FORT McCLELLAN

APPENDIX O

FINAL RELEASE SURVEYS
BUILDING 3192

DECEMBER 1996

ALLIED TECHNOLOGY GROUP

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BUILDING 3192

OFFICE

RADIOLOGICAL SURVEY REPORT

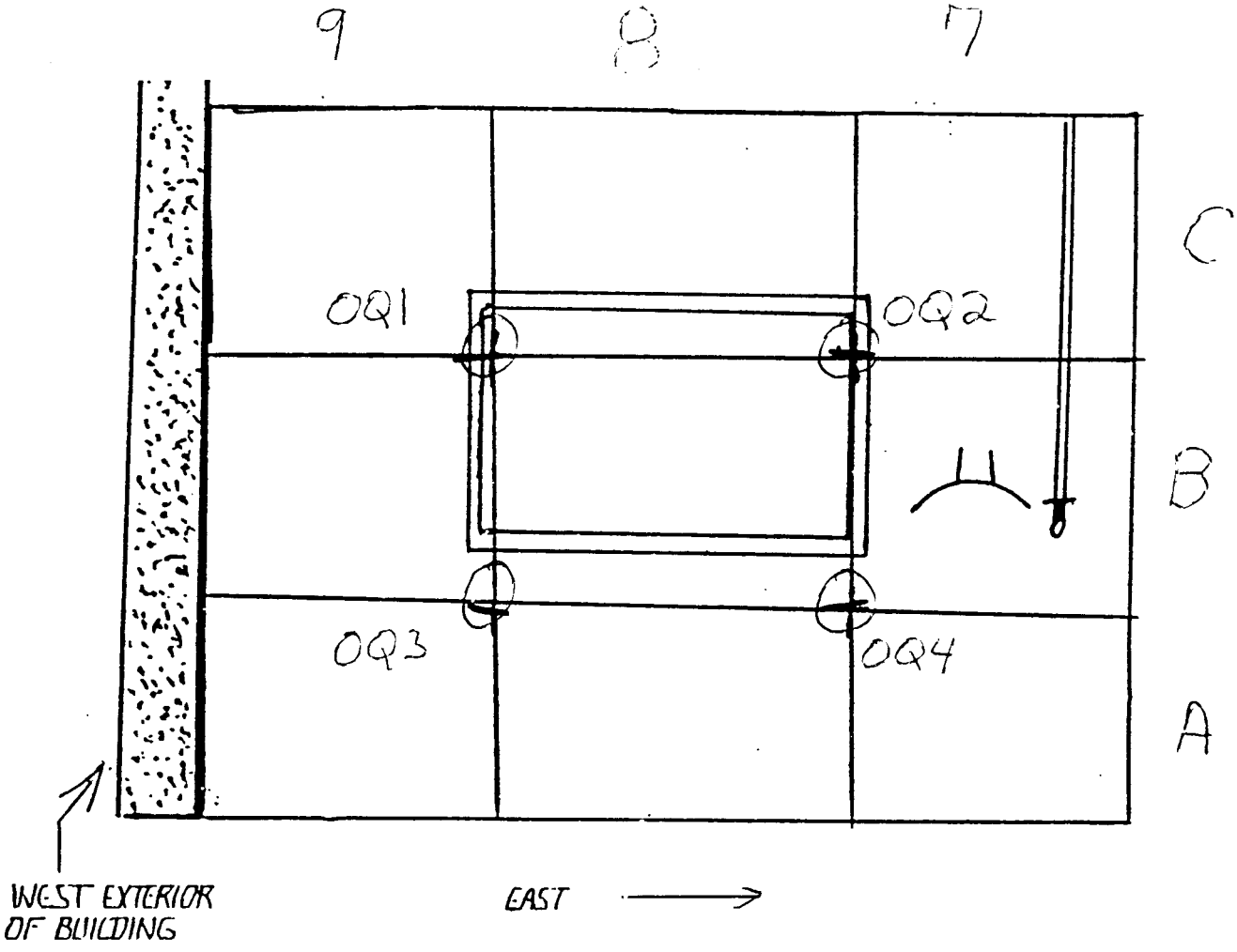
ATGS #: FMR-027

DATE: 7-15 TO 7-16-96	INSTRUMENTATION USED				
TIME: 0600 TO 1500	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: D. CORBETT, C Beeler					
LOCATION: BLDG 3192 OFFICE NORTH WALL QA SURVEY			N	A	
REVIEWED BY: Neal Whaley					
Smear Locations Circled Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: QA SURVEY POINT REFERENCE MAP FOR SOUTH ~~NORTH~~ OFFICE WALL EXTERIOR

EXTERIOR OFFICE WALL

(FACEING NORTH)



RADIOLOGICAL SURVEY REPORT

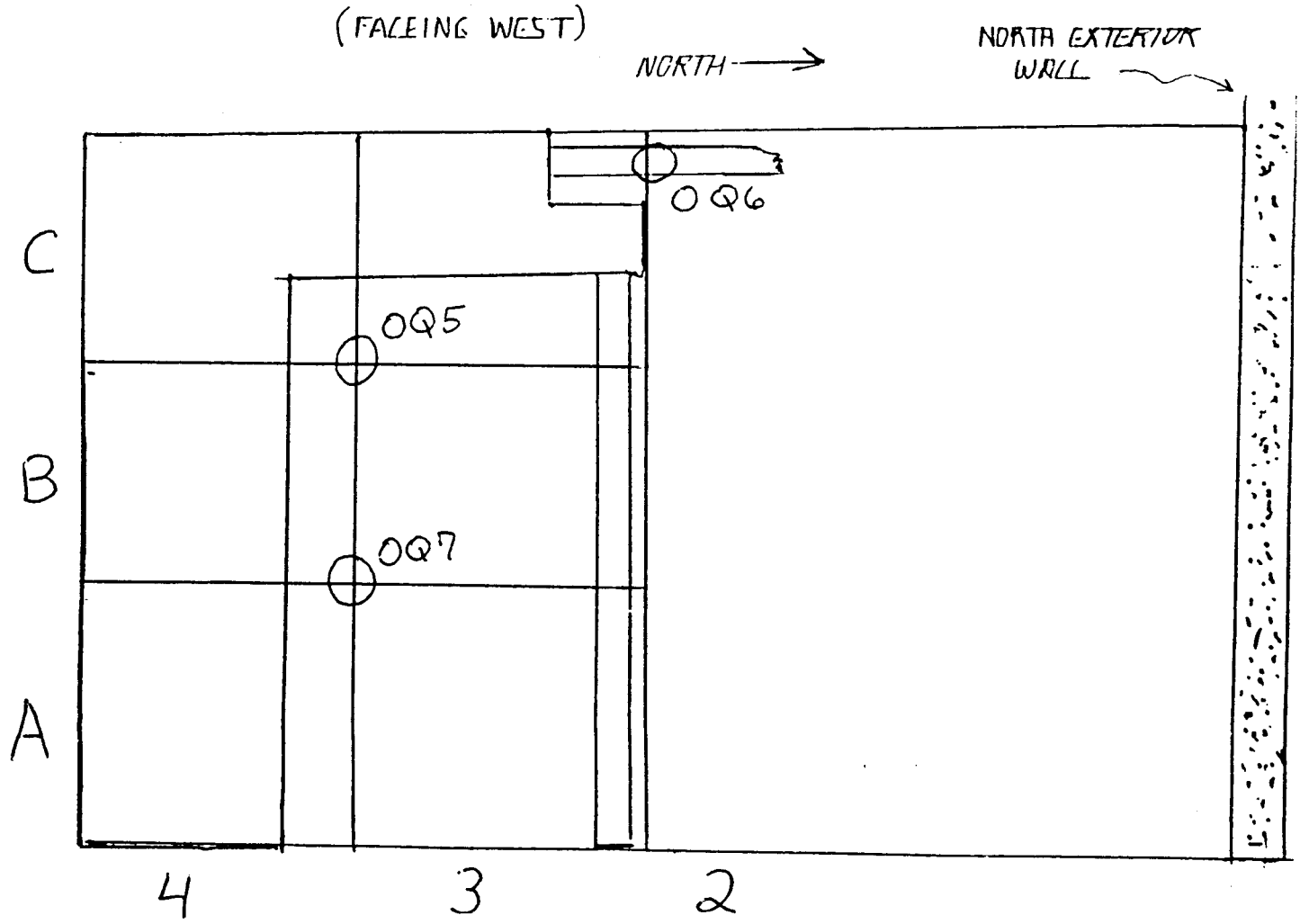
ATGS #: FMR-027

DATE: 7-15 TO 7-16-96	INSTRUMENTATION USED				
TIME: 0600 TO 1500	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: D. CORBETT, C. [illegible]					
LOCATION: BLDG 3192 OFFICE WEST OUTSIDE WALL					
REVIEWED BY: [illegible]			N	A	
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: QA SURVEY POINT REFERENCE MAP FOR ~~WEST~~ EAST OFFICE WALL EXTERIOR

REMAINING OFFICE WALL AND DOOR

(FACING WEST)



RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-027

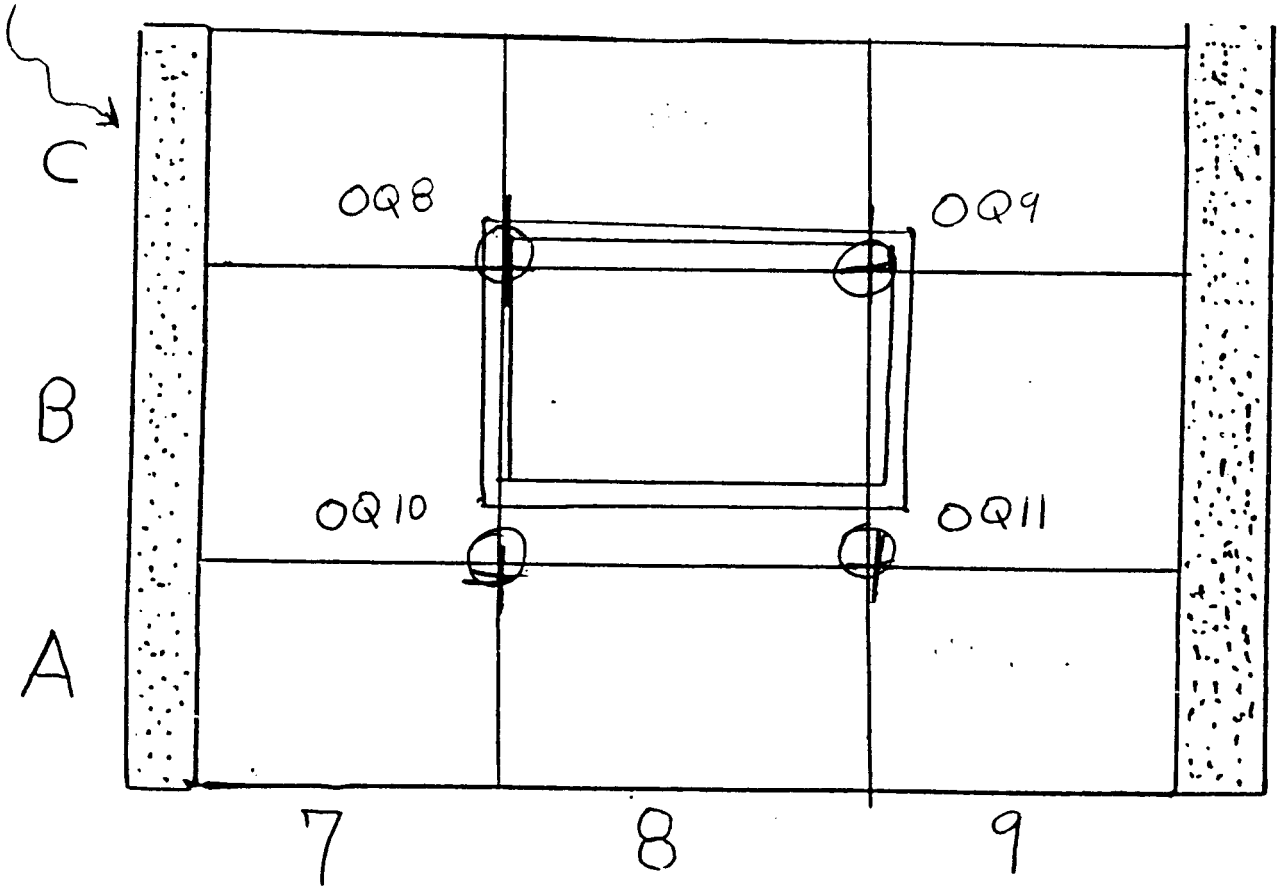
DATE: 7-15 TO 7-16-96	INSTRUMENTATION USED				
TIME: 0600 TO 1500	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: D. CORBETT, C Beches					
LOCATION: BLDG 3192 OFFICE QA SOUTH INTERIOR WALL			N	P	
REVIEWED BY: NSW					
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: QA SURVEY POINT REFERENCE MAP FOR SOUTH INTERIOR WALL

REMAINING INTERIOR OFFICE WALL (FACING SOUTH)

REMAINING EAST OFFICE WALL

WEST →



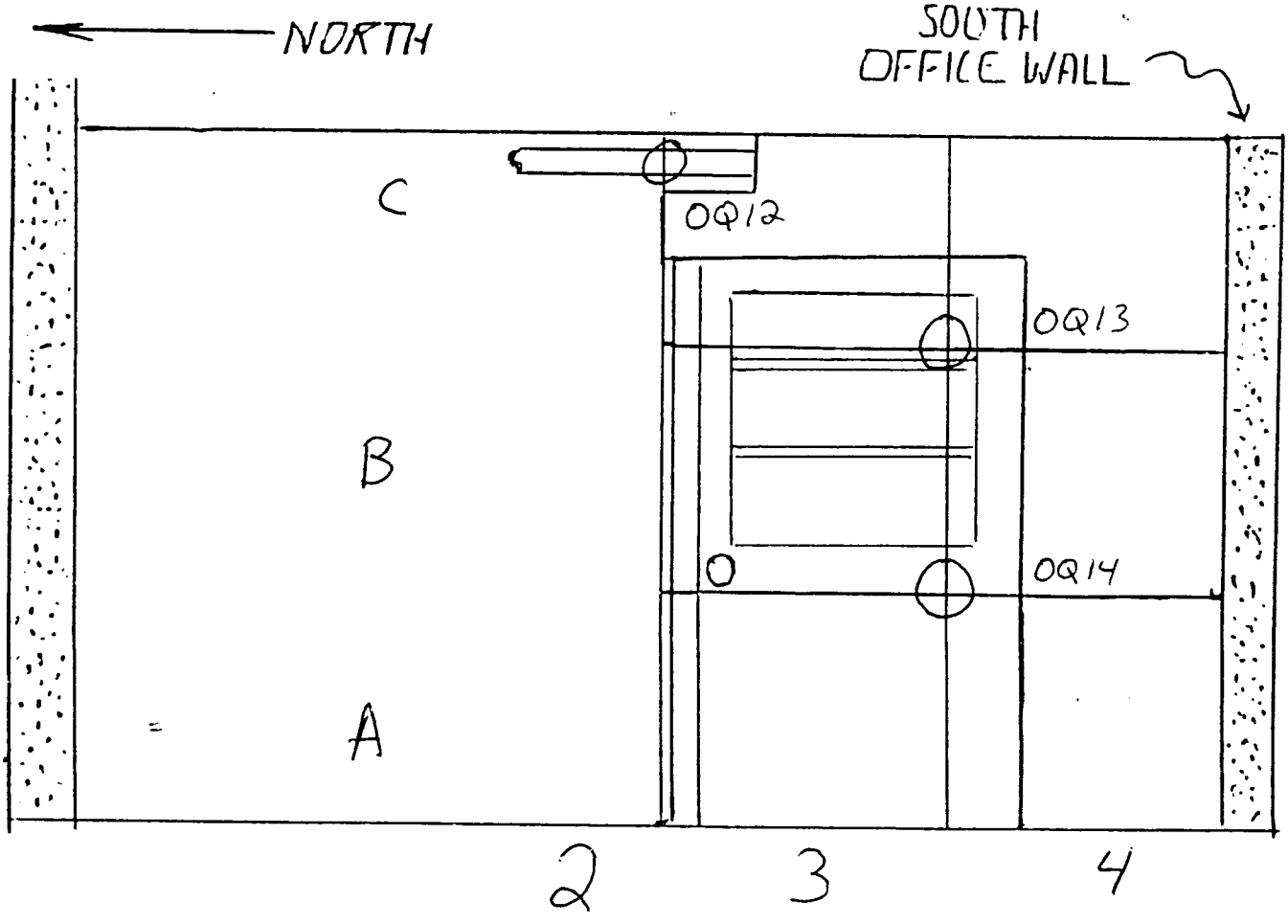
RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-027

DATE: 7-15 TO 7-16-96	INSTRUMENTATION USED				
TIME: 0600 TO 1500	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: D. CORBETT, C. Barkley					
LOCATION: BLDG 3192 OFFICE QA EAST INTERIOR WALL					
REVIEWED BY: NSW					
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: QA SURVEY POINT REFERENCE MAP FOR EAST INTERIOR WALL

REMAINING INTERIOR OFFICE WALL
(FACING EAST)



RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-027

DATE: 7-15 TO 7-16-96	INSTRUMENTATION USED				
TIME: 0600 TO 1500	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: D. CORBETT, C Bacher, J White	12S	114316	—	14 uR/HR	11-9-96
LOCATION: BLDG 3192 OFFICE QA SURVEY	15	118244 / 6082	20	360-400 cpm	11-8-96
REVIEWED BY: NSW					
Smear Locations Circled Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: SURVEY FOR UNCONDITIONAL RELEASE AS PER CRITERIA ESTABLISHED IN NRC GUIDE 1.86 SMEAR RESULTS ATTACHED

SURVEY POINT #	uR/HR	CCPM	SURVEY POINT #	uR/HR	CCPM
OQ1	14	0			
OQ2	14	20			
OQ3	14	0			
OQ4	14	0			
OQ5	14	0			
OQ6	14	0			
OQ7	14	0			
OQ8	14	40			
OQ9	14	40			
OQ10	14	80			
OQ11	14	60			
OQ12	14	40			
OQ13	16	0			
OQ14	12	0			

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-15-96	FMR-027	D. CORBETT

COUNTING SYSTEM DATA

INSTRUMENT I.D. 126 128	DETECTOR I.D. 133007
EFFICIENCIES: α .277 βγ .239	MDA: α 5Dpm βγ 144 DPM
PERFORMED BY: D CORBETT C. Becker	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 01 cpm	βγ BACKGROUND: 55 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
OQ1 QA Bldg 3142	0	50	-.1	-5	<MDA	<MDA
OQ2 OFFICE	0	38	-.1	-17		
OQ 3	0	56	-.1	1		
OQ 4	0	57	-.1	2		
OQ 5	0	51	-.1	-4		
OQ 6	0	48	-.1	-7		
OQ 7	0	42	-.1	-13		
OQ 8	0	53	-.1	-2		
OQ 9	0	51	-.1	-4		
OQ 10	0	39	-.1	-16		
OQ 11	2	41	1.9	-14		
OQ 12	0	48	-.1	-7		
OQ 13	0	51	-.1	-4		
OQ 14	0	54	-.1	-1		
BLANK					<MDA	<MDA

Remarks:

Reviewed By: NSW

Date: 7-16-96

RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-028

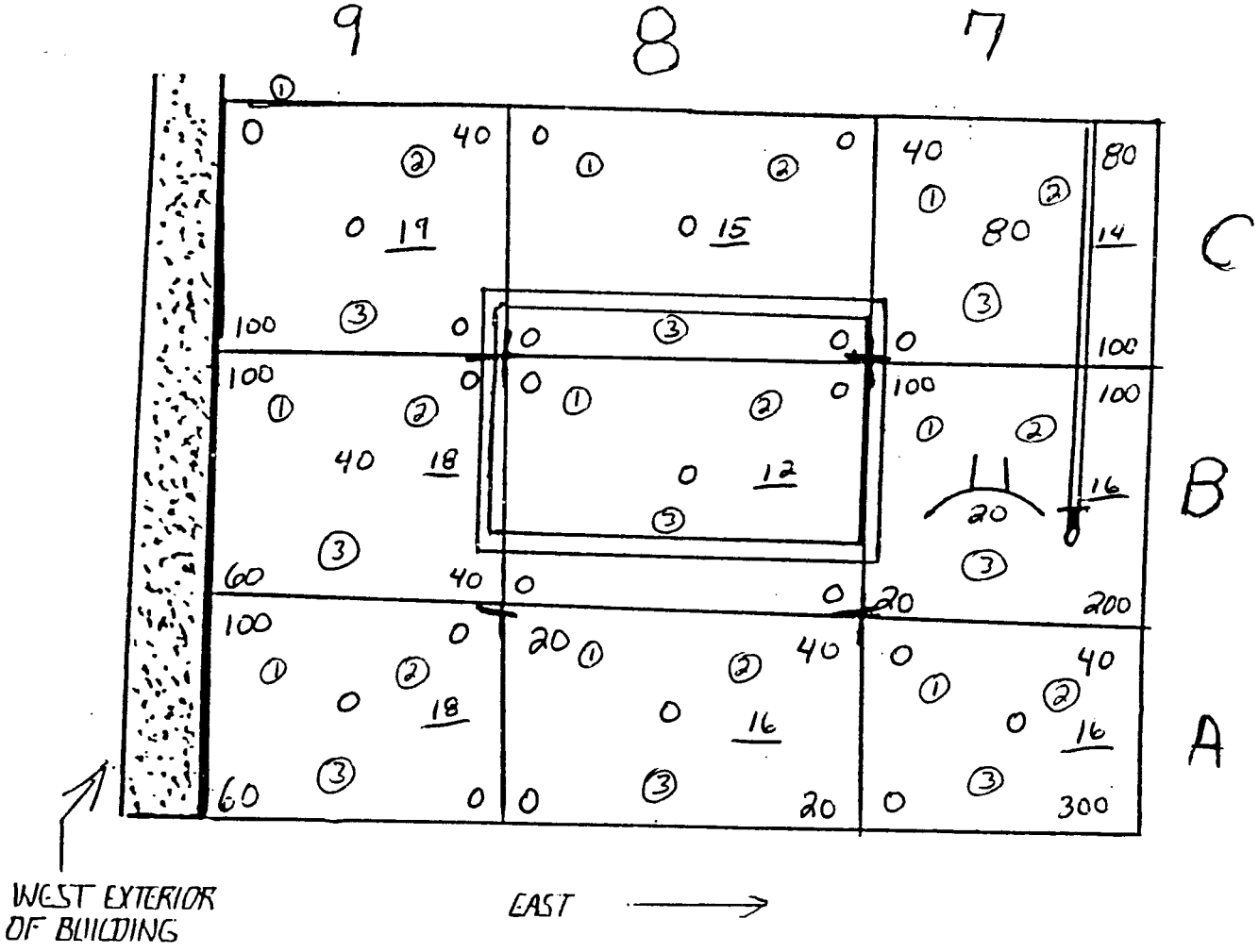
DATE: 7-15 TO 7-16-96	INSTRUMENTATION USED				
TIME: 0600 TO 1500	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: J. WHATLEY, D. CORDETT, C Beeler	125	114316	—	14 uR/HR.	11-9-96
LOCATION: BLDG 3192 OFFICE NORTH WALL	18	118294 / 61082	20	360-400cpm	11-8-96
REVIEWED BY: NSW					
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)			A N		

