

040-03296

SPRAGUE ELECTRIC COMPANY

DECOMMISSIONING REPORT
PIEZOELECTRIC CERAMIC MANUFACTURING FACILITY

U.S. NRC LICENSE NUMBER SUB-778
NORTH ADAMS, MASSACHUSETTS

December, 1989

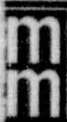
APPENDIX A1 - VOLUME 1

170050

prepared by:

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111949



HMM ASSOCIATES, INC.

ENGINEERS, ENVIRONMENTAL CONSULTANTS & PLANNERS

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DECOMMISSIONING REPORT
FOR THE
SPRAGUE ELECTRIC COMPANY
PIEZOELECTRIC CERAMIC MANUFACTURING FACILITY
NORTH ADAMS, MASSACHUSETTS

APPENDIX A1

PHASE I RELEASE DOCUMENTATION

APPENDIX A1

TABLE OF CONTENTS

VOLUME 1

PHASE I MANUFACTURING AND ANCILLARY AREA SURVEY RESULTS

- A) Manufacturing Room
- B) Kiln Room, Kiln Storage Room, and Harperizer
- C) Chemistry Lab, Paint Cleaning Room, Paint Room and Annex
- D) East-West, North-South, and Manufacturing Room Passage and Foyer

VOLUME 2

PHASE I MANUFACTURING AND ANCILLARY AREA SURVEY RESULTS (cont.)

- E) Janitorial Cleanup Areas
- F) Equipment and Miscellaneous Materials
- G) Waste Inventory Record

PHASE I PROCEDURES AND PLANS

APPENDIX A1

VOLUME 1

TABLE OF CONTENTS

PHASE I MANUFACTURING AND ANCILLARY AREA SURVEY RESULTS

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APPENDIX A1

VOLUME 1

PHASE I MANUFACTURING AND
ANCILLARY AREA SURVEY RESULTS

A) Manufacturing Room

NOTES TO SURVEY DATA.

Additional instruments used to perform the direct contamination survey that may not have been included on the first page of the survey.

<u>INSTRUMENT</u>	<u>SERIAL #</u>	<u>CAL. DUE DATE</u>	<u>TYPE</u>
E-120	9113	8-2-89	BETA/GAMMA
E-120	9146	8-2-89	BETA/GAMMA
L-3	46921	8-2-89	BETA/GAMMA
L-3	49892	8-2-89	BETA/GAMMA
L-3	50150	8-12-89	BETA/GAMMA
L-3	49795	8-12-89	BETA/GAMMA
L-3	46966	2-2-89	BETA/GAMMA
L-2	50144	8-2-89	ALPHA
L-2	52093	8-2-89	ALPHA
L-2	52068	8-2-89	ALPHA
L-2	52061	8-12-89	ALPHA
L-3	38656	9-6-89	ALPHA

All instruments were response checked each day of use. An individual correction factor was calculated for instrument and applied when performing the fixed contamination survey.

Part of the package contains survey information on the pipes near and along the ceiling area. The pipes were grouped according to the ceiling area they are located in. The pipe survey labels correspond to the same areas as the ceiling survey. ie: ceiling location: ccl
pipe location: xx1

Each pipe was labeled starting with the letter "A", and continue upward through the alphabet until all pipes in the designated area have been labeled.

biscraft
northeast

Radiological Control Survey Record

NO. _____ Page 1 of 2

DATE

1-11-89

TIME

1340LOCATION: Manufacturing RoomREASON FOR SPECIAL SURVEY: Release ForGeneral Access☐ ROUTINE☒ SPECIAL

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	γ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
1	Ceiling CC1 A			920	0	17	0
2	B			1380	0	57	2.1
3	C			1150	0	71	0
4	CC2 A			460	0	78	0
5	B			690	0	108	2.1
6	C			230	0	78	0
7	CC3 A			460	0	78	0
8	B			690	0	68	2.1
9	C			690	0	64	0
10	CC4 A			460	0	81	0
11	B			460	0	47	0
12	C			690	0	78	0
13	CC5 A			460	0	61	2.1
14	B			460	0	68	0
15	C			690	0	51	0
16	CC6 A			690	0	61	0
17	B			460	0	54	2.1
18	C			690	0	54	0