PURPOSE OF SURVEY: SURVEY FOR UNCONDITIONAL RELEASE AS PER CRITERIA ESTABLISHED IN NRC GUIDE 1.86, SMEAR RESULTS ATTACHED,

UNDERLINED NUMBERS = DOSE RATE IN uR/HR, NUMBERS = COUNTS PER MINUTE ABOVE BACKGROUND

EXTERIOR OFFICE WALL

(FACEING NORTH)



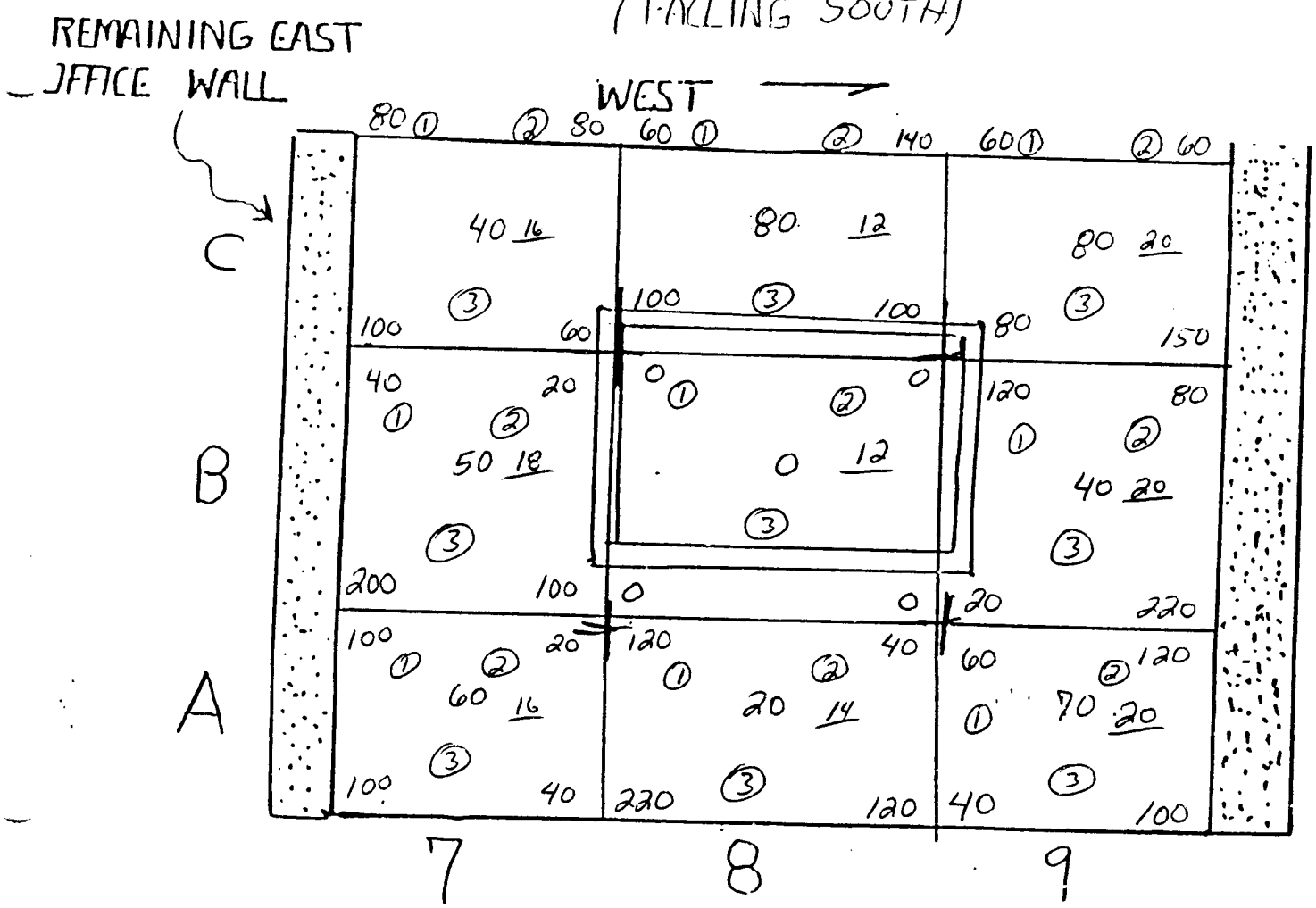
RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-028

DATE: 7-15 TO 7-16-96	INSTRUMENTATION USED				
TIME: 0600 TO 1500	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: J.W. HATLEY, D. CORBETT, C Becker	12S	114316	–	14 UR/HR	11-9-96
LOCATION: BLDG 3142 OFFICE SOUTH INTERIOR WALL	18	118294 / 61082	20	360-400 CPM	11-8-96
REVIEWED BY: NSW					
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: SURVEY FOR UNCONDITIONAL RELEASE AS PER CRITERIA ESTABLISHED IN NRC GUIDE 1.86, SMEAR RESULTS ATTACHED, UNDERLINED NUMBERS = DOSE RATE IN UR/HR, NUMBERS = COUNTS PER MINUTE ABOVE BACKGROUND

REMAINING INTERIOR OFFICE WALL
(FACEING SOUTH)



RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-028

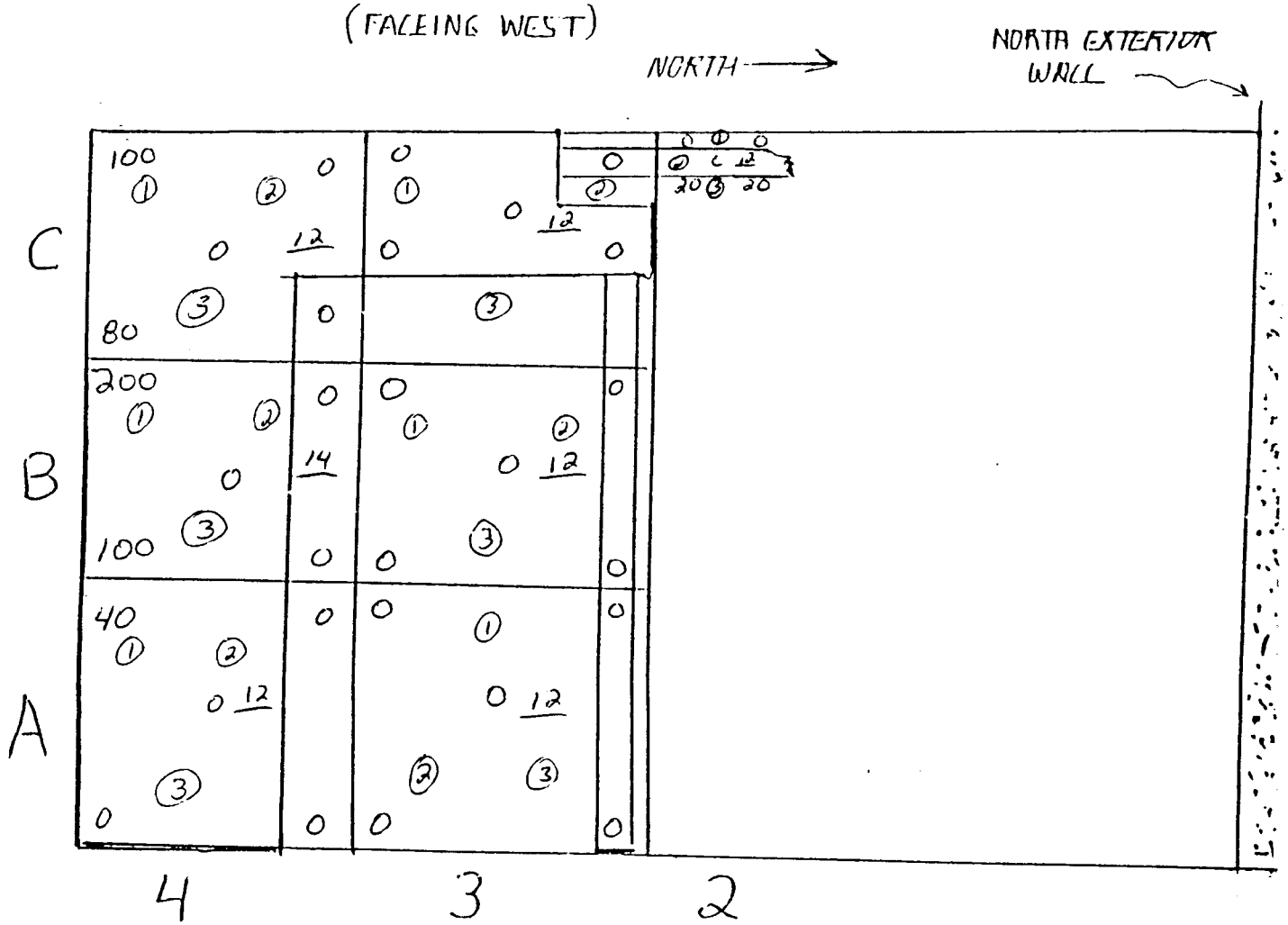
DATE: 7-15 TO 7-16-96	INSTRUMENTATION USED				
TIME: 0600 TO 1500	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: J. WHATLEY, D. CORBETT, C Becker	12S	114316	–	14 uR/HR	11-9-96
LOCATION: BLDG 3142 OFFICE WEST EXTERIOR WALL	18	118294 / 61082	20	360-400 cpm	11-8-96
REVIEWED BY: NSW				A	
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)			N		

PURPOSE OF SURVEY: SURVEY FOR UNCONDITIONAL RELEASE AS PER CRITERIA ESTABLISHED IN NRC GUIDE 1.86, SMEAR RESULTS ATTACHED,

UNDERLINED NUMBERS = DOSE RATE IN uR/HR, NUMBERS = COUNTS PER MINUTE ABOVE BACKGROUND

REMAINING OFFICE WALL AND DOOR

(FACEING WEST)



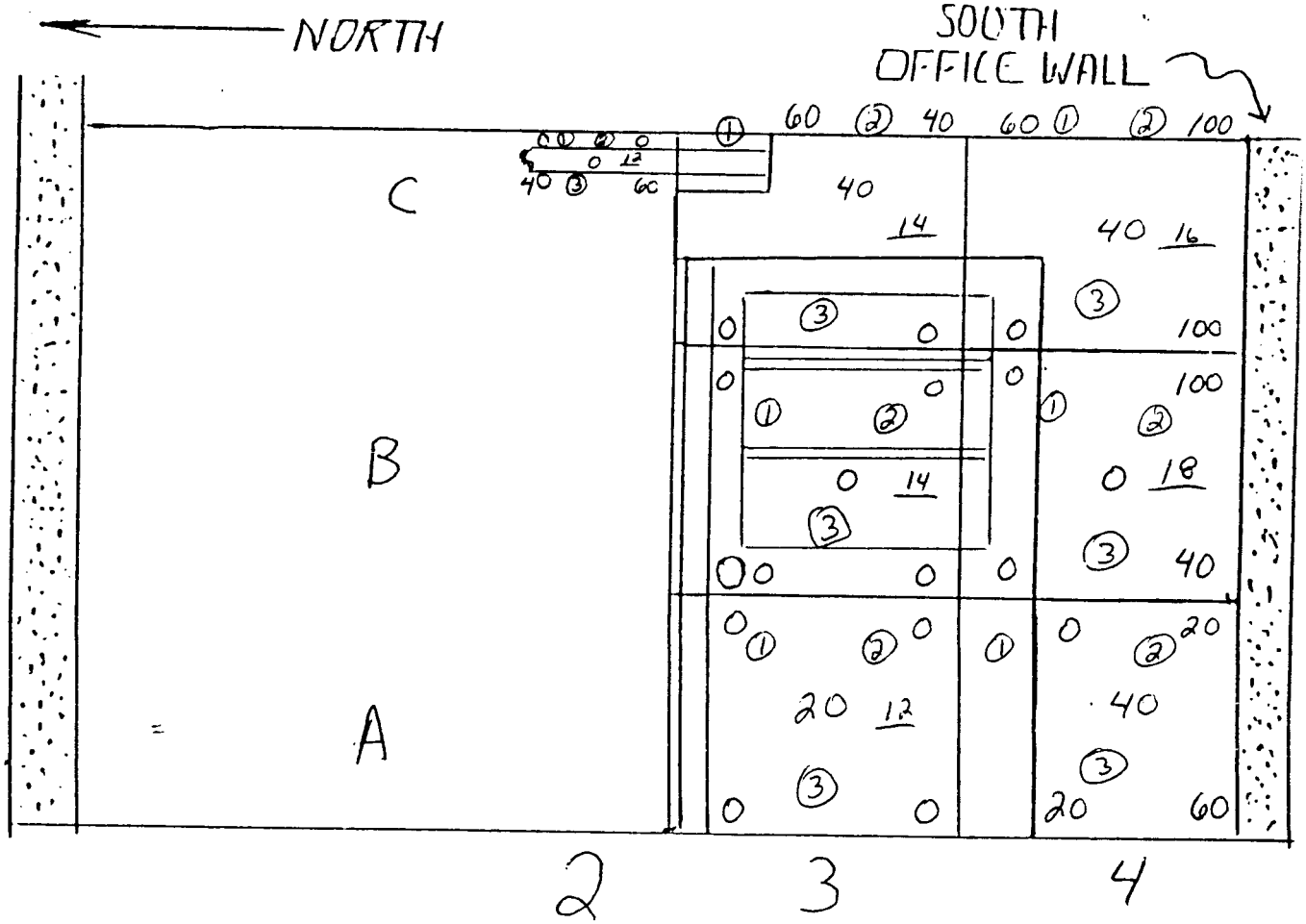
RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-028

DATE: 7-15 TO 7-16-96	INSTRUMENTATION USED				
TIME: 0600 TO 1500	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: J. WHATLEY, D. CORBETT, C Bedros	125	114316	–	14 uR/HR	11-9-96
LOCATION: BLDG 3142 OFFICE EAST INTERIOR WALL	18	118294 / 61082	20	360-400 CPM	11-8-96
REVIEWED BY: NSW				A	
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)			N		

PURPOSE OF SURVEY: SURVEY FOR UNCONDITIONAL RELEASE AS PER CRITERIA ESTABLISHED IN NRC GUIDE 1.86, SMEAR RESULTS ATTACHED, UNDERLINED NUMBERS = DOSE RATE IN uR/HR, NUMBERS = COUNTS PER MINUTE ABOVE BACKGROUND

REMAINING INTERIOR OFFICE WALL
(FACING EAST)



SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-15-96	FMR-028	R. TRANGAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 99045	DETECTOR I.D. 098325
EFFICIENCIES: α .278 % βγ .153 %	MDA: α 121 dpm βγ 2230 dpm
PERFORMED BY: D CORBETT, C BAKER	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 0.5 cpm	βγ BACKGROUND: 54 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
1 E-A4 Bldg 3192	1	66	.5	12	<MDA	<MDA
2 E-A-4-2 OFFICE WALL	~~0~~	58	-.5	4		
3 E-A-4-3 EAST INSIDE	~~0~~	55	-.5	1		
4 E-B-4-1	~~0~~	56	-.5	2		
5 E-B-4-2	~~0~~	43	-.5	-11		
6 E-B-4-3	~~0~~	59	-.5	5		
7 E-C-4-1	~~0~~	45	-.5	-9		
8 E-C-4-2	~~0~~	55	-.5	1		
9 E-C-4-3	~~0~~	62	-.5	8		
1 E-C-2-1	~~0~~	66	-.5	12		
2 E-C-2-2	~~0~~	58	-.5	4		
3 E-C-2-3	~~0~~	51	-.5	-3		
1 E-C-3-1	1	51	.5	-3		
2 E-C-3-2	2	63	1.5	9		
3 E C-3-3	~~0~~	44	-.5	-10		
4 E-B-3-1	~~0~~	59	-.5	5		
5 E-B-3-2	~~0~~	61	-.5	7		
6 E-B-3-3	~~0~~	64	-.5	10		
7 E A-3-1	2	47	1.5	-7		
8 E A-3-2 ↓	1	56			<MDA	<MDA

Remarks:

Reviewed By: NSW

Date: 7-16-96

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-15-96	FMR -028	R TRANAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 99045	DETECTOR I.D.
EFFICIENCIES: α .278 βγ .153	MDA: α 12 Dpm βγ 223 Dpm
PERFORMED BY: D Corbett, C Bailey	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 0.5 cpm	βγ BACKGROUND: 54 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
9E-A-3-3 EastWALL	0	65	-.5	11	<MDA	<MDA
S-9A-1 Bldg3192	0	75	-.5	21		
S 9-A-2 OFFICE WAL	0	71	-.5	17		
S 9A-3 South WALL	0	60	-.5	6		
S 9-B-1	0	63	-.5	9		
S 9-B-2	1	65	.5	11		
S 9-B-3	2	45	1.5	-9		
S 9-C-1	0	63	-.5	9		
S 9-C-2	0	64	-.5	10		
S 9-C-3	0	56	-.5	2		
S 8-A-1	0	53	-.5	-1		
S 8-A-2	1	53	.5	-1		
S 8-A-3	0	60	-.5	6		
S 8-B-1	0	62	-.5	8		
S 8-B-2	1	62	.5	8		
S 8-B-3	0	57	-.5	3		
S 8-C-1	0	48	-.5	-6		
S 8-C-2	0	62	-.5	8		
S 8-C-3	0	54	-.5	0	↓	↓
S 7-A-1 ↓	0	48	-.5	-6	<MDA	<MDA

Remarks:

Reviewed By: NSW

Date: 7-16-96

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-16-96	Fmn-028	R. TRAMEAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 99045	DETECTOR I.D. 098325
EFFICIENCIES: α .282 βγ .153	MDA: α 7 Dpm βγ 224 Dpm
PERFORMED BY: D Corbett, C Bradley	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 0.2 cpm	βγ BACKGROUND: 57 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
S-7-A-2 South wall	~~0~~	57	-.2	~~0~~	<MDA	<MDA
S-7-A-3 Bldg 3192	~~0~~	52	-.2	-5		
S-7-B-1	~~0~~	67	-.2	10		
S-7-B-2	~~0~~	60	-.2	3		
S-7-B-3	1	51	.8	-6		
S-7-C-1	~~0~~	66	-.2	9		
S-7-C-2	~~0~~	75	-.2	18		
S-7-C-3	~~0~~	50	-.2	-7		
BLANK	1	65	.8	8		
N-8-A-1 North wall	~~0~~	50	-.2	-7		
N-8-B-2 Office %	2	54	1.8	-3		
N-8-A-3	~~0~~	57	-.2	~~0~~		
N-8 B-1	1	50	.8	-7		
N-8 B-2	1	49	.8	-8		
N-8 B-3	~~0~~	41	-.2	-16		
N-8 C-1	~~0~~	53	-.2	-4		
N-8 C-2	~~0~~	60	-.2	3		
N-8 C-3	~~0~~	66	-.2	9		
N-7-A-1	~~0~~	62	-.2	5		
N-7-A-2	~~0~~	55	-.2	-2	<MDA	<MDA

Remarks:

Reviewed By: NSW

Date: 7-16-96

SMEAR COUNTING ANALYSIS REPORT

DATE: 7-16-96	ATGS#: FMR-028	ANALYSIS PERFORMED BY: R TRAMBAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 99045	DETECTOR I.D. 098325
EFFICIENCIES: α .282 $\beta\gamma$ .153	MDA: α 7 DPM $\beta\gamma$ 229 DPM
PERFORMED BY: D CORBETT, C BECKLEY	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ µCi
α BACKGROUND: 0.2 cpm	$\beta\gamma$ BACKGROUND: 57 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS $\beta\gamma$	NET COUNTS α	NET COUNTS $\beta\gamma$	ACTIVITY α	ACTIVITY $\beta\gamma$
N-7-A-3 NORTHWALL	1	63	.8	6	<MDA	<MDA
N-7-B-1 BLdg 3192	0	52	-.2	-5		
N-7-B-2 OFFICE 0/5	2	62	1.8	5		
N-7-B-3	0	59	-.2	2		
N-7-C-1	0	51	-.2	-6		
N-7-C-2	0	52	-.2	-5		
N-7-C-3	0	47	-.2	-10		
N-9-A-1	1	52	.8	-5		
N-9-A-2	0	51	-.2	-6		
N-9-A-3	0	53	-.2	-4		
N-9-B-1	0	60	-.2	3		
N-9-B-2	0	61	-.2	4		
N-9-B-3	0	81	-.2	24		
N-9-C-1	0	65	-.2	8		
N-9-C-2	0	71	-.2	14		
N-9-C-3	0	63	-.2	6		
W-3-A-1 WEST WALL	1	53	.8	5		
W-3-A-2 BLdg 3192	0	53	-.2	-4		
W-3-A-3 OFFICE	0	52	-.2	-5		
W-3-B-1 0/5	0	57	-.2	0	<MDA	<MDA

Remarks:

Reviewed By: NSW

Date: 7-16-96

SMEAR COUNTING ANALYSIS REPORT

DATE: 7-16-96	ATGS#: FMR-028	ANALYSIS PERFORMED BY: R TRANAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 99045	DETECTOR I.D. 098325
EFFICIENCIES: α .282 βγ .157	MDA: α 7 Dpm βγ 229 Dpm
PERFORMED BY: D Corbett	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 0.2 cpm	βγ BACKGROUND: 57 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
W-3-B-2 WEST WALL	~~0~~	54	-.2	-3	<MDA	<MDA
W-3-B-3 Bldg 3192	~~0~~	51	-.2	-6		
W-3-C-1 OFFICE 0/S	~~0~~	63	-.2	6		
W-3-C-2	1	61	.8	4		
W-3-C-3	~~0~~	52	-.2	-5		
W-4-A-1	~~0~~	59	-.2	2		
W-4-A-2	~~0~~	55	-.2	-2		
W-4-A-3	~~0~~	52	-.2	-5		
W-4-B-1	~~0~~	68	-.2	11		
W-4-B-2	~~0~~	62	-.2	5		
W-4-B-3	~~0~~	63	-.2	6		
W-4-C-1	~~0~~	43	-.2	-14		
W-4-C-2	~~0~~	58	-.2	1		
W-4-C-3	~~0~~	62	-.2	5		
W-2-C-1	1	47	.8	-10		
W-2-C-2	~~0~~	74	-.2	17		
W-2-C-3	1	48	.8	-9		
BLANK	~~0~~	65	-.2	8	<MDA	<MDA

Remarks:

Reviewed By: NSW

Date: 7-16-96

BUILDING 3192

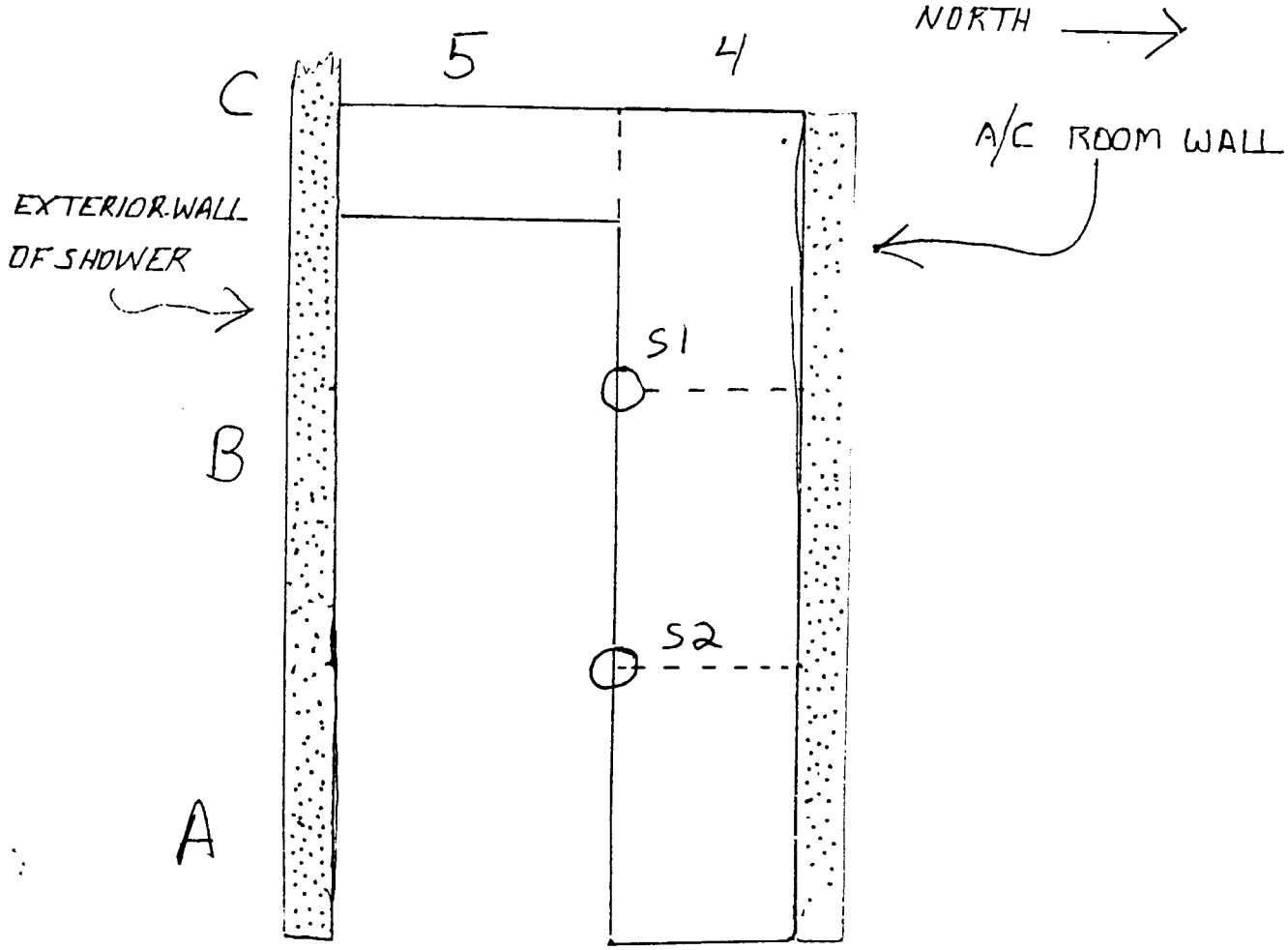
SHOWER

RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-044

DATE: 7-22-96	INSTRUMENTATION USED				
TIME: 1200-1300	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: D. CORBETT, RG R. GRAY					
LOCATION: BLDG 3192 FOYER QA SHOWER ROOM			N	A	
REVIEWED BY: MBW					
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: QA SURVEY POINT REFERENCE MAP FOR SHOWER ROOM



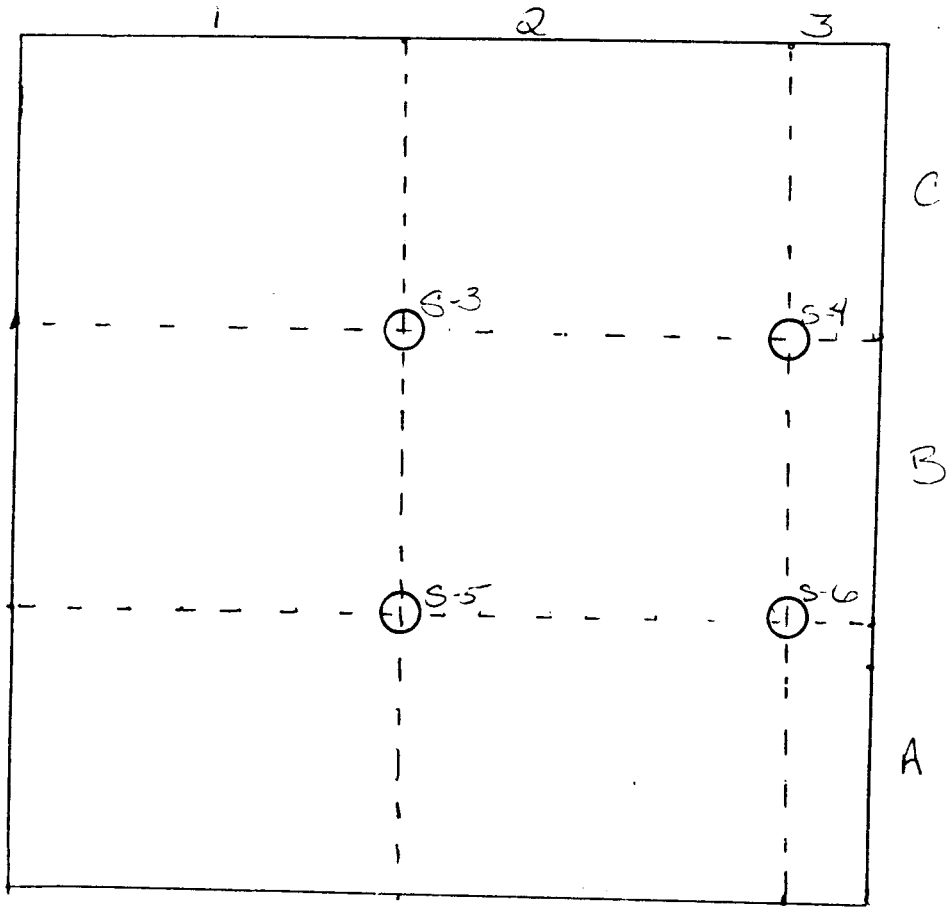
VIEW OF WEST WALL
SHOWER ROOM

RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-044

DATE: 07-22-96	INSTRUMENTATION USED				
TIME: 1200 - TO - 1300	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: By D. Corbett & R. Gray					
LOCATION: BLDG - 3192 Foyee QA Shower Room			N/A		
REVIEWED BY: N/W					
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: QA Survey Point Reference Map for Shower Room.



INTERIOR SHOWER ROOM WALL (SOUTH VIEW)

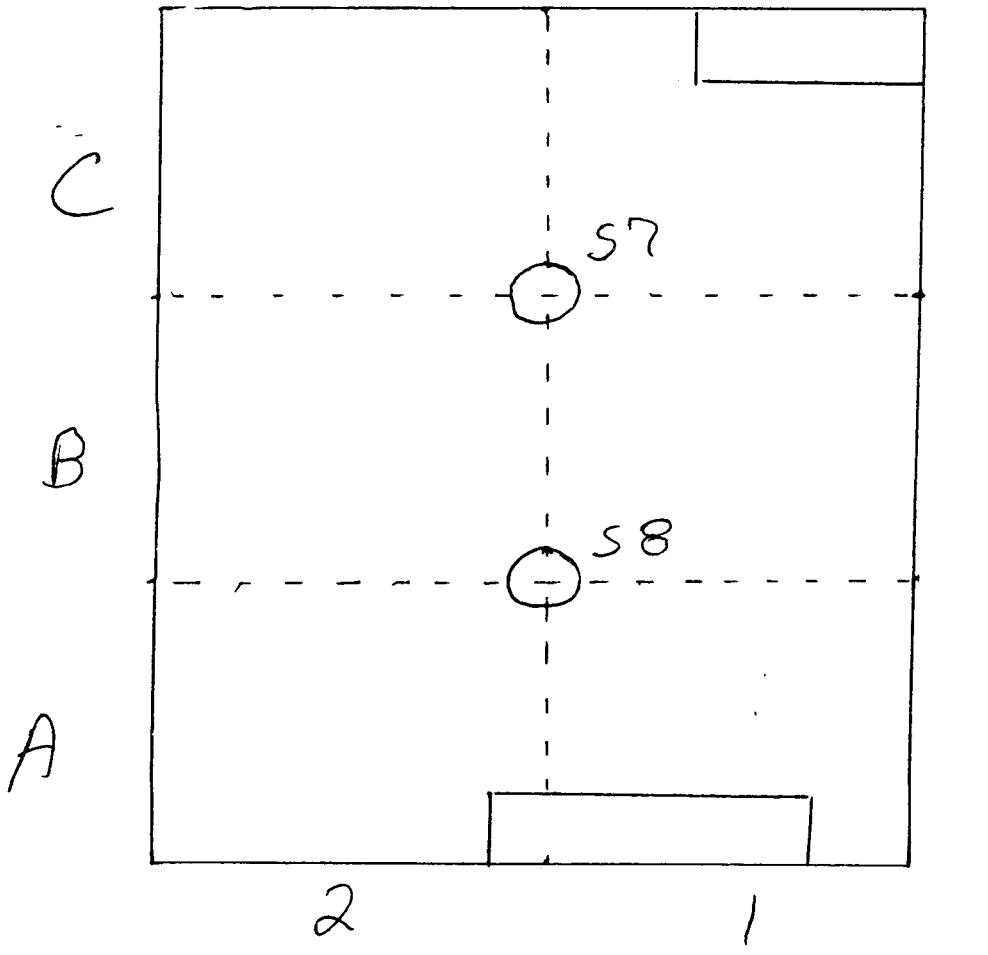
RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-044

DATE: 7-22-96	INSTRUMENTATION USED				
TIME: 1200-1300	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: D. CORBETT R. GRAY (RG)					
LOCATION: BLDG 3192 FOYER QA SHOWER ROOM				A	
REVIEWED BY: NSW				N	
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: QA SURVEY POINT REFERENCE MAP FOR SHOWER ROOM

NORTH SHOWER WALL (INTERIOR)



RADIOLOGICAL SURVEY REPORT

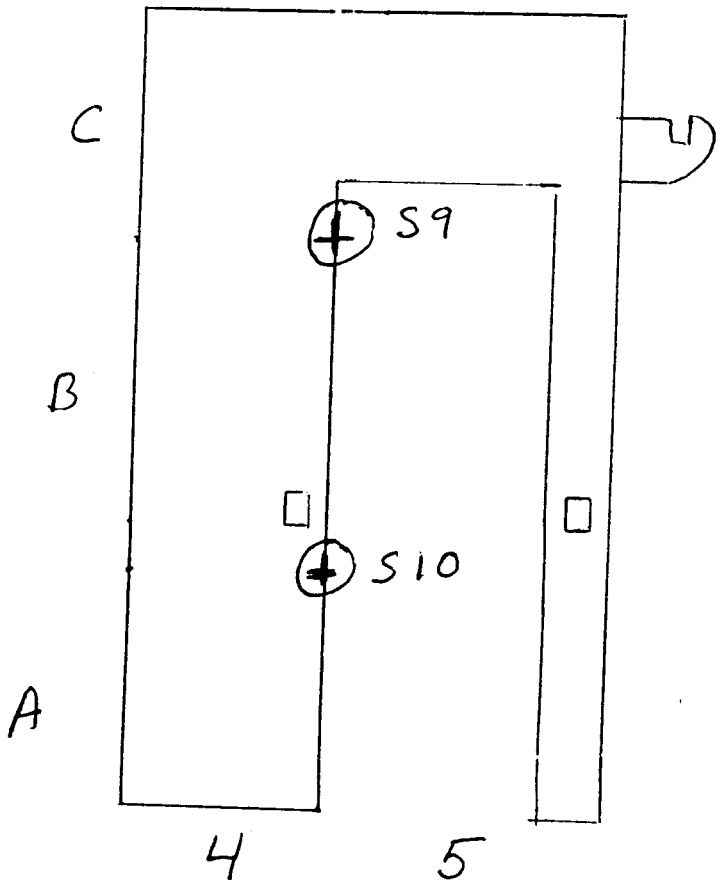
ATGS #: FMR-044

DATE: 7-22-96	INSTRUMENTATION USED				
TIME: 1200 TO 1306	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: O. CORBETT R. GRAY RG					
LOCATION: BLDG 3192 FOYER QA SHOWER ROOM					
REVIEWED BY: N&W					
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: QA SURVEY POINT REFERENCE MAP FOR SHOWER ROOM

NORTH

SHOWER ROOM ENTRANCE



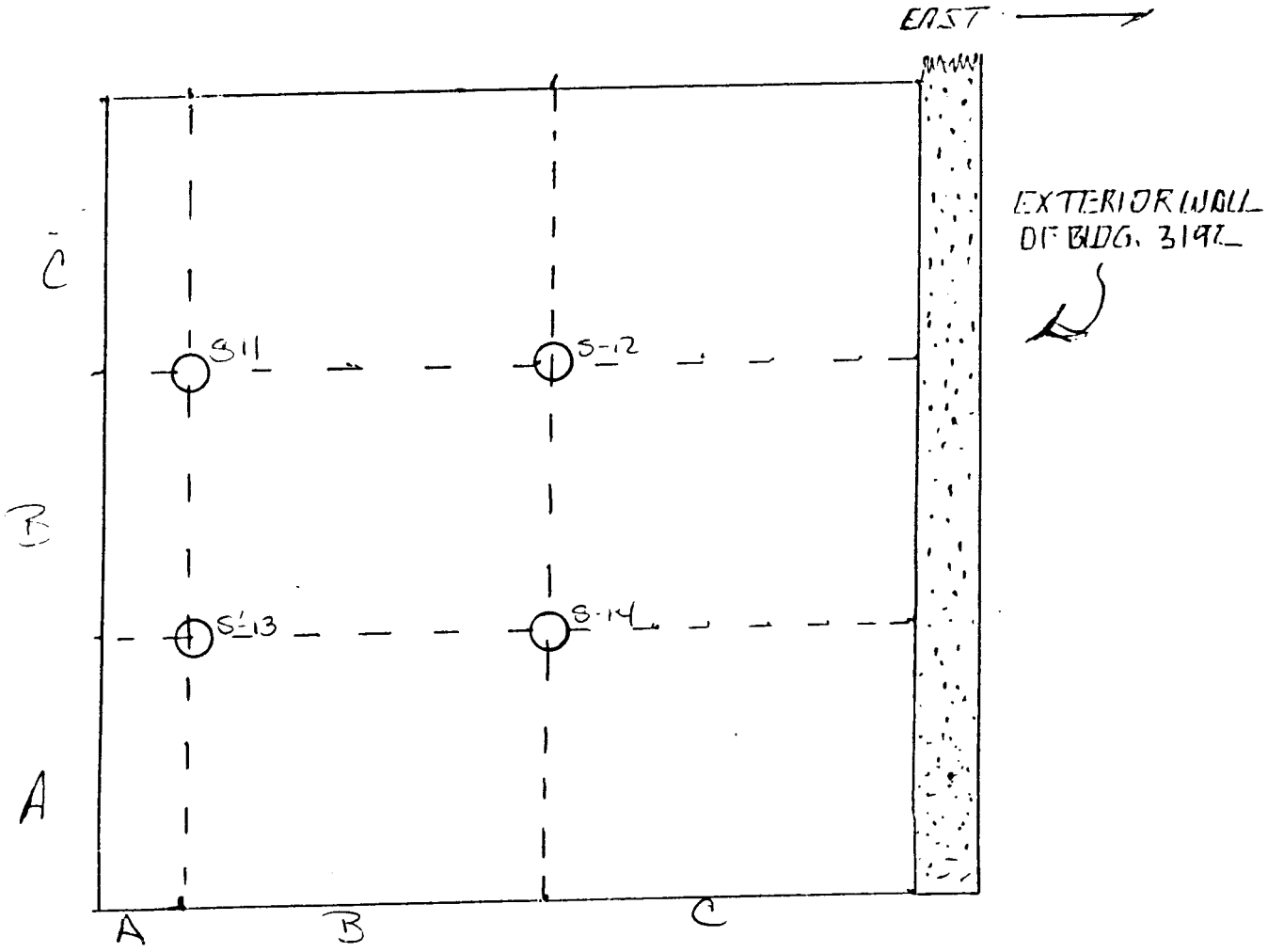
VIEW FACING EAST

RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-044

DATE: 7-22-96	INSTRUMENTATION USED				
TIME: 1200 To- 1322	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: D. Corbett & B. Gray					
LOCATION: BLDG 3192 FOYER QA SHOWER RM.			NA		
REVIEWED BY: NSW					
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: QA Survey Point Reference Map for Shower RM.



EXTERIOR SHOWER ROOM WALL
(VIEWED FACING NORTH)

RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-044

DATE: 7-22-96	INSTRUMENTATION USED				
TIME: 1200 TO 1300	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: D. CORBETT R.G. B. GRAY	12S	114316	—	12-18 uR/hr	11-9-96
LOCATION: BLDG 3192 FOYER QA SHOWER Room	18	120052 / 127608	20	340-400 cpm	1-16-97
REVIEWED BY: NSW			A		
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)		N			

PURPOSE OF SURVEY: SURVEY FOR UNCONDITIONAL RELEASE AS PER CRITERIA ESTABLISHED IN NRC GUIDE 1.86

SMEAR RESULTS ATTACHED

SURVEY POINT #	uR/HR	CCPM
S1	16	0
S2	16	0
S3	18	0
S4	18	0
S5	18	0
S6	18	0
S7	18	0
S8	18	0
S9	14	0
S10	14	20
S11	14	100
S12	13	20
S13	12	200
S14	12	20
	N	A

SURVEY POINT #	uR/HR	CCPM
N	A	

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-22-96	FMR-044	R. TRANGAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 126128	DETECTOR I.D. 133007
EFFICIENCIES: α 28.6 % $\beta\gamma$ .244	MDA: α 7 DPM $\beta\gamma$ 139 DPM
PERFORMED BY: DCORBETT	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ µCi
α BACKGROUND: 0.2 cpm	$\beta\gamma$ BACKGROUND: 53 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS $\beta\gamma$	NET COUNTS α	NET COUNTS $\beta\gamma$	ACTIVITY α	ACTIVITY $\beta\gamma$
S-1 QA Survey	~~0~~	61	-.2	8	<MDA	<MDA
S-2 Shower Room	~~0~~	51	-.2	-2		
S-3 Bldg 3192	~~0~~	52	-.2	-1		
S-4	~~0~~	63	-.2	10		
S-5	~~0~~	50	-.2	-3		
S-6	~~0~~	54	-.2	1		
S-7	~~0~~	56	-.2	3		
S-8	~~0~~	57	-.2	4		
S-9	~~0~~	49	-.2	-4		
S-10	1	55	.8	2		
S-11	~~0~~	67	-.2	14		
S-12	~~0~~	48	-.2	-4		
S-13	~~0~~	76	-.2	23		
S-14	~~0~~	50	-.2	-3		
BLANK	~~0~~	59	-.2	6	<MDA	<MDA

Remarks:

Reviewed By: NW

Date: 7-22-96

RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-039

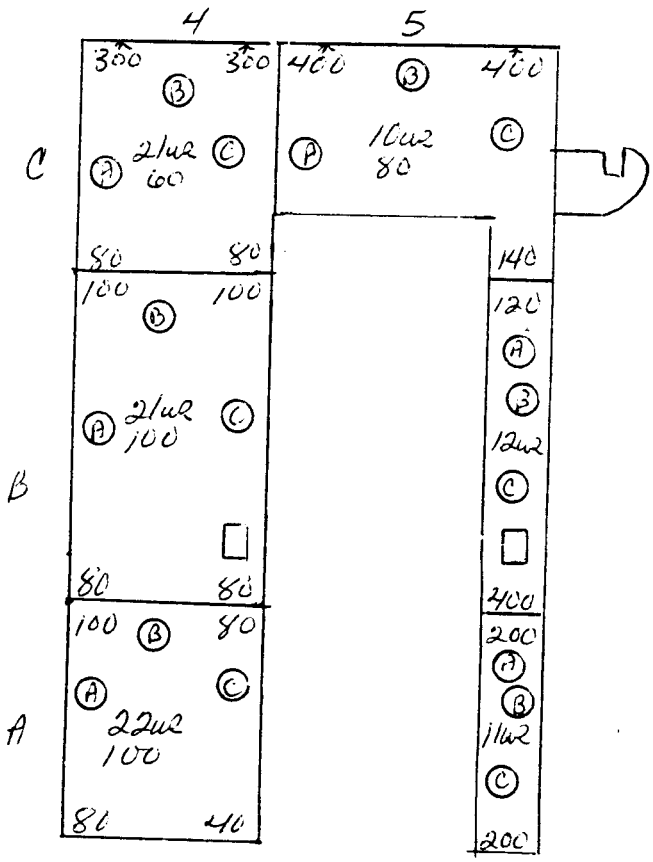
DATE: 7-24-96	INSTRUMENTATION USED				
TIME: 1440	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: Conora Humphries/D. Molstad	19	111280	N/A	10-20	9-25-96
LOCATION: BLDG 3192 - SHOWER ROOM - WALL EXTERIOR WEST	18	118294	20	300-500	11-8-96
REVIEWED BY: NSW	18	118295	20	300-500	11-8-96
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: Unconditional Release of BLDG 3192 in accordance with the standards of NRC Regulatory Guide 1.86

ALL SMEARS TAKEN = 100 cm² - READINGS with Arrows Taken on Top of WALL

NORTH

SHOWER ROOM ENTRANCE (Exterior)



VIEW FACING EAST

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-22-96	FMR-039	Debora R. Goldston

COUNTING SYSTEM DATA

INSTRUMENT I.D. 99045	DETECTOR I.D. 098325
EFFICIENCIES: α .264% βγ .158%	MDA: α 11 dpm βγ 228 dpm
PERFORMED BY: Conna Humphres	
SAMPLE COUNT TIME: 1 MIN.	ACTIVITY REPORT IN: ☑ dpm ☐ μCi
α BACKGROUND: 0.4 cpm	βγ BACKGROUND: 60 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
BLDG 3192- A-4-A	0	64	-0.4	4	<MDA	<MDA
O/S WEST WALL A-4-B	0	64	-0.4	4		
SHOWER Room A-4-C	0	77	-0.4	17		
B-4-A	0	69	-0.4	9		
B-4-B	1	52	.6	-8		
B-4-C	0	55	-0.4	-5		
C-4-A	0	59	-0.4	-1		
C-4-B	0	49	-0.4	-11		
C-4-C	~~1~~ 2	65	1.6	5		
C-5-A	0	57	-0.4	-3		
C-5-B	0	52	-0.4	-8		
C-5-C	0	65	-0.4	5		
B-5-A	1	53	.6	-7		
B-5-B	0	63	-0.4	3		
B-5-C	0	64	-0.4	4		
A-5-A	1	56	.6	-6		
A-5-B	0	58	-0.4	-2		
A-5-C	0	43	-0.4	-17		
BLANK	2	78	1.6	18		

Remarks:

Reviewed By: NSW

Date: 7-22-96

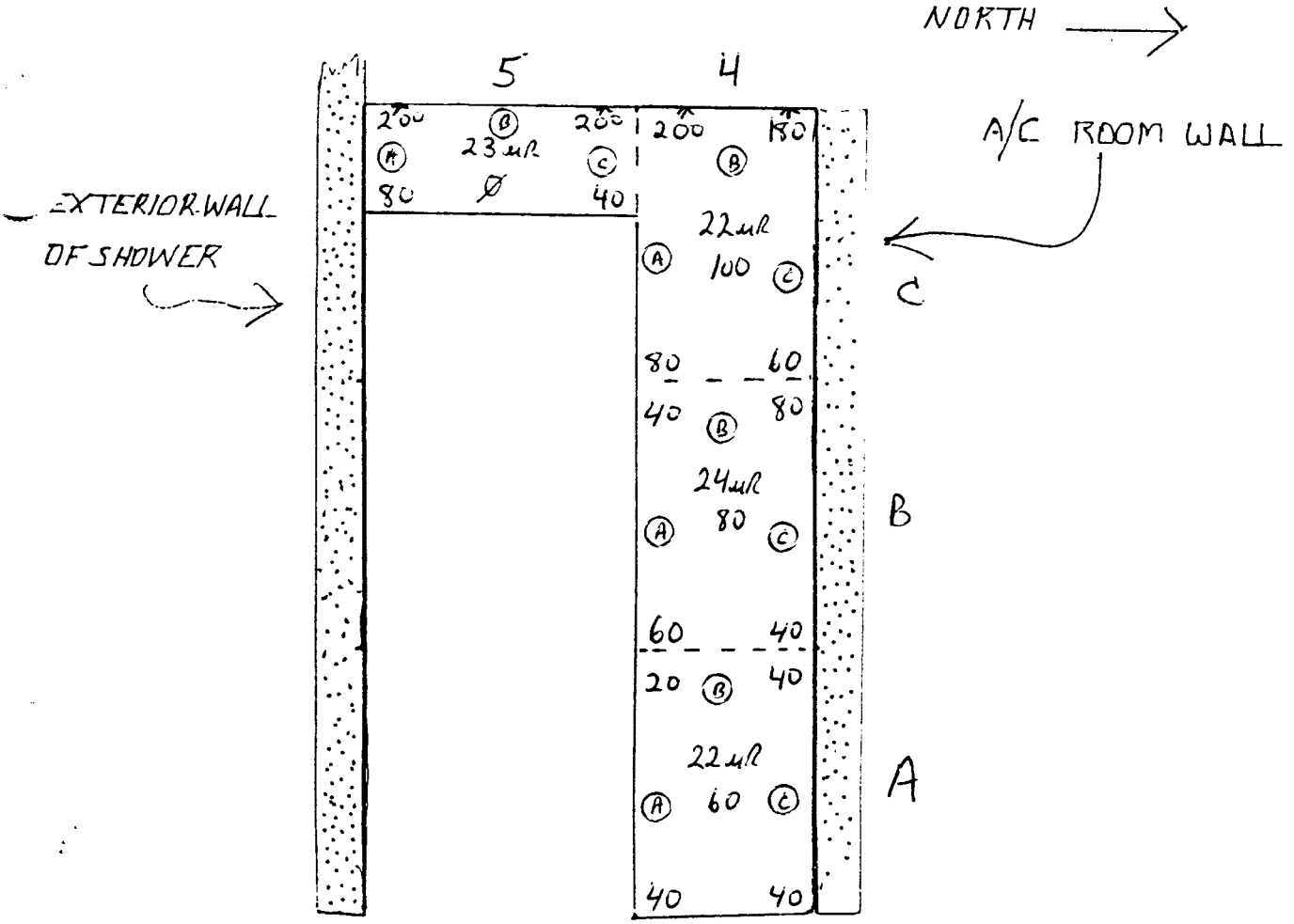
RADIOLOGICAL SURVEY REPORT

TGS #: FMR-043

DATE: 7-25-96	INSTRUMENTATION USED				
TIME: 0800	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: D. Goldston / C. Humphries	18	118 294	20	300-500	11-8-96
LOCATION: BLDG 3192 - ~~A/C~~ SHOWER Room I/S WEST WALL	18	118 295	20	300-500	11-8-96
REVIEWED BY: [signature]	19	111280	NA	22	9-25-96
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: Unconditional Release of BLDG 3192 in accordance with the standards of NRC Regulatory Guide 1.86

ALL SMEARS ≈ 100 cm² — READINGS WITH ARROWS TAKEN ON TOP OF WALL



VIEW OF WEST WALL

SHOWER ROOM - INTERIOR

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-22-96	FMR-043	Debora Goldston

COUNTING SYSTEM DATA

INSTRUMENT I.D. 99045	DETECTOR I.D. 098325
EFFICIENCIES: α .264 βγ .158	MDA: α 11 dpm βγ 228 dpm
PERFORMED BY: Connie Humphries	
SAMPLE COUNT TIME: 1 MIN.	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 0.4 cpm	βγ BACKGROUND: 60 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
BLDG 3192 A-4-A	1	60	.6	0	<MDA	<MDA
I/S SHOWER ROOM A-4-B	1	60	.6	0		
WEST WALL A-4-C	1	62	.6	2		
B-4-A	0	69	-0.4	9		
B-4-B	1	68	.6	8		
B-4-C	0	56	-0.4	-4		
C-4-A	3	56	2.6	-4		
C-4-B	0	55	-0.4	-5		
C-4-C	2	64	1.6	4		
C-5-A	1	64	.6	4		
C-5-B	0	69	-0.4	9		
C-5-C	0	57	-0.4	-3		
BLANK	0	61	-0.4	1		

Remarks:

Reviewed By: NSW

Date: 7-22-96

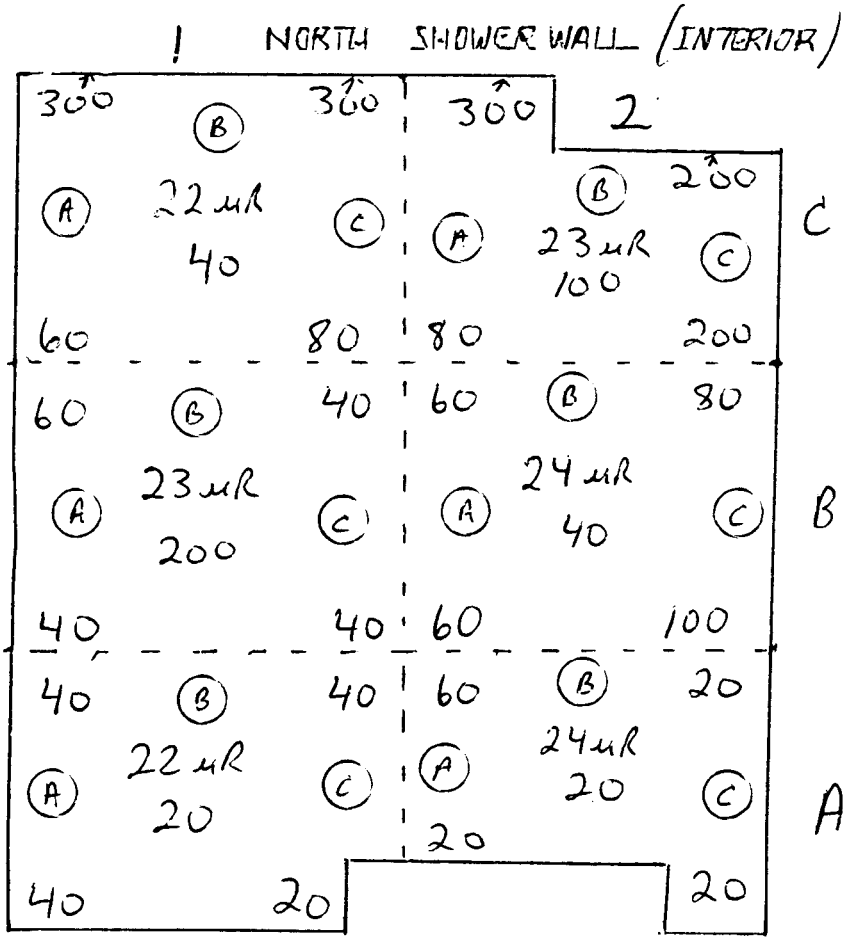
RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-041

DATE: 7-24-96	INSTRUMENTATION USED				
TIME: 1430	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: Connie Humphries	19	111280	NA	12	9-25-96
LOCATION: BLDG 3192 - NORTH WALL FOYER I/S SHOWER ROOM	18	118294	20	300-500	11-8-96
REVIEWED BY: NSW	18	118295	20	300-500	11-8-96
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: Unconditional Release of BLDG 3192 in accordance with the standards of NRC Regulatory Guide 1.86

READINGS with ARROWS TAKEN ON TOP OF WALL.



ALL SMEARS TAKEN ≅ 100 cm2

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-22-96	FMR-041	Debora K. Goldston

COUNTING SYSTEM DATA

INSTRUMENT I.D. 99045	DETECTOR I.D. 098325
EFFICIENCIES: α .264% βγ .158%	MDA: α 11 dpm βγ 228 dpm
PERFORMED BY: Conna Humphres	
SAMPLE COUNT TIME: 1 MIN.	ACTIVITY REPORT IN: ☑ dpm ☐ μCi
α BACKGROUND: 0.4 cpm	βγ BACKGROUND: 60 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
BLDG 3192 A-1-A	0	55	-0.4	-5	< MDA	< MDA
I/S SHOWER RM A-1-B	0	76	-0.4	16		
NORTH WALL A-1-C	0	59	-0.4	-1		
A-2-A	0	65	-0.4	5		
A-2-B	0	65	-0.4	5		
A-2-C	0	60	-0.4	0		
B-1-A	1	73	.6	13		
B-1-B	0	58	-0.4	-2		
B-1-C	0	73	-0.4	13		
B-2-A	0	59	-0.4	-1		
B-2-B	0	61	-0.4	1		
B-2-C	0	73	-0.4	13		
C-1-A	1	58	.6	-2		
C-1-B	1	53	.6	-7		
C-1-C	0	69	-0.4	9		
C-2-A	1	61	.6	1		
C-2-B	1	72	.6	12		
C-2-C	1	63	.6	3		
BLANK	1	63	.6	3		

Remarks:

Reviewed By: [signature]

Date: 7-22-96

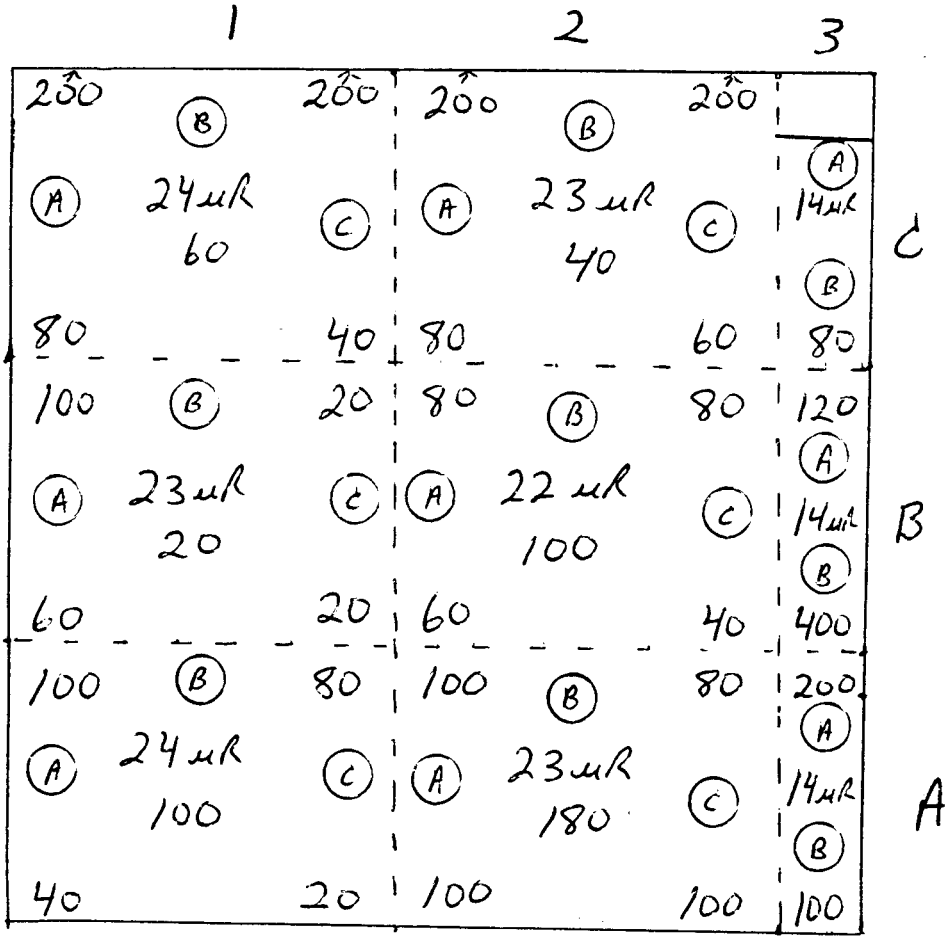
RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-042

DATE: 7-24-96	INSTRUMENTATION USED				
TIME: 1400	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: Conna Humphries	12 s	114316	NA	22	11-9-96
LOCATION: FOYER I/S SHOWER ROOM BLDG 3192 - South Wall	18	118294	20	300-500	11-8-96
REVIEWED BY: NSW	18	118295	20	300-500	11-8-96
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: Unconditional Release of Bldg 3192 in accordance with the standards of NRC Regulatory Guide 1.86

READINGS with Arrows TAKEN ON TOP OF WALL



INTERIOR SHOWER ROOM WALL (SOUTH VIEW)

ALL SMEARS TAKEN ≅ 100 cm^2

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-22-96	FMR-042	Debora R. Holder

COUNTING SYSTEM DATA

INSTRUMENT I.D. 99045	DETECTOR I.D. 098325
EFFICIENCIES: α .264 βγ .158	MDA: α 11 dpm βγ 228 dpm
PERFORMED BY: Conna Humphres	
SAMPLE COUNT TIME: 1 MIN.	ACTIVITY REPORT IN: ☑ dpm ☐ μCi
α BACKGROUND: 0.4 cpm	βγ BACKGROUND: 60 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
BLDG 3192 A-1-A	0	55	-0.4	-5	< MDA	< MDA
I/S SHOWER ROOM A-1-B	0	46	-0.4	-16		
South WALL A-1-C	0	40	-0.4	-20		
A-2-A	1	60	.6	0		
A-2-B	1	66	.6	6		
A-2-C	0	58	-0.4	-2		
B-1-A	0	56	-0.4	-4		
B-1-B	0	64	-0.4	4		
B-1-C	1	53	.6	-7		
B-2-A	0	59	-0.4	-1		
B-2-B	0	65	-0.4	5		
B-2-C	1	63	.6	3		
C-1-A	1	65	.6	5		
C-1-B	1	64	.6	4		
C-1-C	0	61	-0.4	1		
C-2-A	0	52	-0.4	-8		
C-2-B	0	76	-0.4	16		
C-2-C	0	66	-0.4	6		
A-3-A	1	43	.6	-17		
A-3-B	2	60	1.6	0		

Remarks:

Reviewed By: NSW

Date: 7-22-96

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-22-96	FMR-042	Debora K. Holdston

COUNTING SYSTEM DATA

INSTRUMENT I.D. 99045	DETECTOR I.D. 098325
EFFICIENCIES: α .264 $\beta\gamma$ .158	MDA: α 11 dpm $\beta\gamma$ 228 dpm
PERFORMED BY: Conna Humphres	
SAMPLE COUNT TIME: 1 MIN.	ACTIVITY REPORT IN: ☒ dpm ☐ µCi
α BACKGROUND: 0.4 cpm	$\beta\gamma$ BACKGROUND: 60 cpm

SAMPLE I.D. OR DESCRIPTION		GROSS COUNTS α	GROSS COUNTS $\beta\gamma$	NET COUNTS α	NET COUNTS $\beta\gamma$	ACTIVITY α	ACTIVITY $\beta\gamma$
BLDG 3192	B-3-A	1	66	.6	6	< MDA	< MDA
I/S SHOWER RM	B-3-B	0	50	-0.4	-10		
SOUTH WALL	C-3-A	2	62	1.6	2		
	C-3-B	0	70	-0.4	10		
BLANK		0	72	-0.4	12		

Remarks:

Reviewed By: NSW

Date: 7-22-96

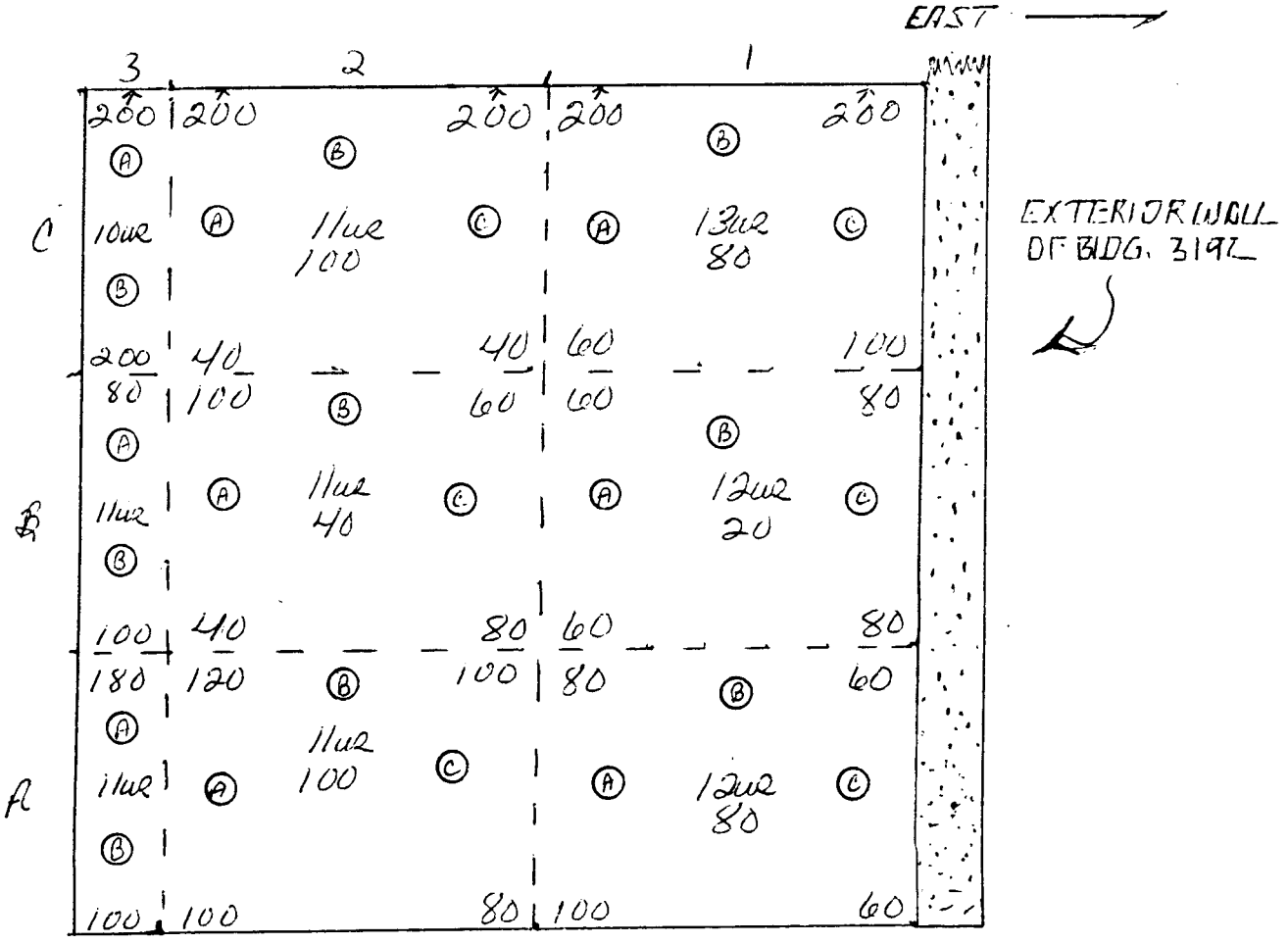
RADIOLOGICAL SURVEY REPORT

ATGS #: FMR 040

DATE: 7-24-96	INSTRUMENTATION USED				
TIME: 1400	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: Connie Humphries	18	118294	20	300-500	11-8-96
LOCATION: BLDG 3192 SHOWER Room FOYER EXTERIOR SOUTH WALL	19	111280	NA	12	9-25-96
REVIEWED BY: NSW	18	118295	20	300-500	11-8-96
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: Unconditional Release of BLDG 3192 in accordance with the standards of NRC Regulatory Guide 1.86

ALL Smears = 100 cm² READINGS with ARROWS TAKEN ON TOP OF WALL



SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-22-96	FMR-040	R. TRANGAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 126128	DETECTOR I.D. 133007
EFFICIENCIES: α .286 % βγ .214	MDA: α 7 DPM βγ 139 DPM
PERFORMED BY: C Humphries	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 0.2 cpm	βγ BACKGROUND: 53 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
A-1-A South wall	0	51	-.2	-2	< MDA	< MDA
A-1-B G/S Shower Room	0	58	-.2	5		
A B-1-C BLDg. 3192	0	60	-.2	7		
B-1-A	0	52	-.2	-1		
B-1-B	0	62	-.2	9		
B-1-C	0	57	-.2	4		
C-1-A	0	47	-.2	-6		
C-1-B	0	70	-.2	17		
C-1-C	0	62	-.2	9		
A-2-A	0	59	-.2	6		
A-2-B	1	54	.8	1		
A-2-C	0	68	-.2	15		
B-2-A	0	49	-.2	-4		
B-2-B	0	50	-.2	-3		
B-2-C	0	48	-.2	-5		
C-2-A	0	66	-.2	13		
C-2-B	0	59	-.2	6		
C-2-C	0	48	-.2	-5		
A-3-A	0	49	-.2	-4	↓	↓
A-3-B ↓	0	59	-.2	6	< MDA	< MDA

Remarks:

Reviewed By: NHW

Date: 7-27-96

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-22-96	FMR-040	R. TRANGAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 126128	DETECTOR I.D. 133007
EFFICIENCIES: α 28.6 % βγ .244	MDA: α 7 Dpm βγ 39 Dpm
PERFORMED BY: C Humphries	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 0.2 cpm	βγ BACKGROUND: 53 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
B-3-A South wall 0/s	0	55	-.2	2	<MDA	<MDA
B-3-B Shower Room	0	42	-.2	-11		
C-3-A Bldg 3142	0	48	-.2	-5		
C-3-B	0	56	-.2	3		
BLANK	0	59	-.2	6	<MDA	<MDA

Remarks:

Reviewed By: [signature]