RADIATION SURVEY			$\beta + \gamma$ CONTAMINATION SURVEY		α CONTAMINATION SURVEY	
INST.	<u>E-120</u>	<u>L-2</u>	<u>L-19</u>	INST. <u>C-2100</u>	INST/PROBE <u>C-2100</u>	
S/N	<u>9113</u>	<u>52068</u>	<u>32871</u>	S/N <u>N/A</u>	S/N <u>N/A</u>	
CAL DUE DATE	<u>8-2-89</u>	<u>8-12-89</u>	<u>8-16-89</u>	CAL DUE DATE <u>9-7-87</u>	CAL DUE DATE <u>9-7-89</u>	
C.F.	<u>21</u>	<u>5.7</u>	<u>0.56-4.54ppm</u>	EFF <u>0.295</u>	EFF <u>0.316</u>	
			BKG <u>1.89cpm</u>	BKG <u>0.33cpm</u>		
REMARKS:					AIR SAMPLE DATA	
					<u>3.03E-12 dpm/l</u>	
					<u>4.9E-12 dpm/l</u>	

Surveyor (print name) M. Johnston, G. Monahan, D. JohnstonSurveyor (signature) Original Survey with Signatures on File with BiscraftReviewed by [Signature]Date 2-5-89



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Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²
CC7	A CEILING			920	0	58	0
	B			690	0	64	0
	C			1150	0	58	0
CC8	A			0	0	81	2.1
	B			0	0	64	0
	C			0	0	54	5.2
CC9	A			0	0	54	0
	B			0	0	61	0
	C			210	0	34	2.1
CC10	A			690	0	44	0
	B			460	0	34	2.1
	C			690	0	24	0
CC11	A			920	0	34	2.1
	B			1150	0	34	0
	C			1150	0	27	0
CC12	A			690	0	30	2.1
	B			460	0	51	5.2
	C			460	0	47	8.4
CC13	A			460	0	71	11
	B			920	0	24	0
	C			920	0	27	0
CC14	A			460	0	27	5.2
	B			460	0	51	5.2
	C			690	0	71	5.2
CC15	A			0	0	54	2.1
	B			0	0	37	2.1
	C			210	0	37	2.1
CC16	A			0	0	54	2.1
	B			420	0	41	2.1
	C			210	0	54	8.4

Surveyor (print name) D. JOHNSTON / M. JOHNSTON / G. MARCHESE

Surveyor (signature) *[Signature]*Reviewed by *[Signature]*

Date 12-20-88

Original - Survey File, Canam - Field Ops. - Pink - Job Site

A0001747 8/88



proto-power/blesco nuclear, inc.

Radiological Control Survey Record
Continuation SheetPage 3 of 23
NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²
CC17	A CEILING			210	0	64	2.4
	B			210	0	44	0
	C			0	0	37	0
CC18	A			420	0	37	0
	B			630	0	34	2.1
	C			210	0	30	2.1
CC19	A			630	0	30	2.1
	B			420	0	27	0
	C			630	0	27	0
CC20	A			420	0	20	0
	B			0	0	10	0
	C			0	0	20	2.1
CC21	A			0	0	20	0
	B			0	0	24	5.2
	C			630	0	20	2.1
CC22	A			0	0	10	0
	B			210	0	17	2.1
	C			420	0	10	2.1
CC23	A			0	0	24	0
	B			0	0	27	0
	C			630	0	17	0
CC24	A			0	0	24	2.1
	B			0	0	13	0
	C			0	0	17	0
CC25	A			0	0	10	5.2
	B			210	0	10	0
	C			0	0	3.7	0
CC26	A			0	0	10	0
	B			630	0	17	0
	C			0	0	17	5.2

Surveyor (print name) G. MARCHESI / D. JOHNSTON / M. JOHNSTONSurveyor (signature) [Signature]Reviewed by [Signature]Date 1-20-88



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Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²
CC27A	CEILING			840	0	20	0
B				0	0	20	0
C				0	0	17	2.1
CC28A				0	0	17	2.1
B				0	0	17	2.1
C				0	0	34	5.2
CC29A				0	0	13	0
B				0	0	.37	0
C				0	0	2.1	2.1
CC30A				0	0	13	0
B				0	0	.37	0
C				210	0	10	0
CC31A				0	0	10	2.1
B				0	0	7.1	2.1
C				0	0	10	0
CC32A				0	0	10	0
B				210	0	27	2.1
C				0	0	37	5.2
XX1A	PIPING			460	0	35	0
B				460	0	11	0
C				1610	0	24	0
D				1840	0	24	6.0
E				230	0	31	6.0
F				460	0	7.8	6.0
G				230	57	31	15
H				690	0	48	2.8
XX2A				1380	0	58	18
B				920	0	45	6.0
C				460	0	11	9.1
D				230	0	55	6.0
E				230	0	28	2.8