Date: 7-22-96

BUILDING 3192

FOYER

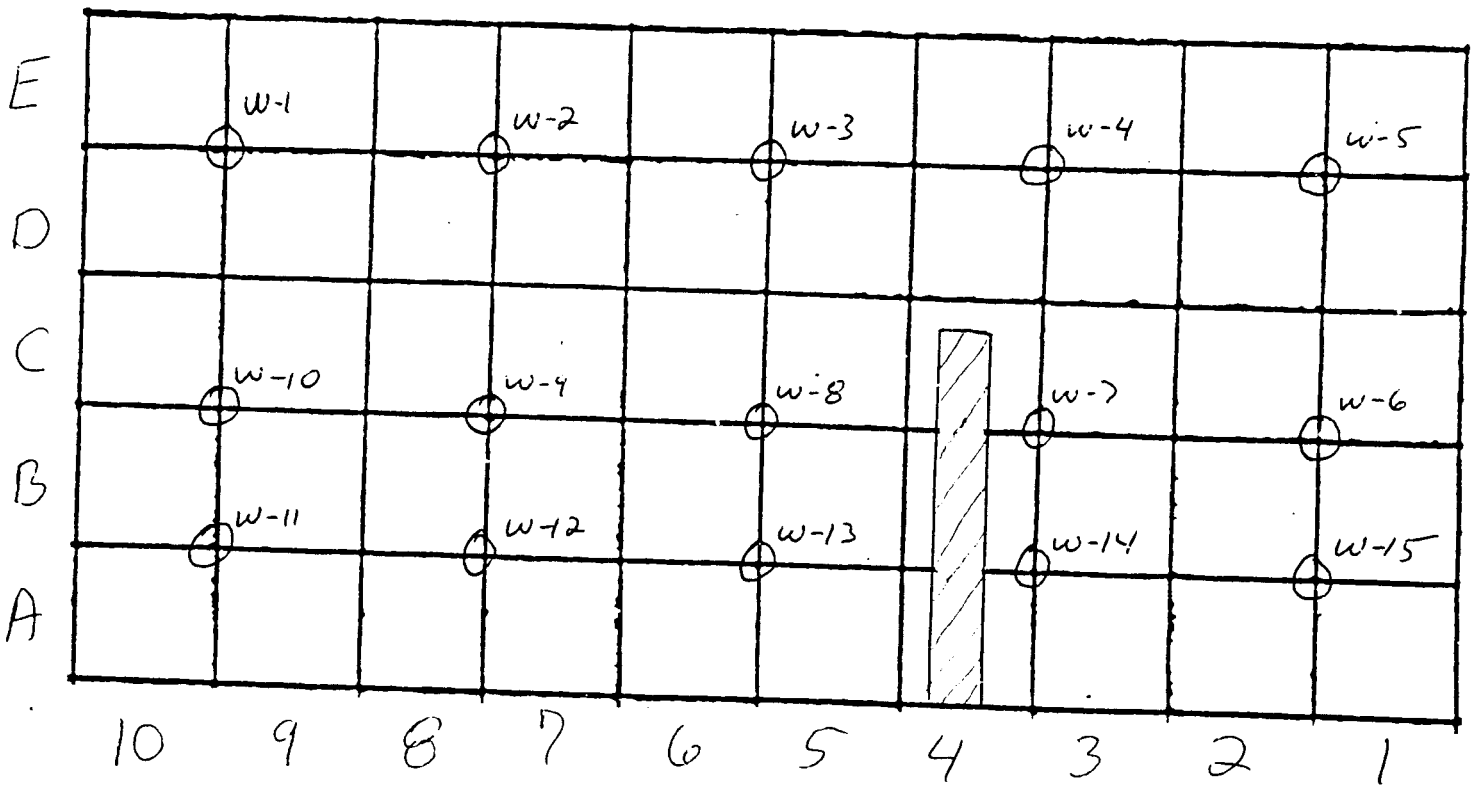
RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-023

DATE: 7-11 TO 7-12-96	INSTRUMENTATION USED				
TIME: 0600 TO 1500	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: D. CORBETT					
LOCATION: BLDG 3192 FOYER WEST WALL QA			A N		
REVIEWED BY: N/W					
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: GRID LOCATION AND QA SURVEY POINT REFERENCE MAP FOR WEST WALL BLDG 3192 FOYER

WEST WALL



RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-023

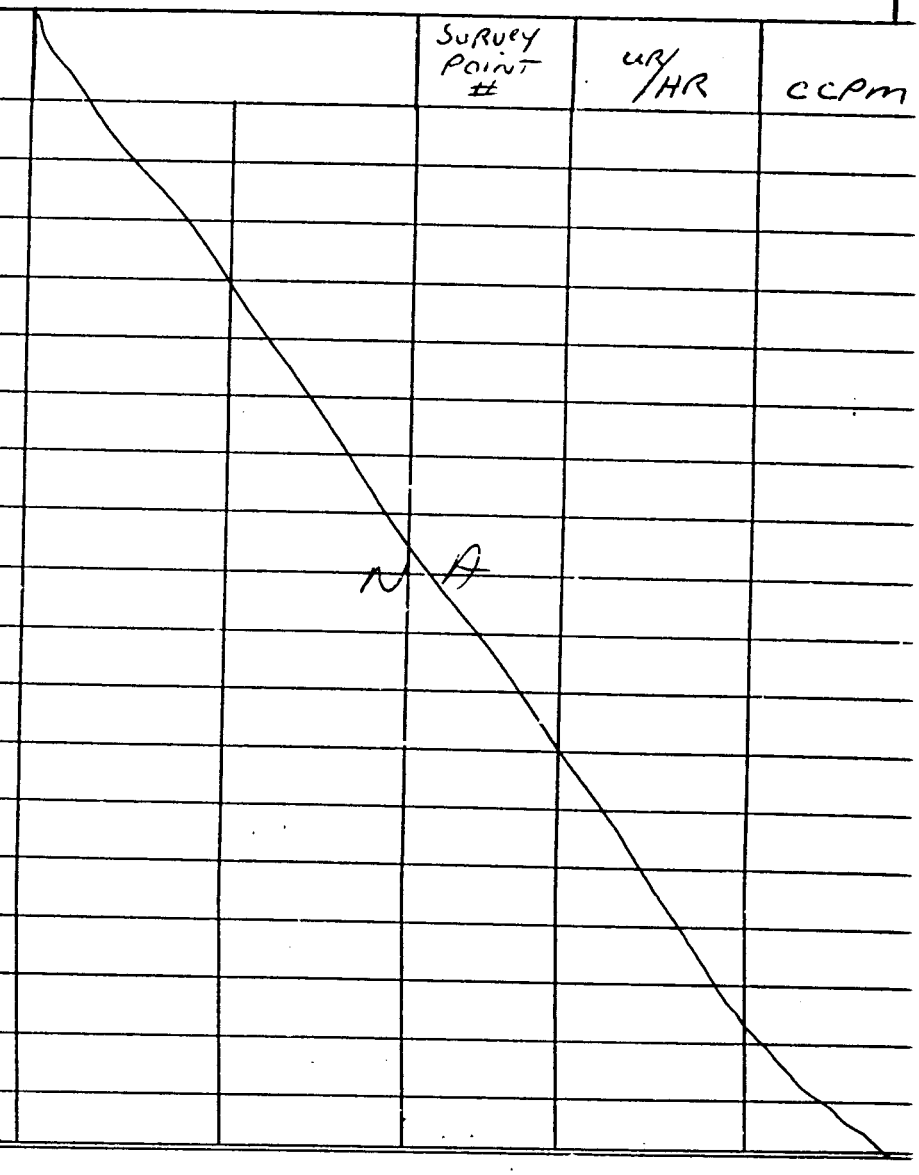
DATE: 7-11 TO 7-12-96	INSTRUMENTATION USED				
TIME: 0600 TO 1500	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: D. CORBETT	18	118295 / 61083	20	320-500 cpm	11-8-96
LOCATION: BLDG 3192 FOYER WEST WALL	19	98102	—	17-20 uR/HR	9-25-96
REVIEWED BY: NSW					
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: SURVEY FOR UNCONDITIONAL RELEASE AS PER CRITERIA ESTABLISHED IN NRC GUIDE 1.86

SMEAR RESULTS ATTACHED

SURVEY POINT #	uR/HR	CCPM
W-1	17	0
W-2	17	0
W-3	18	0
W-4	20	100
W-5	21	0
W-6	24	100
W-7	23	100
W-8	18	40
W-9	20	0
W-10	20	100
W-11	20	200
W-12	21	0
W-13	20	60
W-14	24	100
W-15	27	100

SURVEY POINT #	uR/HR	CCPM



SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-11-96	FMR-023	R. TRANGAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 126128	DETECTOR I.D. 133007
EFFICIENCIES: α .270 βγ .235	MDA: α6 Dpm βγ141 Dpm
PERFORMED BY: D CORBETT	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 0.1 cpm	βγ BACKGROUND: 51 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
W-1 QA WEST	0	50	-.1	-1	<MDA	<MDA
W-2 WALL BLDG 352	0	49	-.1	-2		
W-3	0	60	-.1	9		
W-4	0	55	-.1	4		
W-5	0	61	-.1	10		
W-6	0	50	-.1	-1		
W-7	0	55	-.1	4		
W-8	0	44	-.1	-7		
W-9	0	65	-.1	14		
W-10	0	46	-.1	-5		
W-11	0	50	-.1	-1		
W-12	0	51	-.1	0		
W-13	0	62	-.1	11		
W-14	0	44	-.1	-7		
W-15	0	46	-.1	-6		
BLANK	0	56	-.1	5	<MDA	<MDA

Remarks:

Reviewed By: [illegible] Date: 7-12-96

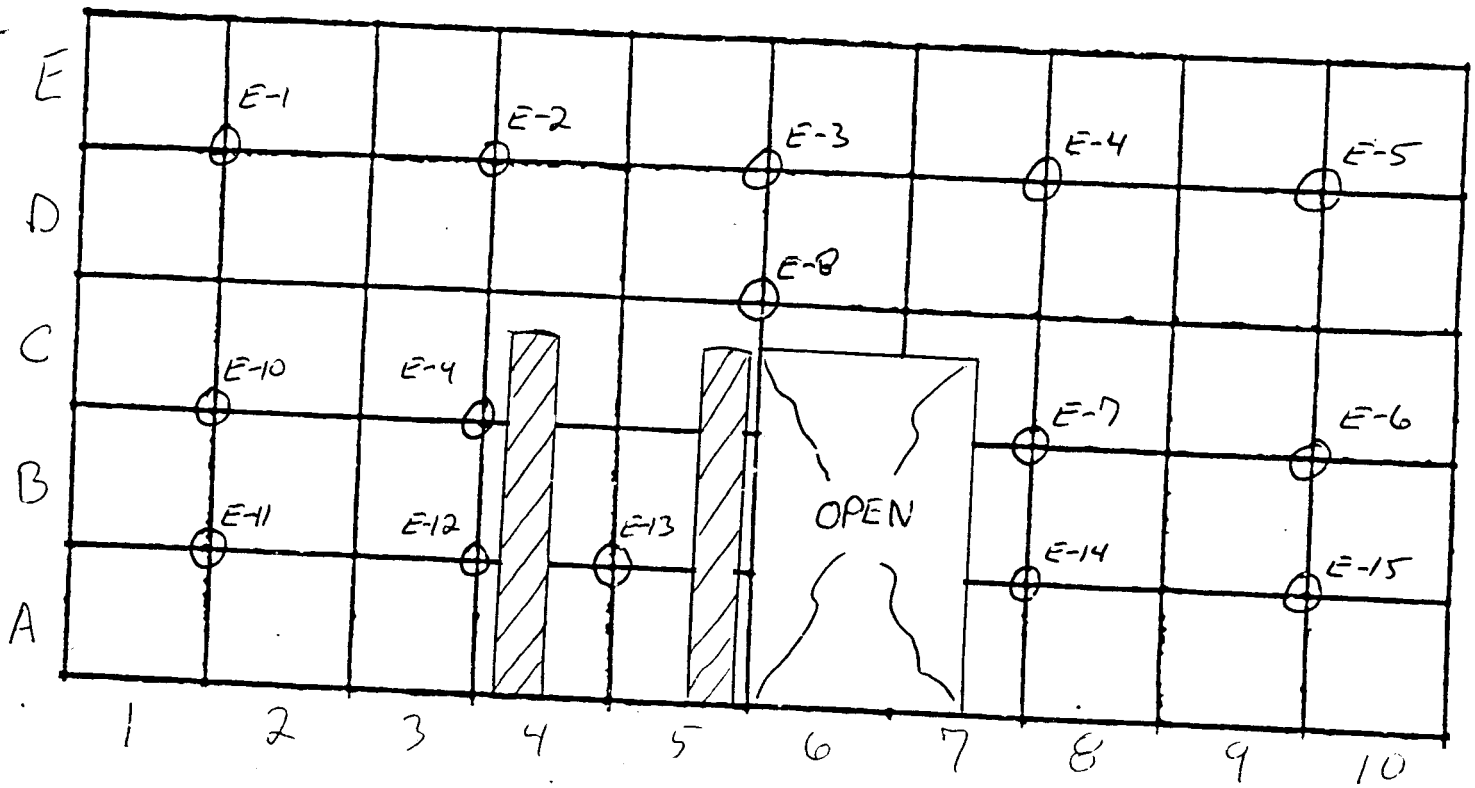
RADIOLOGICAL SURVEY REPORT

TGS #: FMR-023

DATE: 7-11- TO 7-12-96	INSTRUMENTATION USED				
TIME: 0600 TO 1500	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: D. CORBETT					
LOCATION: BLDG 3192 FOYER EAST WALL QA			N	A	
REVIEWED BY: [illegible]					
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: GRID LOCATION AND QA SURVEY POINT REFERENCE MAP FOR EAST WALL BLDG 3192 FOYER

EAST WALL



RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-023

DATE: 7-11 TO 7-12-96	INSTRUMENTATION USED				
TIME: 0600 TO 1500	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: O. CORBETT	18	118295	20	360-440cpm	11-8-96
LOCATION: BLDG 3192 FOYER QA EAST WALL	19	98102	—	19-21 uR/HR	9-25-96
REVIEWED BY: NSW					
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: SURVEY FOR UNCONDITIONAL RELEASE AS PER CRITERIA ESTABLISHED IN NRC GUIDE 1.86

SMEAR RESULTS ATTACHED

SURVEY POINT #	uR/HR	CCPM	SURVEY POINT #	uR/HR	CCPM
E-1	21	60			
E-2	20	20			
E-3	19	0			
E-4	20	0			
E-5	19	0			
E-6	23	150			
E-7	22	150			
E-8	21	60			
E-9	28	200			
E-10	26	200			
E-11	25	200			
E-12	26	250			
E-13	28	200			
E-14	24	200			
E-15	22	200			

N/A

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-12-96	FMR-023	R TRANEAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 99045	DETECTOR I.D. 098325
EFFICIENCIES: α .212 βγ .152	MDA: α 70 dpm βγ 237 Dpm
PERFORMED BY: D CORBETT	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 0.2 cpm	βγ BACKGROUND: 60 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
E-1 BLDG 3192	1	61	.8	1	<MDA	<MDA
E-2 FOYER	0	61	-.2	1		
E-3 QA	0	73	-.2	13		
E-4 EAST WALL	0	74	-.2	14		
E-5	1	55	.8	-5		
E-6	0	67	-.2	7		
E-7	0	58	-.2	-2		
E-8	0	55	-.2	-5		
E-9	1	51	.8	-9		
E-10	1	55	.8	-5		
E-11	0	61	-.2	1		
E-12	0	68	-.2	7		
E-13	0	60	-.2	0		
E-14	1	58	.8	-2		
E-15	0	80	-.2	20		
BLANK	0	68	-.2	8	<MDA	<MDA

Remarks:

Reviewed By: NSW

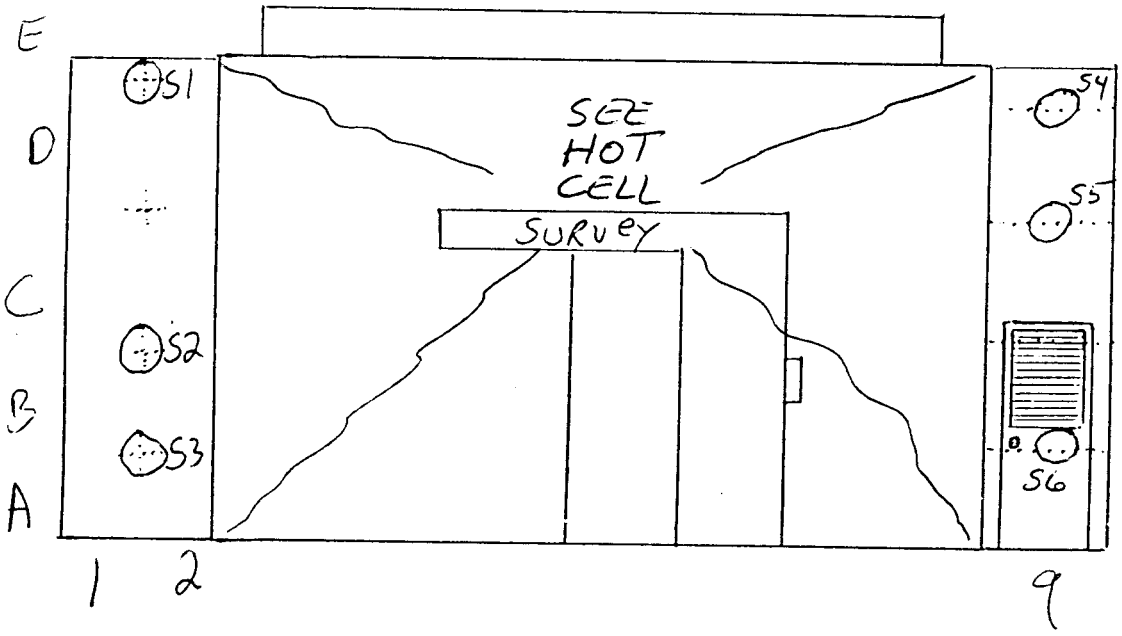
Date: 7-13-96

RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-023

DATE: 7-25-96	INSTRUMENTATION USED				
TIME: 0600 TO 1500	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: O. CORBETT	19	98102	—	13-15 uR/hr	9-25-96
LOCATION: BLDG 3192 FOYER QA SOUTH WALL	18	120052 / 127608	20	280-340 cpm	11-8-96
REVIEWED BY: NSW				N	
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)				A	

PURPOSE OF SURVEY: GRID LOCATION AND QA SURVEY POINT REFERENCE MAP FOR SOUTH WALL



RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-023

DATE: 7-25-96	INSTRUMENTATION USED:				
TIME: 0600 TO 1500	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: O. CORBETT	19	98102	—	13-15 uR/HR	9-25-96
LOCATION: BLDG 3192 FOYER QA SOUTH WALL	18	120052 / 127608	20	280-310cpm	11-8-96
REVIEWED BY: N/A				N/A	
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)				N	

PURPOSE OF SURVEY: SURVEY FOR UNCONDITIONAL RELEASE AS PER CRITERIA ESTABLISHED IN NRC REGULATORY GUIDE 1.86

SMEAR RESULTS ATTACHED

SURVEY POINT #	uR/HR	CCPM
S-1	14	80
S-2	15	60
S-3	16	100
S-4	14	0
S-5	15	20
S-6	13	0
	N/A	

SURVEY POINT #	uR/HR	CCPM
	N/A	

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-26-96	FMR-023	R. Trangas

COUNTING SYSTEM DATA

INSTRUMENT I.D. 126128	DETECTOR I.D. 133007
EFFICIENCIES: α .269% βγ .243%	MDA: α 6 Dpm βγ 141
PERFORMED BY: D Corbett	
SAMPLE COUNT TIME: 1 Min	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 0.1 cpm	βγ BACKGROUND: 54 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
S-1 Bldg 3192	~~0~~	61	-.1	7	<MDA	<MDA
S-2 Fajee South wall	~~0~~	48	-.1	-6		
S-3	~~0~~	42	-.1	-12		
S-4	~~0~~	49	-.1	-5		
S-5	~~0~~	54	-.1	~~0~~		
S-6	~~0~~	69	-.1	15		
BLANK	~~0~~	56	-.1	2	<MDA	<MDA

Remarks:

Reviewed By: [signature] Date: 7-26-96

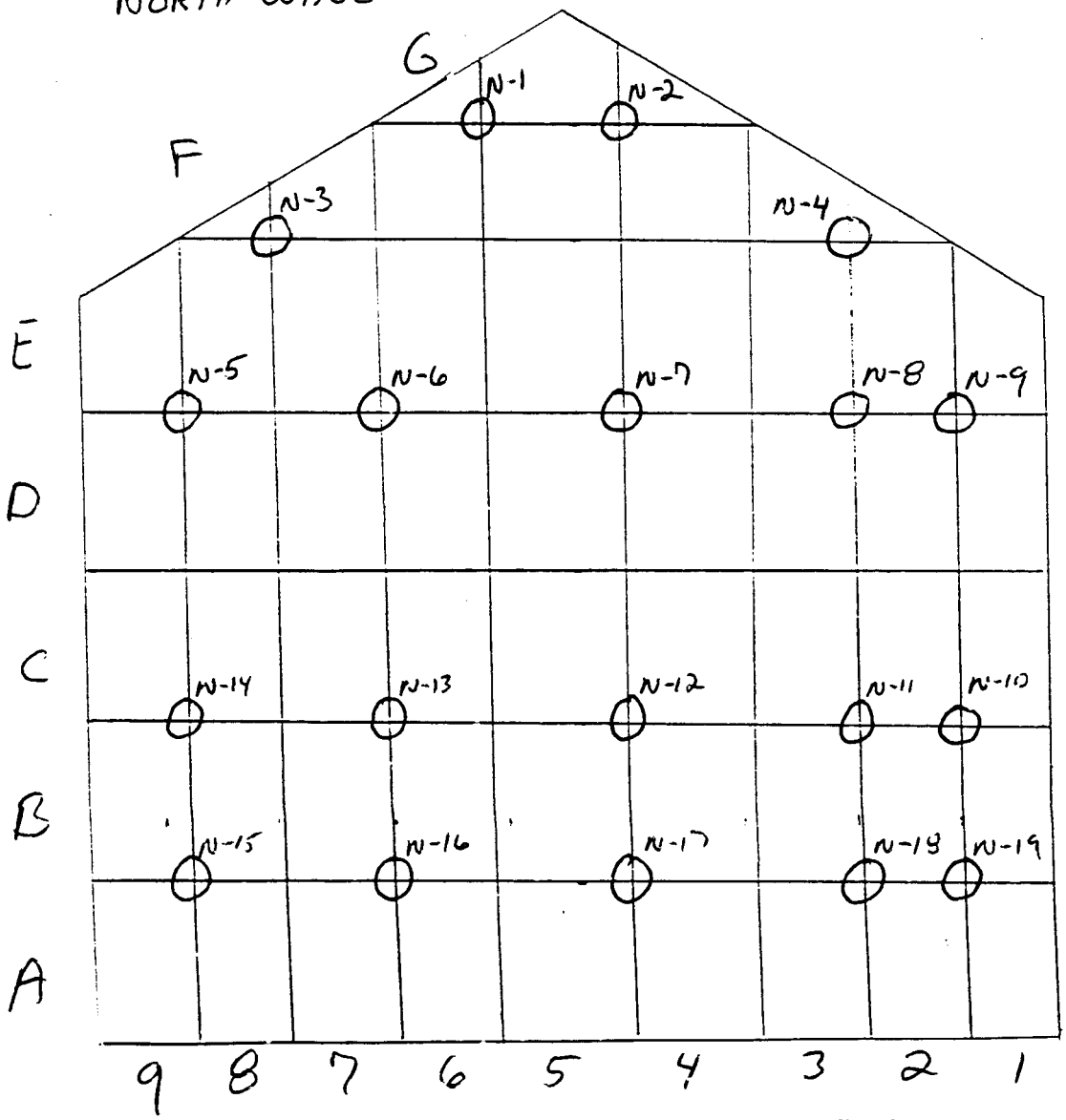
RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-027

DATE: 7-16-96 TO 7-26-96	INSTRUMENTATION USED				
TIME: 0600 TO 1500	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: D. CORBETT	12S	114316	—	10-14 uR/hr	11-9-96
LOCATION: BLDG 3192 FOYER QA NORTH WALL	18	120052 / 127608	20	300-400 cpm	11-8-96
REVIEWED BY: NSW	18	118294 / 61082	20	300-400 cpm	11-8-96
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: GRID LOCATION AND QA SURVEY POINT REFERENCE MAP FOR NORTH WALL

NORTH WALL



RADIOLOGICAL SURVEY REPORT

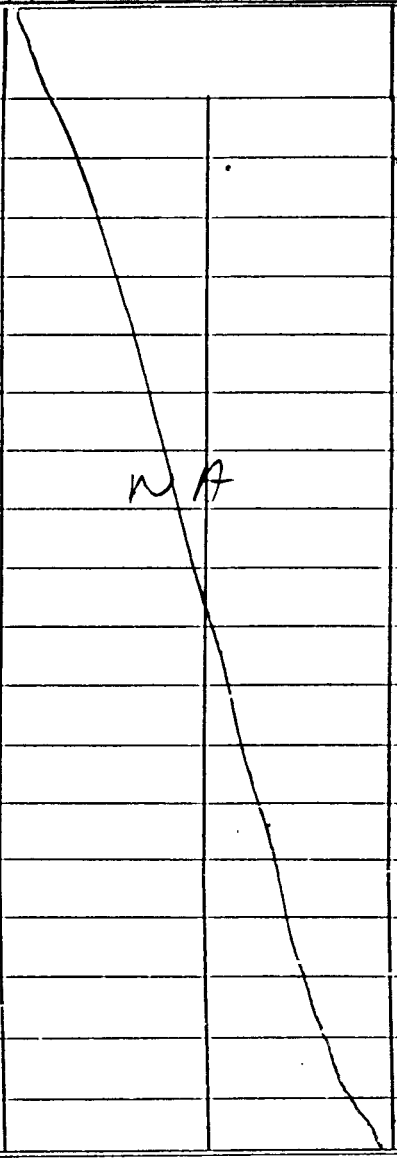
ATGS #: FMR-023

DATE: 7-16-96 TO 7-26-96	INSTRUMENTATION USED				
TIME: 0600 TO 1500	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: O. CORBETT	12S	114316	—	10-14 uR/HR	11-9-96
LOCATION: BLDG 3192 FOYER QA NORTH WALL	18	120057 / 127608	20	300-400 cpm	11-8-96
REVIEWED BY: NSW	19	118294 / 61082	20	300-400 cpm	11-8-96
Smear Locations Circled Dose Rates = microR/hr (uR/hr)				~	A

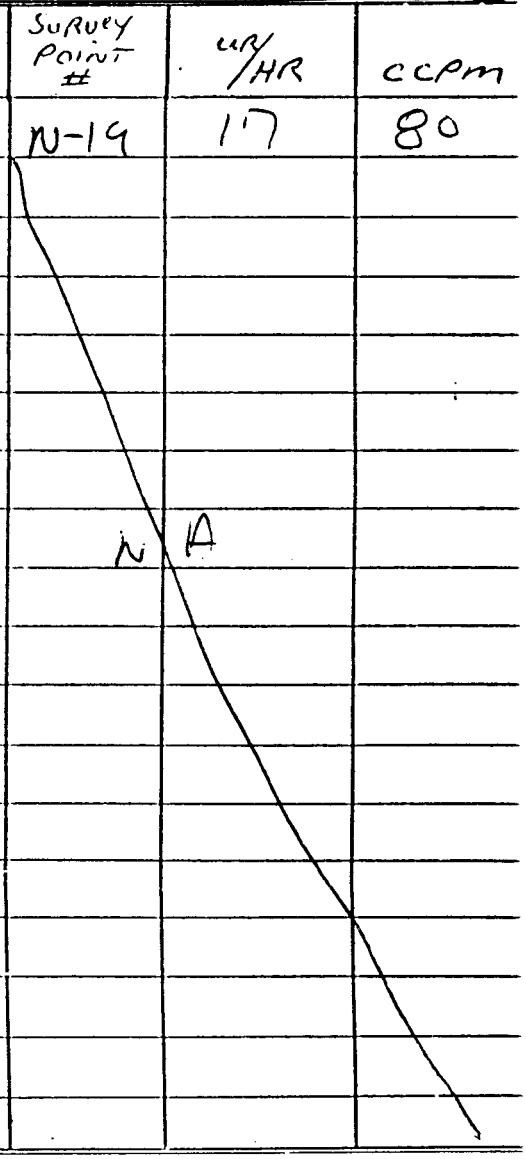
PURPOSE OF SURVEY: SURVEY FOR UNCONDITIONAL RELEASE AS PER CRITERIA ESTABLISHED IN NRC REGULATORY GUIDE 1.86

SMEAR RESULTS ATTACHED

SURVEY POINT #	uR/HR	cpm
N-1	9	0
N-2	10	0
N-3	9	0
N-4	11	0
N-5	16	0
N-6	14	0
N-7	15	80
N-8	16	40
N-9	16	20
N-10	16	0
N-11	16	0
N-12	12	0
N-13	16	40
N-14	12	0
N-15	17	20
N-16	20	300
N-17	10	0
N-18	16	0



SURVEY POINT #	uR/HR	cpm
N-19	17	80



SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-25-96	FMR-023	R. Travnas

COUNTING SYSTEM DATA

INSTRUMENT I.D. 126128	DETECTOR I.D. 133007
EFFICIENCIES: α .278 % βγ .241 %	MDA: α 51 Dpm βγ 142 Dpm
PERFORMED BY: D Corbett	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 0.1 cpm	βγ BACKGROUND: 54 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
N-1 Bldg 3192	~~0~~	~~59~~	-.1	5	<MDA	<MDA
N-2 Foyer QA	~~0~~	58	-.1	4		
N-3 North WALL	~~0~~	62	-.1	8		
N-4	~~0~~	55	-.1	1		
N-5	~~0~~	52	-.1	-2		
N-6	~~0~~	66	-.1	12		
N-7	1	43	.9	-11		
N-8	~~0~~	55	(REC'T 0.1	1		
N-9	1	59	.9	5		
N-10	~~0~~	65	-.1	11		
N-11	~~0~~	60	-.1	6		
N-12	~~0~~	43	-.1	-11		
N-13	~~0~~	53	-.1	-1		
N-14	2	54	1.9	~~0~~		
N-15	~~0~~	67	-.1	13		
N-16	~~0~~	57	-.1	3		
N-17	~~0~~	48	-.1	-6		
N-18	~~0~~	49	-.1	-5		
N-19	~~0~~	52	-.1	-2		
BLANK	~~0~~	59	-.1	5	<MDA	<MDA

Remarks:

Reviewed By: [signature]

Date: 7-25-96

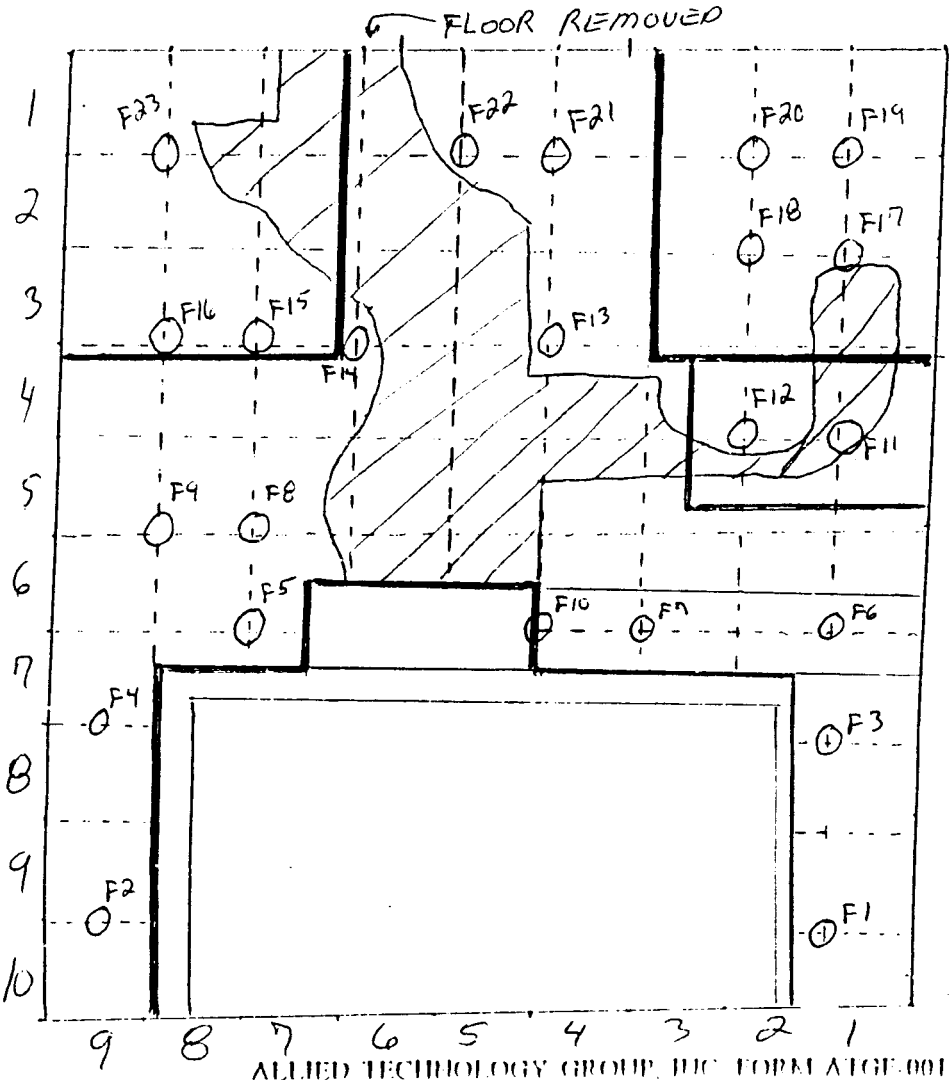
RADIOLOGICAL SURVEY REPORT

ATOS #: FMR-023

DATE: 7-30-96	INSTRUMENTATION USED				
TIME: 0600 TO 1500	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: D. CORBETT	19	131294	—	12 uR/hr	12-27-96
LOCATION: BLDG 3192 FOYER QA FLOOR	18	118295 / 127606	20	240 cpm	11-8-96
REVIEWED BY: NSW					
Smear Locations Circled. Dose Rates = microR/hr (uR/hr)					

PURPOSE OF SURVEY: GRID LOCATION AND QA SURVEY POINT REFERENCE MAP FOR FLOOR

N



RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-023

DATE: 7-30-96	INSTRUMENTATION USED				
TIME: 0600 TO 1500	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: D. CORBETT	19	131244	—	12 UR/HR.	12-20-96
LOCATION: BLDG 3142 FOYER QA FLOOR	18	118245 / 127608	20	240 CPM	11-8-96
REVIEWED BY: NSW				A	
Smear Locations Circled Dose Rates = microR/hr (μR/hr)			N		

PURPOSE OF SURVEY: SURVEY FOR UNCONDITIONAL RELEASE AS PER CRITERIA ESTABLISHED IN NRC REGULATORY GUIDE 1.86

SMEAR RESULTS ATTACHED

SURVEY POINT #	UR/HR	CCPM	SURVEY POINT #	UR/HR	CCPM
F-1	11	60	F-19	15	180
F-2	11	100	F-20	14	100
F-3	12	140	F-21	12	100
F-4	12	20	F-22	11	40
F-5	11	120	F-23	17	120
F-6	12	140			
F-7	14	120			
F-8	12	60			
F-9	12	60			
F-10	14	200			
F-11	16	120			
F-12	14	140			
F-13	14	160			
F-14	14	120			
F-15	14	20			
F-16	14	40			
F-17	15	120			
F-18	14	100			

NA

NA

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-30-96	FMR-023	R. TRAVIS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 126 128	DETECTOR I.D. 133007
EFFICIENCIES: α 26.3% βγ 24.1%	MDA: α 8 Dpm βγ 139 Dpm
PERFORMED BY: D Corbett	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 0.2 cpm	βγ BACKGROUND: 52 cpm

	SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
1	Bldg 3192	1	56	.8	4	<MDA	<MDA
2	FLOOR, QA	~~0~~	58	-.2	6		
3		~~0~~	62	-.2	10		
4		~~0~~	65	-.2	13		
5		~~0~~	46	-.2	-6		
6		1	57	.8	5		
7		~~0~~	58	-.2	6		
8		~~0~~	47	-.2	-5		
9		~~0~~	57	-.2	5		
10		~~0~~	58	-.2	6		
11		~~0~~	51	-.2	-1		
12		~~0~~	66	-.2	14		
13		1	~~48~~	.8	-4		
14		~~0~~	50	-.2	-2		
15		~~0~~	52	-.2	~~0~~		
16		~~0~~	49	-.2	-3		
17		~~0~~	57	-.2	5		
18		~~0~~	53	-.2	1		
19		~~0~~	52	-.2	~~0~~	↓	↓
20	↓	~~0~~	46	-.2	-6	<MDA	<MDA

Remarks:

Reviewed By: NSW

Date: 7-30-96

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-30-96	FMR-023	R TRANGAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 126128	DETECTOR I.D. 133007
EFFICIENCIES: α .2639% βγ .241 %	MDA: α 8 Dpm βγ 139 Dpm
PERFORMED BY: D CORBETT	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 0.2 cpm	βγ BACKGROUND: 52 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
21 BLDG 3192	~~0~~	60	-.2	8	<MDA	<MDA
22 FLOOR QA	1	54	.8	2		
23	~~0~~	47	-.2	-5		
BLANK	~~0~~	60	-.2	8	<MDA	<MDA

Remarks:

Reviewed By: ASW

Date: 7-30-96

RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-025

	INSTRUMENTATION USED				
DATE: 7-22-96	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DA
TIME: 1400					
SURVEYOR: BLDG 3192 FOYER EAST WALL	19	111280	NA	15-24	9-25-96
LOCATION: Debora Holston/C. Humphries	18	118294	20	400-600	11-8-96
REVIEWED BY: NSW	18	118295	20	400-600	11-8-96
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: Unconditional Release of BLDG 3192 in accordance with the standards of NRC Regulatory Guide 1.86

	1	2	3	4	5
E	400 ① 200 ② 17μR 20 60 ③ 40	200 160 ① 15μR ② 40 60 ③ 60	140 400 ① 16μR ② Ø 60 ③ 40	400 300 ① 16μR ② 40 40 ③ 40	300 240 ① 16μR ② 40 40 ③ Ø
D	160 160 ① 19μR ② 140 200 ③ 180	20 240 ① 21μR ② 200 120 ③ 100	240 200 ① 20μR ② 100 120 ③ 200	300 300 ① 20μR ② 140 100 ③ 200	200 40 ① 19μR ② 100 140 ③ 20
C	~~180~~ DWG 180 100 ① 21μR ② 200 300 ③ 200	200 280 ① 13μR ② 20 100 ③ 200	180 100 ① 20μR ② 100 300 ③ 200	200 200 ① 22 ② μR 80 ③ 200 200	160 100 ① 23μR ② 100 200 ③ 120
B	100 200 ① 22μR ② 100 180 ③ 100	100 160 ① 21μR ② 200 200 ③ 200	200 200 ① 22μR ② 380 140 ③ 200	200 100 ① 23 ② μR 100 ③ 100 100	100 120 ① 24μR ② 100 200 ③ 20
A	100 100 ① 20μR ② 80 100 ③ 200	100 100 ① 22μR ② 260 200 ③ 200	160 200 ① 20μR ② 100 200 ③ 100	100 100 ① 22 ② μR 200 ③ 80 80	100 100 ① 24μR ② 40 60 ③ 60

INDICATES WALL BETWEEN A/C Room & Shower

INDICATES SOUTH WALL OF SHOWER ROOM

Remarks: READINGS WITH ARROWS WERE TAKEN ON TOP OF WALL

ALL SMEARS TAKEN = 100 cm²

RADIOLOGICAL SURVEY REPORT

ATGS #: FmR-024

	INSTRUMENTATION USED				
DATE: 7-23-96	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DAT
TIME: 1110					
SURVEYOR: C. Humphries, D. Goldston / C. Humphries	18	118294	20	300-500	11-8-96
LOCATION: BLDG 3192 FOYER-WEST WALL	18	118295	20	300-500	11-8-96
REVIEWED BY: NSW	19	111280	NA	14-22	9-25-96
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: Unconditional Release of BLDG 3192 in accordance with th Standards of NRC Regulatory Guide 1.86

	5	4	3	2	1	
	↑ 100 ↑ 200 ① 15 uR ② 20 60 ③ 80	↑ 240 ↑ 100 ① 14 uR ② 40 20 ③ 60	↑ 100 ↑ 80 ① 15 uR ② Ø 40 ③ 20	↑ 100 ↑ 100 ① 16 uR ② 20 20 ③ Ø	↑ 100 ↑ 120 ① 17 uR ② Ø Ø ③ Ø	E
	120 100 ① 17 uR ② 200 20 ③ 100	100 200 ① 18 uR ② 200 100 ③ 140	180 180 ① 19 uR ② 120 120 ③ 140	220 200 ① 20 uR ② 200 140 ③ 40	80 60 ① 22 uR ② 40 40 ③ 40	D
	40 200 ① 20 uR ② Ø 100 ③ 120	200 100 ① 22 uR ② 200 140 ③ 200	100 200 ① 21 uR ② 200 200 ③ 200	220 60 ① 21 uR ② 100 300 ③ 200	60 100 ① 21 uR ② 200 40 ③ Ø	C
	100 100 ① 19 uR ② 100 100 ③ 100	200 Ø ① 20 uR ② Ø 180 ③ 100	80 140 ① 20 uR ② 100 80 ③ 100	40 20 ① 21 uR ② 20 20 ③ Ø	Ø 120 ① 22 uR ② 20 Ø ③ Ø	B
	100 200 ① 19 uR ② 80 40 ③ 100	200 200 ① 20 uR ② 200 200 ③ 200	200 ② 80 20 uR ① 100 ③ 400 200	100 20 ① 21 uR ② Ø 200 ③ 40	40 80 ① 21 uR ② Ø 20 ③ 20	A

Remarks: ↑ READINGS with ARROWS TAKEN ON TOP OF WALL

ALL SMEARS ≈ 100 cm²

RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-024

DATE: 7-23-96	INSTRUMENTATION USED:				
TIME: 1110	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DA
SURVEYOR: D. GOLDSTON / C. HUMPHRES C. Humphres	18	118294	20	300-500	11-8-96
LOCATION: BLDG 3192 FOYER- WEST WALL	18	118295	20	300-500	11-8-96
REVIEWED BY: NSW	19	111280	10	14-22	9-25-96
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: Unconditional Release of BLDG 3192 in accordance with the Standards of NRC Regulatory Guide 1.86

	10	9	8	7	6
E	100 100 ① 14uR ② 20 20 ③ Ø	120 100 ① 14uR ② 20 20 ③ 40	100 180 ① 15uR ② 60 40 ③ 40	100 300 ① 15uR ② 40 20 ③ 20	300 200 ① 15uR ② 40 60 ③ Ø
D	40 100 ① 18uR ② 60 40 ③ 80	40 80 ① 16uR ② 100 80 ③ 80	60 80 ① 16uR ② 80 40 ③ 80	100 80 ① 17uR ② 60 80 ③ 80	60 60 ① 17uR ② 100 80 ③ 200
C	20 80 ① 17uR ② 80 60 ③ 80	40 40 ① 17uR ② 20 60 ③ 60	80 80 ① 17uR ② 80 80 ③ 200	120 60 ① 17uR ② 80 160 ③ 80	20 Ø ① 16uR ② 200 200 ③ 100
B	40 60 ① 17uR ② 20 20 ③ 60	40 40 ① 16uR ② 20 60 ③ 60	60 100 ① 17uR ② 40 80 ③ 140	100 80 ① 16uR ② 60 100 ③ 80	ELECTRICAL BOX ① 100 ② 18uR ③ 60
A	40 60 ① 16uR ② 40 20 ③ 60	40 60 ① 17uR ② 80 100 ③ 40	40 100 ① 16uR ② 60 80 ③ 100	100 100 ① 15uR ② 80 80 ③ 100	① 60 ② 19uR 120 ③ 100

Remarks: READINGS with Arrows Taken On Top OF WALL

ALL SMEARS ≈ 100 cm²

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-11-96	FMAR-024	R. TRANGAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 126128	DETECTOR I.D. 133007
EFFICIENCIES: α .270 $\beta\gamma$ .235	MDA: α 6 DPM $\beta\gamma$ 141 DPM
PERFORMED BY: D Corbett	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ µCi
α BACKGROUND: 0.1 cpm	$\beta\gamma$ BACKGROUND: 51 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS $\beta\gamma$	NET COUNTS α	NET COUNTS $\beta\gamma$	ACTIVITY α	ACTIVITY $\beta\gamma$
E-1-1 WEST WALL	~~0~~	59	-.1	8	<MDA	<MDA
E-1-2 BLDG 3192	~~0~~	54	-.1	3		
E-1-3 FOYER	~~0~~	47	-.1	-4		
D-1-1	~~0~~	46	-.1	-5		
D-1-2	2	51	1.9	~~0~~		
D-1-3	~~0~~	60	-.1	9		
C-1-1	~~0~~	62	-.1	11		
C-1-2	~~0~~	47	-.1	-4		
C-1-3	1	44	.9	-7		
B-1-1	~~0~~	67	-.1	16		
B-1-2	~~0~~	40	-.1	-11		
B-1-3	~~0~~	47	-.1	-4		
A-1-1	1	59	.9	8		
A-1-2	~~0~~	46	-.1	-5		
A-1-3	~~0~~	63	-.1	12		
BLANK	~~0~~	46	-.1	-5	<MDA	<MDA

Remarks:

Reviewed By: [illegible] Date: 7-11-96

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-11-96	FMR-024	R. TRANGAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 126128	DETECTOR I.D. 133007
EFFICIENCIES: α .270 $\beta\gamma$ .235	MDA: α 6 DPM $\beta\gamma$ 141 DPM
PERFORMED BY: D Corbett	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ µCi
α BACKGROUND: 0.1 cpm	$\beta\gamma$ BACKGROUND: 51 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS $\beta\gamma$	NET COUNTS α	NET COUNTS $\beta\gamma$	ACTIVITY α	ACTIVITY $\beta\gamma$
~~A-2~~ - E-2-1 WEST	1	63	.9	12	<MDA	<MDA
E-2-2	~~0~~	51	-.1	~~0~~		
E-2-3	~~0~~	66	-.1	15		
D-2-1	~~0~~	55	-.1	4		
D-2-2	~~0~~	51	-.1	~~0~~		
D-2-3	~~0~~	59	-.1	8		
C-2-1	~~0~~	58	-.1	7		
C-2-2	~~0~~	64	-.1	13		
C-2-3	~~0~~	54	-.1	3		
B-2-1	~~0~~	58	-.1	7		
B-2-2	~~0~~	61	-.1	10		
B-2 3	~~0~~	54	-.1	3		
A-2-1	~~0~~	75	-.1	24		
A-2-2	~~0~~	49	-.1	-2		
A-2-3	~~0~~	62	-.1	11		
BLANK	~~0~~	59	-.1	8	<MDA	<MDA

Remarks:

Reviewed By: [illegible] Date: 7-11-96

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-11-96	FMR-024	R. TRANGAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 126128	DETECTOR I.D. 133007
EFFICIENCIES: α .270 $\beta\gamma$ .235	MDA: α 6 DPM $\beta\gamma$ 141 DPM
PERFORMED BY: D Cornett	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ µCi
α BACKGROUND: 0.1 cpm	$\beta\gamma$ BACKGROUND: 51 cpm