Surveyor (print name) M. JOHNSON / E. MARQUESS / D. JOHNSONSurveyor (signature) [Signature] D. Johnston Reviewed by [Signature] Date 12-30-88



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Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	$\beta+\gamma$ dpm/100cm ²	α dpm/100cm ²	$\beta+\gamma$ dpm/100cm ²	α dpm/100cm ²
XX3 F	PIPING			460	57	89	2.8
G				690	0	34	6.0
H				460	0	11	2.8
XX3 A				460	0	35	0
B				230	0	51	6.0
C				460	0	38	9.1
D				920	0	4.5	2.8
E				690	0	14	2.8
F				1150	50	24	2.8
G				1150	0	14	0
H				920	0	38	6.0
I				920	0	58	9.1
J				690	0	38	9.1
XX4 A				690	0	21	2.8
B				460	0	45	2.8
C				1150	0	24	6.0
D				690	0	153	18
E				690	0	21	0
F				460	0	0	0
G				1150	0	7.8	6.0
H				920	0	21	9.1
XX5 A				460	0	112	12
B				690	0	1.1	0
C				690	0	11	2.8
D				460	0	0	9.1
E				920	0	1.1	0
F				690	0	31	0
G				1150	0	1.1	0
H				690	0	24	6.0
I				460	0	11	6.0
J				460	0	1.1	2.8

Surveyor (print name) D. JOHNSTON / M. JOHNSTON / G. MARCHESISurveyor (signature) [Signature]Reviewed by [Signature]Date 12-20-88



proto-powerblanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²
xx6	A PIPING			920	0	41	2.8
	B			690	0	0	6.0
	C			690	0	4.5	0
	D			1150	0	21	6.0
xx7	A			690	0	0	6.0
	B			460	0	31	2.8
	C			920	0	18	0
	D			920	0	25	7.1
	E			690	0	18	6.0
xx8	A			0	0	4.5	0
	B			0	0	11	0
	C			1050	0	0	2.8
	D			210	0	1.1	2.8
	E			0	0	4.5	0
	F			0	0	4.5	0
	G			0	0	1.1	0
	H			0	0	11	0
	I			0	0	0	6.0
	J			210	0	11	6.0
	K			0	0	0	0
	L			0	0	14	0
	M			0	0	0	0
xx9	A			420	57	38	0
	B			840	0	0	2.8
	C			0	0	7.9	2.8
	D			0	0	4.5	0
	E			0	0	14	6.0
	F			0	0	11	2.8
	G			210	57	0	6.0
	H			0	0	1.0	6.0
	I			210	57	0	6.0

Surveyor (print name) EMARCHESE / D. JOHNSTON / M. JOHNSTONSurveyor (signature) [Signature]Reviewed by [Signature] Date 12-20-88

Original - Survey File, Canary - Field Ops, Pink - Lab Site

A0001747 8/88



proto-powerbliss nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²
xx9 J	PIPING			0	0	4.5	0
K				0	57	18	2.8
xx10 A				230	0	4.5	2.8
B				460	0	21	6.0
C				690	0	7.9	0
D				690	0	28	2.8
E				230	0	24	2.8
F				690	0	95	15
G				460	0	21	2.8
H				690	0	35	0
I				690	0	14	0
J				460	0	4.5	2.8
K				690	0	4.5	0
L				690	0	0	0
M			MA	920	0	1.1	2.8
N				690	0	41	2.8
xx11 A				1150	0	0	2.8
B				1840	0	21	2.8
C				1380	0	1.1	2.8
D				1150	0	11	2.8
E				690	0	38	2.8
F				1150	0	55	6.0
G				1150	0	177	15
H				690	0	38	2.8
I				690	0	14	2.8
J				930	0	4.5	2.8
K				930	0	31	9.1
L				460	0	0	0
M				690	0	11	6.0
N				690	0	28	2.8
O				460	0	11	2.8

Surveyor (print name) M. JOHNSTON / G. MARNESE / D. JOHNSTON

Surveyor (signature) [Signature]

Reviewed by [Signature]