SAMPLE I.D. OR DESCRIPTION		GROSS COUNTS α	GROSS COUNTS $\beta\gamma$	NET COUNTS α	NET COUNTS $\beta\gamma$	ACTIVITY α	ACTIVITY $\beta\gamma$
E-3-1	WEST	~~0~~	48	-.1	-3	<MDA	<MDA
E-3-2		~~0~~	66	-.1	15		
E-3-3		~~0~~	57	-.1	6		
D-3-1		~~0~~	56	-.1	5		
D-3-2		~~0~~	65	-.1	14		
D-3-3		~~0~~	63	-.1	12		
C-3-1		~~0~~	56	-.1	5		
C-3-2		~~0~~	48	-.1	-3		
C-3-3		~~0~~	50	-.1	-1		
B-3-1		~~0~~	50	-.1	-1		
B-3-2		~~0~~	51	-.1	~~0~~		
B-3-3		1	44	.9	-7		
A-3-1		~~0~~	50	-.1	-1		
A-3-2		1	48	.9	-3		
A-3-3		~~0~~	56	-.1	5		
Blank		~~0~~	52	-.1	-1	<MDA	<MDA

Remarks:

Reviewed By: KN Date: 7-12-96

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-11-96	24	R. TRANGAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 99045	DETECTOR I.D. 098325
EFFICIENCIES: α .286 βγ .154	MDA: α 9 Dpm βγ 238 Dpm
PERFORMED BY: ~~R TRANGAS~~ ~~D. CORBETT~~ Richard Trangas 11/15/96	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 0.3 cpm	βγ BACKGROUND: 62 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
E-4-1 WEST	1	58	.7	-4	<MDA	<MDA
E-4-2	~~0~~	69	-.3	7		
E-4-3	~~0~~	76	-.3	14		
D-4-1	~~0~~	59	-.3	-3		
D-4-2	~~0~~	58	-.3	-4		
D-4-3	~~0~~	53	-.3	-9		
C-4-1	~~0~~	54	-.3	-8		
C-4-2	~~0~~	63	-.3	1		
C-4-3	1	49	.7	-13		
B-4-1	~~0~~	62	-.3	~~0~~		
B-4-2	~~0~~	66	-.3	4		
B-4-3	~~0~~	68	-.3	6		
A-4-1	~~0~~	53	-.3	-9		
A-4-2	~~0~~	62	-.3	~~0~~		
A-4-3	1	65	.7	3		
BLANK	~~0~~	50	-.3	-12	<MDA	<MDA

Remarks:

Reviewed By:	Date:
DSW	7-12-96

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-11-96	024	R. TRANGAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 99045	DETECTOR I.D. 098325
EFFICIENCIES: α .286 βγ .154	MDA: α 9 Dpm βγ 238 Dpm
PERFORMED BY: R. JBC 11/13/96 ~~D. CORBETT~~ RICHARD TRANGAS	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 0.3 cpm	βγ BACKGROUND: 62 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
E-5-1 WEST	0	61	-.3	-1	<MDA	<MDA
E-5-2	0	72	-.3	10		
E-5-3	1	62	.7	0		
D-5-1	0	70	-.3	8		
D-5-2	0	57	-.3	-5		
D-5 3	1	71	.7	9		
C-5-1	0	70	-.3	8		
C-5-2	0	65	-.3	3		
C-5-3	0	50	-.3	-12		
B-5-1	3	74	2.7	12		
B-5-2	2	66	.1.7	4		
B-5-3	1	56	.7	-6		
A-5-1	0	60	-.3	-2		
A-5-2	0	57	-.3	-5		
A-5-3	1	62	.7	0		
BLANK	0	51	-.3	-11	<MDA	<MDA

Remarks:

Reviewed By:	Date:
NSW	7-17-96

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-12-96	FMR-024	R. TRANEAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 126 128	DETECTOR I.D. 133007
EFFICIENCIES: α .280 βγ .232	MDA: α 5 Dpm βγ 147 Dpm
PERFORMED BY: D. CORBETT	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 0.1 cpm	βγ BACKGROUND: 54 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
E-6-1 WEST	0	51	-.1	-3	<MDA	<MDA
E-6-2 WALL	0	58	-.1	4		
E-6-3 BLDG	1	48	.9	-6		
D-6-1 3192	0	56	-.1	2		
D-6-2 FOYER	0	66	-.1	12		
D-6-3	0	52	-.1	-2		
C-6-1	0	44	-.1	-10		
C-6-2	0	46	-.1	-8		
C-6-3	0	45	-.1	-9		
B-6-1	0	57	-.1	3		
B-6-2	0	52	-.1	-2		
B-6-3	1	44	.9	-10		
A-6-1	0	46	-.1	-8		
A-6-2	0	55	-.1	1		
A-6-3	0	58	-.1	4		
BLANK	0	49	-.1	-5	<MDA	<MDA

Remarks:

Reviewed By: NSW

Date: 7-17-96

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-12-96	FMR-024	R. TRANEAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 126128	DETECTOR I.D. 133007
EFFICIENCIES: α .280 βγ .232	MDA: α 5 Dpm βγ 147 Dpm
PERFORMED BY: D CORBETT	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 0.1 cpm	βγ BACKGROUND: 54 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
E-7-1 WEST	1	70	.9	16	<MDA	<MDA
E-7-2	0	52	-.1	-2		
E-7-3	0	55	-.1	1		
D-7-1	0	56	-.1	2		
D-7-2	0	51	-.1	-3		
D-7-3	0	47	-.1	-7		
C-7-1	0	70	-.1	16		
C-7-2	0	67	-.1	13		
C-7-3	0	60	-.1	6		
B-7-1	0	50	-.1	-4		
B-7-2	0	61	-.1	7		
B-7-3	0	57	-.1	3		
A-7-1	0	51	-.1	-3		
A-7-2	0	48	-.1	-6		
A-7-3	1	63	.9	9		
BLANK	0	55	-.1	1	<MDA	<MDA

Remarks:

Reviewed By: NSW

Date: 7-17-96

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-12-96	FMR-024	R. Travers

COUNTING SYSTEM DATA

INSTRUMENT I.D. 126 128	DETECTOR I.D. 133007
EFFICIENCIES: α .280 βγ .232	MDA: α 5 Dpm βγ 147 Dpm
PERFORMED BY: D Corbett	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 0.1 cpm	βγ BACKGROUND: 54 cpm

SAMPLE I.D. OR DESCRIPTION		GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
E-8-1	WEST	~~0~~	59	-.1	5	<MDA	<MDA
E-8-2		~~0~~	48	-.1	-6		
E-8-3		~~0~~	53	-.1	-1		
D-8-1		~~0~~	54	-.1	0		
D-8-2		~~0~~	46	-.1	-8		
D-8-3		1	49	.9	-5		
C-8-1		~~0~~	59	-.1	5		
C-8-2		~~0~~	61	-.1	7		
C-8-3		~~0~~	55	-.1	1		
B-8-1		~~0~~	63	-.1	9		
B-8-2		~~0~~	48	-.1	-6		
B-8 3		~~0~~	50	-.1	-4		
A-8-1		~~0~~	52	-.1	-2		
A-8-2		~~0~~	50	-.1	-4		
A-8-3		~~0~~	48	-.1	-6	"	"
BLANK		~~0~~	61	-.1	7	<MDA	<MDA

Remarks:

Reviewed By: NSW

Date: 7-12-96

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-12-96	FMR-024	R TRANEAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 99045	DETECTOR I.D. 098325
EFFICIENCIES: α .292 βγ .152	MDA: α 7 Dpm βγ 237 Dpm
PERFORMED BY: D CORBETT	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 0.2 cpm	βγ BACKGROUND: 60 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
E-9-1 WEST	~~0~~	53	-.2	-7	<MDA	<MDA
E-9-2	1	55	.8	-5		
E-9-3	~~0~~	60	-.2	~~0~~		
D-9-1	~~0~~	50	-.2	-10		
D-9-2	~~0~~	49	-.2	-11		
D-9-3	1	57	.8	-3		
C-9-1	~~0~~	68	-.2	8		
C-9-2	~~0~~	54	-.2	-6		
C-9-3	~~0~~	55	-.2	-5		
B-9-1	~~0~~	87	-.2	27		
B-9-2	~~0~~	64	-.2	4		
B-9-3	~~0~~	63	-.2	3		
A-9-1	~~0~~	46	-.2	-14		
A-9-2	~~0~~	55	-.2	-5		
A-9-3	~~0~~	74	-.2	14		
BLANK	1	58	.8	-2	<MDA	<MDA

Remarks:

Reviewed By: MSW

Date: 7-17-96

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-12-96	FMR-024	R TRANEAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 99045	DETECTOR I.D. 098325
EFFICIENCIES: α .292 βγ .152	MDA: α 7 Dpm βγ 237 Dpm
PERFORMED BY: Richard Trongol	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 0.2 cpm	βγ BACKGROUND: 60 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
E-10-1 WET	1	58	.8	-2	<MDA	<MDA
E-10-2	1	52	.8	-8		
E-10-3	1	57	.8	-3		
D-10-1	~~0~~	67	-.2	7		
D-10-2	1	59	.8	-1		
D-10-3	~~0~~	58	-.2	-2		
C-10-1	~~0~~	45	-.2	-15		
C-10-2	1	57	.8	-3		
C-10-3	~~0~~	56	-.2	-4		
B-10-1	~~0~~	58	-.2	-2		
B-10-2	~~0~~	48	-.2	-12		
B-10-3	~~0~~	60	-.2	~~0~~		
A-10-1	~~0~~	70	-.2	10		
A-10-2	~~0~~	49	-.2	-11		
A-10-3	1	50	.8	-10		
BLANK	~~0~~	61	-.2	1	<MDA	<MDA

Remarks:

Reviewed By: NSW

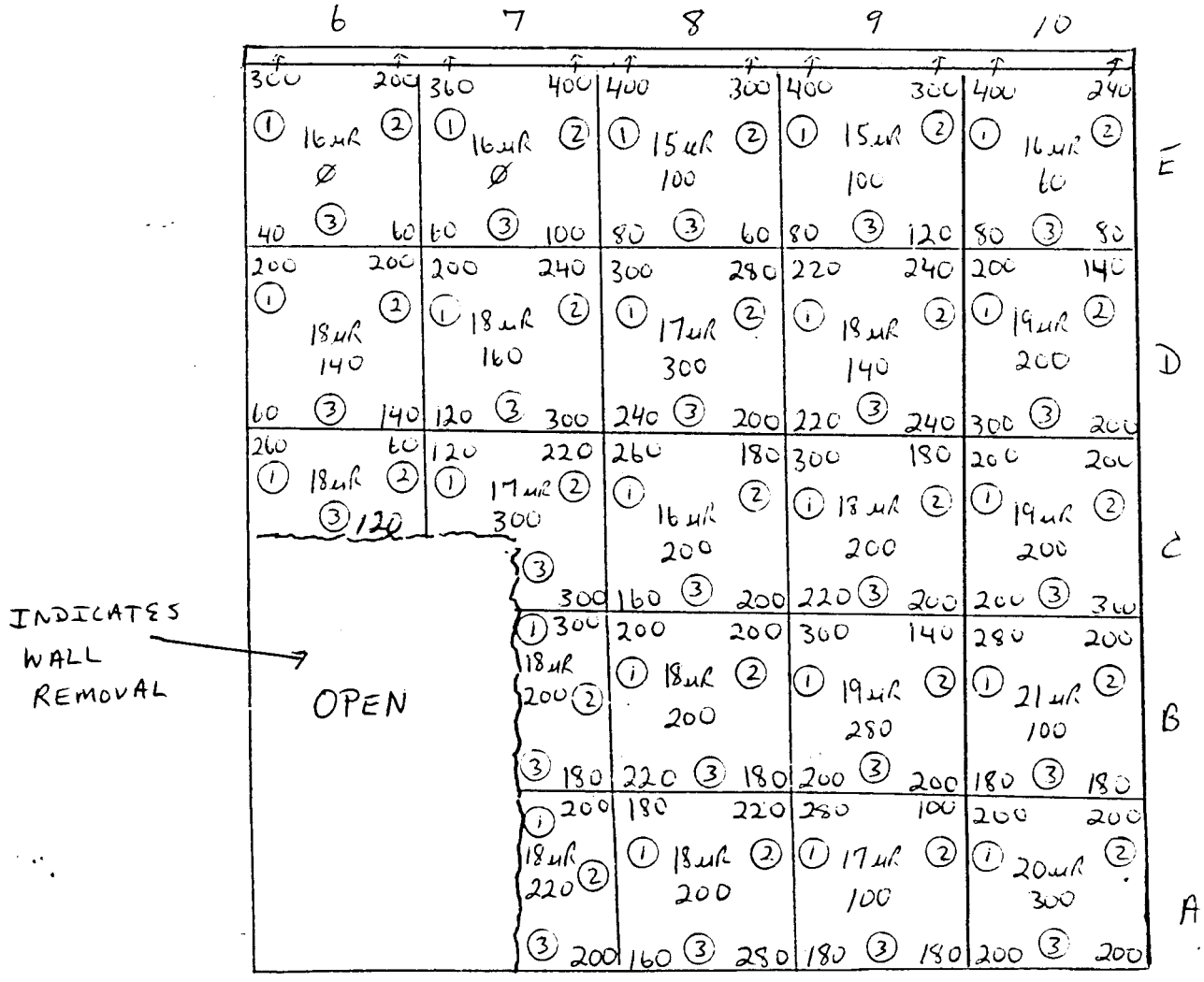
Date: 7-12-96

RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-025

DATE: 7-22-96	INSTRUMENTATION USED				
TIME: 1400	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: D. Goldston / C. Humphrey	19	111280	NR	15-24	9-25-96
LOCATION: BLDG 3192 FOYER EAST WALL	18	118294	20	400-600	11-8-96
REVIEWED BY: NSW	18	118295	20	400-600	11-8-96
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: Unconditional Release of BLDG 3192 in accordance with the Standards of NRC Regulatory Guide 1.86



Remarks: READINGS with ARROWS WERE TAKEN ON TOP OF WALL

ALL SMEARS TAKEN = 100 cm²

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-15-96	FMR-025	R. TRANGAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 126 128	DETECTOR I.D. 133007
EFFICIENCIES: α .277% $\beta\gamma$ .239%	MDA: α 50 dpm $\beta\gamma$ 194 dpm
PERFORMED BY: R. Trangas	
SAMPLE COUNT TIME: 1 min	ACTIVITY REPORT IN: ~~⊠~~ dpm ☐ μCi
α BACKGROUND: 01 cpm	$\beta\gamma$ BACKGROUND: 55 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS $\beta\gamma$	NET COUNTS α	NET COUNTS $\beta\gamma$	ACTIVITY α	ACTIVITY $\beta\gamma$
A 1 1 Bldg 3192	~~0~~	52	-.1	-3	<MDA	<MDA
A 1 2 Foyer	~~0~~	47	-.1	-8		
A 1 3 Eastwall	~~0~~	48	-.1	-7		
B 1 1	~~0~~	50	-.1	-5		
B 1 2	~~0~~	38	-.1	-17		
B 1 3	~~0~~	60	-.1	5		
C 1 1	~~0~~	46	-.1	-4		
C 1 2	~~0~~	52	-.1	-3		
C 1 3	1	55	.9	~~0~~		
D 1 1	1	59	.9	4		
D 1 2	2	50	1.9	-5		
D 1 3	~~0~~	50	-.1	-5		
E 1 1	~~0~~	57	-.1	2		
E 1 2	~~0~~	54	-.1	-1		
E 1 3	~~0~~	58	-.1	3		
Blank	~~0~~	61	-.1	6	<MDA	<MDA

Remarks:

Reviewed By: NSW

Date: 7-15-96

SMEAR COUNTING ANALYSIS REPORT

JSC 11/19/96

DATE:	ATGS#: 025 FMR-024	ANALYSIS PERFORMED BY:
7-15-96		R. TRANGAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 99045	DETECTOR I.D. 098325
EFFICIENCIES: α .278 % βγ .153 %	MDA: α 12.2 dpm βγ 223 dpm
PERFORMED BY: D CORBETT	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 0.5 cpm	βγ BACKGROUND: 54 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
A-2-1 Bldg 3992	1	72	.5	18	<MDA	<MDA
A-2-2 T-Tower	~~0~~	64	-.5	10		
A-2-3 EAST WALL	~~0~~	56	-.5	2		
B-2-1	1	59	.5	5		
B-2-2	~~0~~	58	-.5	4		
B-2-3	~~0~~	50	-.5	-4		
C-2-1	~~0~~	66	-.5	12		
C-2-2	~~0~~	50	-.5	-4		
C-2-3	~~0~~	71	-.5	17		
D-2-1	~~0~~	67	-.5	12		
D-2-2	1	52	.5	-2		
D-2-3	~~0~~	70	-.5	16		
E-2-1	~~0~~	57	-.5	3		
E-2-2	~~0~~	54	-.5	~~0~~		
E-2-3	1	51	.5	-3		
BLANK	1	59	.5	5	<MDA	<MDA

Remarks:

Reviewed By: NSW

Date: 7-15-96

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-15-96	FMR-025	R. TRANGAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 126 128	DETECTOR I.D. 133007
EFFICIENCIES: α .277% βγ .239%	MDA: α 5 Dpm βγ 194 Dpm
PERFORMED BY: D CORBETT	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 0 1 cpm	βγ BACKGROUND: 5 5 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
A 3 1 EAST WALL	0	49	-.1	-6	<MDA	<MDA
A 3 2 BLDG 3M2	1	51	.9	-4		
A 3 3 Foyer	0	47	-.1	-8		
B 3 1	0	51	-.1	-4		
B 3 2	0	54	-.1	-1		
B 3 3	0	66	-.1	11		
C 3 1	0	52	-.1	-3		
C 3 2	0	48	-.1	-7		
C 3 3	0	64	-.1	9		
D 3 1	0	47	-.1	-8		
D 3 2	0	48	-.1	-7		
D 3 3	0	55	-.1	0		
E 3 1	0	61	-.1	6		
E 3 2	0	56	-.1	1		
E 3 3	0	60	-.1	5		
BLANK	0	68	-.1	13	<MDA	<MDA

Remarks:

Reviewed By: NSW

Date: 7-15-96

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#/FMR-0	ANALYSIS PERFORMED BY:
7-15-96	025 / 024	R. TRANDAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 99045	DETECTOR I.D. 098325
EFFICIENCIES: α .278 % βγ .153 %	MDA: α 121 dpm βγ 223 dpm
PERFORMED BY: D CORBETT	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 0.5 cpm	βγ BACKGROUND: 54 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
A-4-1 EAST WALL	~~0~~	55	-.5	1	<MDA	<MDA
A-4-2 Bldg 3192	~~0~~	64	-.5	10		
A-4-3 Foyer	~~0~~	69	-.5	15		
B-4-1	~~0~~	56	-.5	2		
B-4-2	~~0~~	50	-.5	-4		
B-4-3	1	65	.5	12		
C-4-1	~~0~~	41	-.5	-13		
C-4-2	~~0~~	46	-.5	-8		
C-4-3	~~0~~	57	-.5	3		
D-4-1	~~0~~	49	-.5	-5		
D-4-2	~~0~~	66	-.5	12		
D-4-3	~~0~~	58	-.5	4		
E-4-1	~~0~~	61	-.5	7		
E-4-2	~~0~~	60	-.5	6		
E-4-3	~~0~~	53	~~-0~~.5	-1		
BLANK	~~0~~	54	-.5	5	<MDA	<MDA

Remarks:

Reviewed By: NSW

Date: 7-15-96

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-15-96	FMR-025	R. TRANGAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 126 128	DETECTOR I.D. 133007
EFFICIENCIES: α .277% $\beta\gamma$ .239%	MDA: α 5 Dpm $\beta\gamma$ 194 Dpm
PERFORMED BY:	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ µCi
α BACKGROUND: 0.1 cpm	$\beta\gamma$ BACKGROUND: 55 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS $\beta\gamma$	NET COUNTS α	NET COUNTS $\beta\gamma$	ACTIVITY α	ACTIVITY $\beta\gamma$
A-5-1 EAST WALL	~~0~~	49	-.1	-6	<MDA	<MDA
A-5-2 Bldg 3192	~~0~~	52	-.1	-3		
A-5-3 Foyer	~~0~~	42	-.1	-13		
B-5-1	~~0~~	69	-.1	14		
B-5-2	~~0~~	46	-.1	-9		
B-5-3	~~0~~	60	-.1	5		
C-5-1	1	55	.9	~~0~~		
C-5-2	~~0~~	54	-.1	-1		
C-5-3	~~0~~	51	-.1	-4		
D-5-1	~~0~~	47	-.1	-8		
D-5-2	~~0~~	49	-.1	-6		
D-5-3	~~0~~	69	-.1	14		
E-5-1	~~0~~	44	-.1	-11		
E-5-2	~~0~~	49	-.1	-6		
E-5-3	1	63	.9	8		
BLANK	~~0~~	57	-.1	2	<MDA	<MDA

Remarks:

Reviewed By: _____ Date: _____

SMEAR COUNTING ANALYSIS REPORT

JBC 11/19/96

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-15-96	FMR-~~024~~ 025	R. THOMAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 99045	DETECTOR I.D. 098325
EFFICIENCIES: α .278 % βγ .153 %	MDA: α 121 dpm βγ 223 dpm
PERFORMED BY: D CORBETT	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 0.5 cpm	βγ BACKGROUND: 54 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
A- 6-1 EAST WALL	~~0~~	67	-.5	13	<MDA	<MDA
A- 6-2 Bldg 3192	~~0~~	65	-.5	11		
A- 6-3 Foyer	~~0~~	60	-.5	6		
B- 6-1	1	57	.5	3		
B- 6-2	1	68	.5	14		
B- 6-3	~~0~~	62	-.5	8		
C- 6-1	~~0~~	79	-.5	25		
C- 6-2	~~0~~	67	-.5	13		
C- 6-3	~~0~~	61	-.5	7		
D- 6-1	~~0~~	60	-.5	6		
D- 6-2	~~0~~	62	-.5	8		
D- 6-3	~~0~~	50	-.5	-4		
E- 6-1	~~0~~	58	-.5	4		
E- 6-2	1	77	.5	23		
E- 6-3	1	74	.5	20		
BLANK	~~0~~	52	-.5	-2	<MDA	<MDA

Remarks:

Reviewed By: RSW

Date: 7-15-96

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-15-96	FMR-025	RTRANGAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 126128	DETECTOR I.D. 133007
EFFICIENCIES: α .277 $\beta\gamma$ .239	MDA: α 5 DPM $\beta\gamma$ 154 DPM
PERFORMED BY: D CORBETT	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ~~☒~~ dpm ☐ μCi
α BACKGROUND: 0.1 cpm	$\beta\gamma$ BACKGROUND: 55 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS $\beta\gamma$	NET COUNTS α	NET COUNTS $\beta\gamma$	ACTIVITY α	ACTIVITY $\beta\gamma$
A-7-1 EAST WALL	~~0~~	45	-.1	-10	<MDA	<MDA
A-7-2 BLDG 3192	~~0~~	58	-.1	3		
A-7-3 FOYER	~~0~~	57	-.1	2		
B-7-1	~~0~~	42	-.1	-13		
B-7-2	~~0~~	61	-.1	6		
B-7-3	~~0~~	62	-.1	7		
C-7-1	1	48	.9	-7		
C-7-2	~~0~~	62	-.1	7		
C-7-3	~~0~~	44	-.1	-11		
d-7-1	~~0~~	54	-.1	-1		
d-7-2	~~0~~	48	-.1	-7		
d-7-3	~~0~~	51	-.1	-4		
E ~~B~~-7-1	~~0~~	55	-.1	~~0~~		
E-7-2	~~0~~	49	-.1	-6		
E-7-3	~~0~~	50	-.1	-5		
BLANK	~~0~~	58	-.1	3	<MDA	<MDA

Remarks:

Reviewed By: NSW

Date: 7-15-96

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-15-96	FMR2-025	R. TRANGAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 99045	DETECTOR I.D. 098325
EFFICIENCIES: α .278 % $\beta\gamma$ .153 %	MDA: α 121 dpm $\beta\gamma$ 223 dpm
PERFORMED BY: D Corbett	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ µCi
α BACKGROUND: 0.5 cpm	$\beta\gamma$ BACKGROUND: 54 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS $\beta\gamma$	NET COUNTS α	NET COUNTS $\beta\gamma$	ACTIVITY α	ACTIVITY $\beta\gamma$
A-8-1 EAST WALL	~~0~~	57	-.5	3	<MDA	<MDA
A-8-2 Bldg 3192	~~0~~	51	-.5	-3		
A-8-3 Foyer	~~0~~	61	-.5	7		
B-8-1	1	53	.5	-1		
B-8-2	~~0~~	56	-.5	2		
B-8-3	~~0~~	55	-.5	1		
C-8-1	~~0~~	69	-.5	15		
C-8-2	~~0~~	58	-.5	4		
C-8-3	~~0~~	59	-.5	5		
D-8-1	~~0~~	54	-.5	4		
D-8-2	~~0~~	64	-.5	10		
D-8-3	~~0~~	62	-.5	8		
E-8-1	1	63	.5	9		
E-8-2	~~0~~	54	-.5	~~0~~		
E-8-3	~~0~~	60	-.5	6		
BLANK	~~0~~	64	-.5	10	<MDA	<MDA

Remarks:

Reviewed By: NSW

Date: 7-15-96

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-15-96	FMR-025	R Tenyo

COUNTING SYSTEM DATA

INSTRUMENT I.D. 126 133	DETECTOR I.D. 133007
EFFICIENCIES: α .277 βγ .239	MDA: α 5Dpm βγ 144Dpm
PERFORMED BY: D CORBETT	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ μCi
α BACKGROUND: 0.1 cpm	βγ BACKGROUND: 55 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
A-9-1 Bldg 3192	~~0~~	47	-1	-8	<MDA	<MDA
A-9-2 East wall	~~0~~	52	-1	-3		
A-9-3 Foyer	~~0~~	44	-1	-11		
B-9-1	~~0~~	58	-1	3		
B-9-2	0	51	-1	-4		
B-9-3	1	51	.9	-4		
C-9-1	~~0~~	51	-.1	-4		
C-9-2	~~0~~	50	-.1	-5		
C-9-3	~~0~~	41	-.1	-14		
D-9-1	~~0~~	52	-.1	-3		
D-9-2	~~0~~	48	-.1	-7		
D-9-3	~~0~~	55	-.1	~~0~~		
E-9-1	~~0~~	56	-.1	1		
E-9-2	~~0~~	62	-.1	7		
E-9-3	~~0~~	48	-.1	-7		
BLANK	~~0~~	60	-.1	5	<MDA	<MDA

Remarks:

Reviewed By: NSW

Date: 7-15-96

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-15-96	fma2-025	R. TRANDAS

COUNTING SYSTEM DATA

INSTRUMENT I.D. 99045	DETECTOR I.D. 098325
EFFICIENCIES: α .278 % $\beta\gamma$ .153 %	MDA: α 121 dpm $\beta\gamma$ 223 Dpm
PERFORMED BY: DORBETT	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ µCi
α BACKGROUND: 0.5 cpm	$\beta\gamma$ BACKGROUND: 54 cpm

SAMPLE I.D. OR DESCRIPTION	GROSS COUNTS α	GROSS COUNTS $\beta\gamma$	NET COUNTS α	NET COUNTS $\beta\gamma$	ACTIVITY α	ACTIVITY $\beta\gamma$
A-10-1 EAST WALL	~~0~~	48	-.5	-6	<MDA	<MDA
A-10-2 Bldg 3192	2	58	1.5	4		
A-10-3 Foyer	1	67	.5	13		
B-10-1	~~0~~	61	-.5	7		
B-10-2	~~0~~	55	-.5	1		
B-10-3	1	60	.5	5		
C-10-1	~~0~~	52	-.5	-2		
C-10-2	~~0~~	56	-.5	2		
C-10-C	1	49	.5	-5		
D-10-1	~~0~~	47	-.5	-7		
D-10-2	~~0~~	63	-.5	9		
D-10-3	~~0~~	62	-.5	8		
E-10-1	1	63	+.5	9		
F-10-2	2	71	1.5	17		
E-10-3	~~0~~	52	-.5	-2		
BLANK	~~0~~	52	-.5	-2	<MDA	<MDA

Remarks:

Reviewed By: NSW

Date: 7-15-96

RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-057

DATE: 7-25-96	INSTRUMENTATION USED				
TIME: 0930	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: Conrad Humphries/E Humphries	18	118294	20	300-600	11-8-96
LOCATION: BLDG 3192 Foyer Southwall	18	118295	20	300-600	11-8-96
REVIEWED BY: NSW	125	114316	N/A	10	11-9-96
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: Unconditional Release of BLDG 3192 in accordance with the standards of NRC Regulatory Guide 1.86

All smears = 100 cm^2

	1			2		
E	100	(A) (B) 16u2	60 (C)	100	(A) (B) 14u2	150 (C)
	150	(B)	60	100	(B)	100
D	(A)	14u2 40	(C) 40	(A)	12u2 40	(C) 40
	50	(B)	50	50	(B)	40
C	(A)	16u2 40	(C) 50	(A)	16u2 80	(C) 20
	50	(B)	60	40	(B)	50
B	(A)	16u2 60	(C) 60	(A)	14u2 50	(C) 20
	20	(B)	60	80	(B)	40
A	(A)	14u2 80	(C) 60	(A)	12u2 40	(C) 60

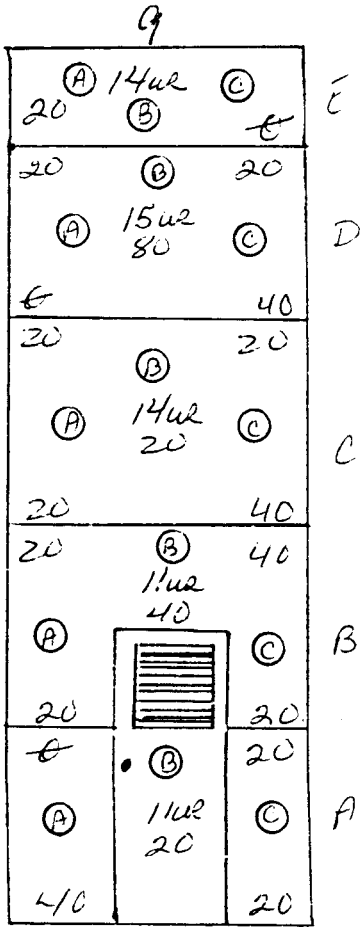
RADIOLOGICAL SURVEY REPORT

ATGS #: FMR-057

DATE: 7-25-96	INSTRUMENTATION USED				
TIME: 1020	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
SURVEYOR: Cowan Humphrey/E Hompard	125	114316	N/A	10	11-6-96
LOCATION: BLDG 3192 Foyer southwall	18	118294	20	200	11-8-96
REVIEWED BY: NSW	18	118295	20	200	11-8-96
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: Unconditional Release of BLDG 3192 in accordance with the standards of NRC Regulatory Guide 1.86

ALL Smears = 100 cm²



SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-29-96	FMR057	R. ~~Trevino~~ K Corbett

COUNTING SYSTEM DATA

INSTRUMENT I.D. 99045	DETECTOR I.D. 098325
EFFICIENCIES: α .260 % βγ .149 %	MDA: α 10 DPM βγ 234 Dpm
PERFORMED BY: C. Humphres	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ µCi
α BACKGROUND: 0.3 cpm	βγ BACKGROUND: 56 cpm

SAMPLE I.D. OR DESCRIPTION		GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
BLDG 3192	A-1-A	0	68	-.3	12	<MDA	<MDA
FOYER	A-1-B	0	56	-.3	0		
South WALL	A-1-C	2	75	2	20		
	A-2-A	0	62	-.3	6		
	A-2-B	0	60	-.3	4		
	A-2-C	1	68	.7	2		
	B-1-A	0	51	-.3	-5		
	B-1-B	0	50		-6		
	B-1-C	0	59		3		
	BLANK	0	49		-7		
	B-2-A	0	63		7		
	B-2-B	0	55		-1		
	B-2-C	0	56		0		
	C-1-A	0	71		16		
	C-1-B	0	51		~~-4~~ -5		
	C-1-C	0	50		-6		
	C-2-A	0	55		-1		
	C-2-B	0	56		0		
	C-2 C	0	52		-4		
↓	BLANK	0	64	↓	8	↓	↓

Remarks: Smears taken 7-25-96

Reviewed By: NSW

Date: 7-29-96

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-29-96	FMR 057	~~R. Trevino~~ K Conder

COUNTING SYSTEM DATA

INSTRUMENT I.D. 99045	DETECTOR I.D. 098325
EFFICIENCIES: α .260 % βγ .149 %	MDA: α 10 DPM βγ 234 Dpm
PERFORMED BY: C. Humphres	
SAMPLE COUNT TIME: 1 MIN	ACTIVITY REPORT IN: ☒ dpm ☐ µCi
α BACKGROUND: 0.3 cpm	βγ BACKGROUND: 56 cpm

SAMPLE I.D. OR DESCRIPTION		GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
FOYER	D-1-A	0	49	-.3	-7	<MDA	<MDA
SOUTH	D-1-B	1	52	.7	-4		
WALL	D-1-C	0	40	-.3	-16		
	D-2-A	0	62		7		
	D-2-B	0	57		1		
	D-2-C	0	62		7		
	E-1-A	0	49		-6		
	E-1-B	0	56		0		
	E-1-C	0	61		5		
	BLANK	0	48		-7		
	E-2-A	0	72		16		
	E-2-B	0	57		1		
	E-2-C	1	46	.7	-10		
	A-9-A	1	57	.7	1		
	A-9-B	0	58	-.3	2		
	A-9C	0	60		4		
	B-9-A	0	61		5		
	B-9-B	0	59		3		
	B-9-C	0	55		-1		
	BLANK	0	50		-6		

Remarks:

Reviewed By: NSH

Date: 7-29-96

SMEAR COUNTING ANALYSIS REPORT

DATE:	ATGS#:	ANALYSIS PERFORMED BY:
7-29-96	FMR057	K Corbett

COUNTING SYSTEM DATA

INSTRUMENT I.D. 99045	DETECTOR I.D. 098325
EFFICIENCIES: α .260% βγ .149%	MDA: α 10 DPM βγ 234 DPM
PERFORMED BY: C. Humphres	
SAMPLE COUNT TIME: 1 min	ACTIVITY REPORT IN: ☑ dpm ☐ μCi
α BACKGROUND: .3 cpm	βγ BACKGROUND: 56 cpm

SAMPLE I.D. OR DESCRIPTION		GROSS COUNTS α	GROSS COUNTS βγ	NET COUNTS α	NET COUNTS βγ	ACTIVITY α	ACTIVITY βγ
FOYER	C-9-A	0	50	-.3	-6	< MDA	< MDA
SOUTH	C-9-13	0	61		5		
WALL	C-9-C	0	64		8		
	D-9-A	0	73		17		
	D-9-B	0	44		-12		
	D-9-C	0	71		15		
	E-9.A	0	68		12		
	E-9-B	0	63		13		
	E-9-C	0	64		8		
	BLANK	0	56		0		

A

N

Remarks:

Reviewed By: NSW

Date: 7-29-96

RADIOLOGICAL SURVEY REPORT

PAGE 1

ATGS #: FMR 034

	INSTRUMENTATION USED				
DATE: 7-25-96	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
TIME: 1400					
SURVEYOR: C. Humphries/D. Goldston (E HUMPHRES)	18	118294	20	360-600	11-8-96
LOCATION: BLDG 3192 Foyer North Wall	18	118295	20	360-600	11-8-96
REVIEWED BY: NSW	19	111280	N/A	9-23	9-25-96
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: Unconditional Release of BLDG 3192 in accordance with the standards of NRC Regulatory Guide 1.86

All Smears = 100 cm²

	4	3	2	1
E	(A) 15ur 80 (C) 80 (B) 100	(A) 16ur 20 (C) 60 (B) 80	(A) 16ur 120 (C) 100 (B) 20	(A) 16ur 20 (C) 40 (B) 60
	40 (B) 60	80 (B) 40	40 (B) 40	20 (B) 60
D	(A) 14ur 40 (C) 20 200	(A) 14ur 40 (C) 60 200	(A) 14ur 40 (C) 60 ~~0~~	(A) 16ur 100 (C) 80 140
	40 (B) 100	180 (B) 100	100 (B) 80	60 (B) 60
C	(A) 14ur 100 (C) ~~0~~ 20	(A) 17ur 60 (C) ~~0~~ 40	(A) 16ur 40 (C) 80 20	(A) 20ur 60 (C) 40 80
	~~0~~ (B) 20	40 (B) 20	40 20	80 (B) 100
B	(A) 13ur ~~0~~ (C) ~~0~~ 80	(A) 17ur ~~0~~ (C) 100 ~~0~~	(A) 17ur 40 (B) ~~0~~ (C) ~~0~~	(A) 18ur ~~0~~ (C) 20 80
	20 (B) 20	40 (B) 20	~~0~~ (B) 20	~~0~~ (B) 40
A	(A) 15ur ~~0~~ (C) 20 80	(A) 21ur 200 (C) 40 100	(A) 16ur ~~0~~ (C) 140 200	(A) 18ur 40 (C) 100 100

Remarks: Grid E - Bottom half shown on this survey map are on the Cement WALL - Top half on aluminum wall are shown on page 3

RADIOLOGICAL SURVEY REPORT

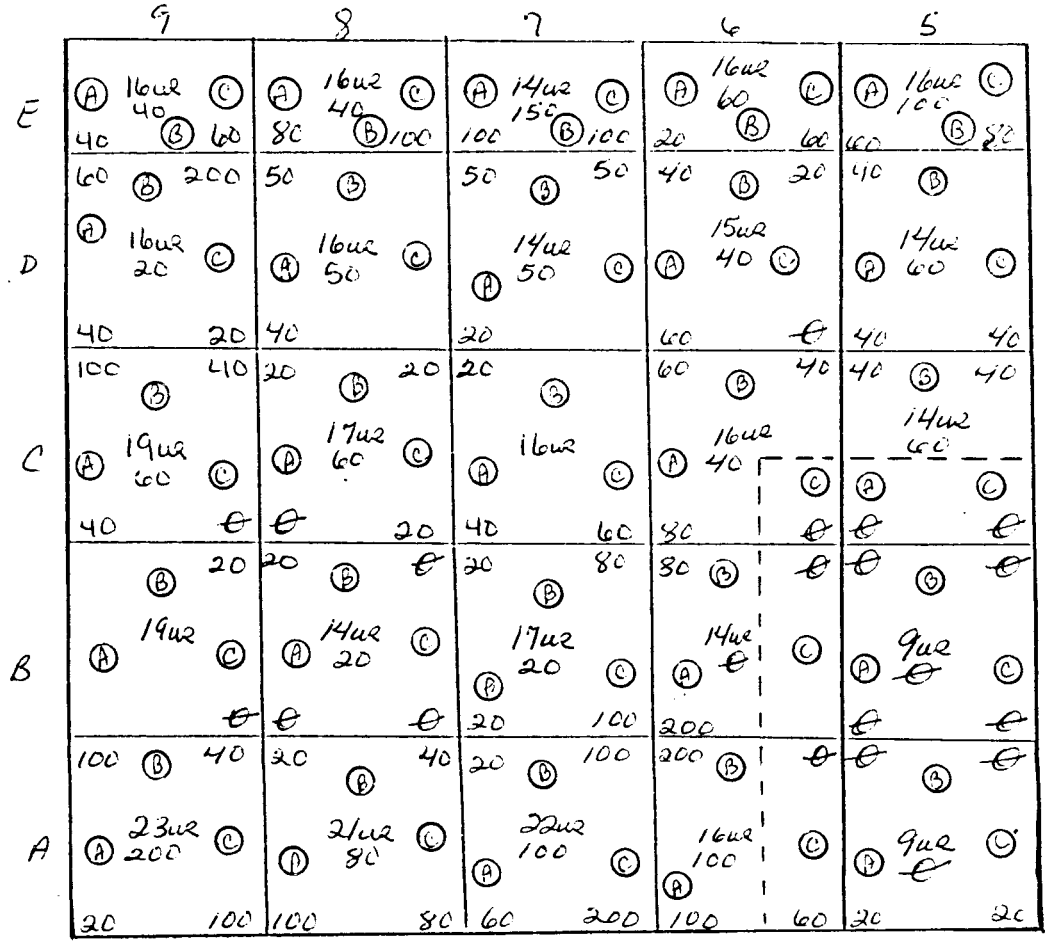
ATGS #: FMR 034

	INSTRUMENTATION USED				
DATE: 7-23-96	MODEL	SERIAL #	EFF.%	BKGRD	CAL. DUE DATE
TIME: 11:15					
SURVEYOR: D. Goldston / C. Humphries / E. HumPARES	18	118294 118295	20	360-600	11-8-96
LOCATION: BLDG 3192 Foyer Northwall	19	111280	NA ~~NA~~	CH 9-23	9-25-96
REVIEWED BY: NSW					
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: Unconditional Release of BLDG 3192 in accordance with the standards of NRC Regulatory Guide 1.86

GRID E - Bottom half shown on this survey map are on the cement w
Top half on aluminum wall are shown on page 3

	9	8	7	6	5
E	(A) 16uR 40 (C) 40 (B) 60	(A) 16uR 40 (C) 80 (B) 100	(A) 14uR 150 (C) 100 (B) 100	(A) 16uR 60 (C) 20 (B) 60	(A) 16uR 100 (C) 60 (B) 80
	60 (B) 200	50 (B)	50 (B) 50	40 (B) 20	40 (B)
D	(A) 16uR 20 (C) 40 20	(A) 16uR 50 (C) 40	(A) 14uR 50 (C) 20	(A) 15uR 40 (C) 60 ~~0~~	(A) 14uR 60 (C) 40 40
	100 (B) 40	20 (B) 20	20 (B)	60 (B) 40	40 (B) 40
C	(A) 19uR 60 (C) 40 ~~0~~	(A) 17uR 60 (C) ~~0~~ 20	(A) 16uR (C) 40 60	(A) 16uR 40 (C) 80 ~~0~~	(A) 14uR 60 (C) ~~0~~ ~~0~~
	(B) 20	20 (B) ~~0~~	20 (B) 80	80 (B) ~~0~~	~~0~~ (B) ~~0~~
B	(A) 19uR (C) ~~0~~	(A) 14uR 20 (C) ~~0~~ ~~0~~	(A) 17uR 20 (C) 20 100	(A) 14uR ~~0~~ (C) 200	(A) 9uR ~~0~~ (C) ~~0~~ ~~0~~
	100 (B) 40	20 (B) 40	20 (B) 100	200 (B) ~~0~~	~~0~~ (B) ~~0~~
A	(A) 23uR 200 (C) 20 100	(A) 21uR 80 (C) 100 80	(A) 22uR 100 (C) 60 200	(A) 16uR 100 (C) 100 60	(A) 9uR ~~0~~ (C) 20 20

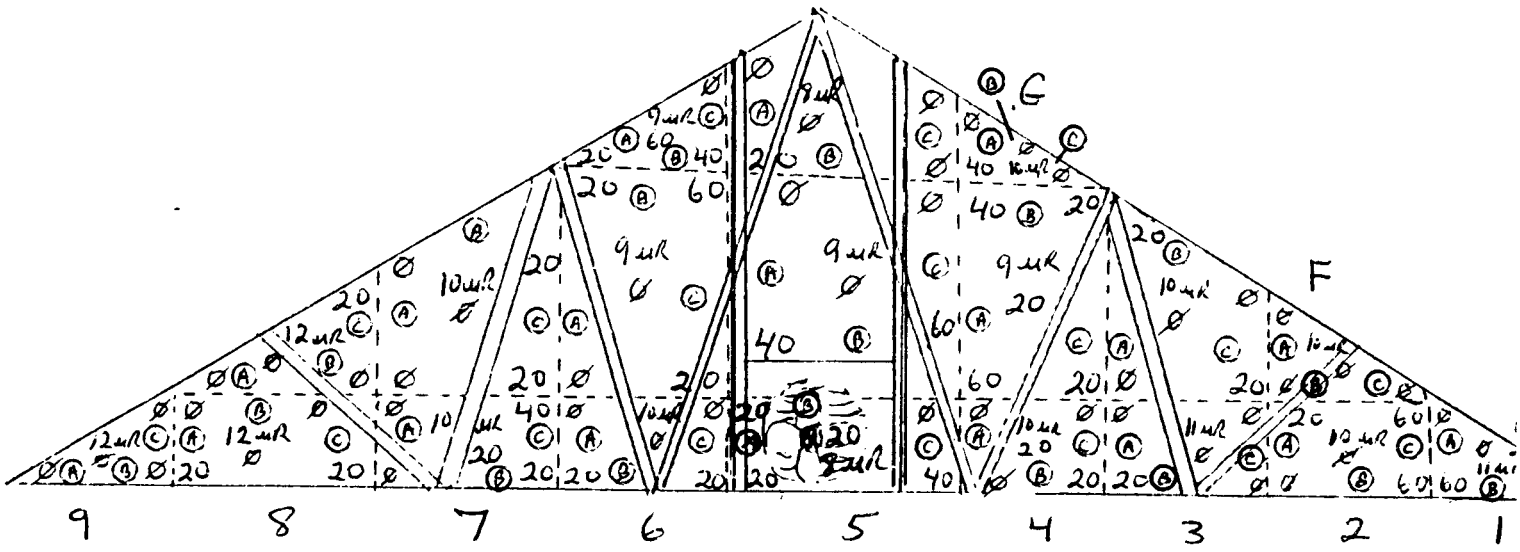


Remarks: ---- Indicate's door entrance to BLDG. 3192

All Smears = 100 cm²

RADIOLOGICAL SURVEY REPORT

ATGS #: FMR- 034

	INSTRUMENTATION USED				
DATE: 7-26-96	MODEL	SERIAL #	EFF.%	BKGRD	CAL. I
TIME: 0700					
SURVEYOR: D. Goldston/C. Humphries	18	118294	20	200-400	11-8-9
LOCATION: BLDG 3192 FOYER - North WALL Grids E, F, & G	12S ~~19~~	114316	NA	8	11-9-9
REVIEWED BY: NSW	18	118295	20	200-400	11-8-9
Smear Locations Circled. Dose Rates = microR/hr (μR/hr)					

PURPOSE OF SURVEY: Unconditional Release of Bldg 3192 in accordance with the standards of NRC Regulatory Guide 1.86 - ALL SMEARS TAKEN 100 cm²