Date 12-20-88

Original - Survey File, Canary, Field Ops, Pink - Job Site

A0001747 8/88



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	$\beta+\gamma$ dpm/100cm ²	$\beta+\alpha$ dpm/100cm ²	$\beta+\gamma$ dpm/100cm ²	α dpm/100cm ²
xx11	P PIPING			920	0	4.5	2.8
	Q			690	0	92	9.1
	R			690	0	1.0	6.0
xx12	A			460	0	72	2.8
	B			230	0	28	0
	C			460	0	7.9	2.8
	D			460	0	4.5	2.8
	E			690	0	34	6.0
	F			690	0	123	12
	G			460	0	62	6.0
	H			690	0	21	2.8
	I			460	0	35	2.8
	J			460	0	21	0
	K			690	0	7.9	0
	L			920	0	11	6.0
	M			690	0	0	0
	N			690	0	34	9.1
	O			690	0	4.4	6.0
	P			460	0	7.9	2.8
xx13	A			1150	0	35	0
	B			690	0	14	0
	C			690	0	65	12
	D			1150	0	7.9	2.8
	E			920	0	38	6.0
	F			920	0	31	9.1
	G			1150	0	14	6.0
	H			1150	0	62	9.1
	I			920	0	55	9.1
	J			920	0	0	2.8
	K			690	0	11	2.8
	L			920	0	14	0

Surveyor (print name) D. JOHNSTON / M. JOHNSTON / S. MARCHESESurveyor (signature) [Signature]Reviewed by [Signature]Date 12-20-88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²
XX12	M PIPING			690	0	31	6.0
	N			920	0	31	9.1
	O			920	0	4.4	9.1
	P			1150	0	1.1	0
XX14	A			920	0	11	9.1
	B			690	0	11	2.8
	C			690	0	7.9	0
	D			920	0	18	0
	E			920	0	7.9	0
	F			690	0	21	2.8
	G			690	0	31	6.0
	H			920	0	41	6.0
	I			920	0	28	0
	J			460	0	14	6.0
	K			920	0	21	2.8
	L		NA	1380	0	24	2.8
	M			1150	0	7.8	9.1
	N			1380	0	21	2.8
	O			920	0	7.8	6.0
	P			1150	0	32	0
XX15	A			630 1150	0	72	12
	B			420 1150	0	58	9.1
	C			0	0	34	6.0
	D			840	0	31	2.8
	E			1050	0	41	12
XX16	A			0	0	18	6.0
	B			0	0	18	6.0
	C			210	0	21	2.8
	D			630	0	62	6.0
XX17	A			210	0	68	2.8
	B			840	0	24	2.8

Surveyor (print name) C. MARCHESE / D. JOHNSON / M. JOHNSON

Surveyor (signature)

Reviewed by

Date 12-20-88



proto-powerblisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²
xx17	C PIPING			0	0	21	2.8
	D			0	0	11	0
	E			630	0	14	6.6
	F			0	0	21	6.6
	G			0	0	31	2.8
	H			630	0	7.9	2.8
	I			420	0	14	2.8
	J			840	0	48	9.1
xx18	A			1050	0	1.0	6.6
	B			1050	0	31	2.8
	C			840	0	7.8	6.6
	D			630	0	72	9.1
	E			210	0	0	2.8
	F			210	0	24	0
	G			210	0	11	6.6
	H			0	0	58	2.8
	I			210	0	18	0
	J			1050	0	18	6.6
	K			630	0	0	0
xx19	A			1260	0	24	9.1
	B			1050	0	41	9.1
	C			420	0	14	2.8
	D			630	0	0	2.8
	E			210	0	4.4	6.6
	F			210	0	14	1.8
	G			840	0	41	2.8
	H			0	0	48	6.6
	I			0	0	75	9.1
	J			1470	0	45	9.1
	K			1680	0	0	0
	L			1050	0	58	2.8

Surveyor (print name) M. JOHNSTON / F. MARCHESI / D. JOHNSTONSurveyor (signature) [Signature]Reviewed by [Signature]Date 12-20-88



proto-power/bioco nuclear, inc.

Radiological Control Survey Record
Continuation SheetPage 11 of 73
NO

Rev 0

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²
xx20	A PIPING			0	0	1.1	0
	B			210	0	11	12
	C			0	0	0	0
	D			0	0	14	0
	E			0	0	14	0
	F			0	0	24	0
	G			420	0	1.1	0
	H			0	0	31	12
	I			0	0	92	9.1
	J			0	0	1.1	0
	K			1050	0	55	2.8
	L			0	0	14	9.1
xx21	A			0	0	0	6.0
	B			0	0	7.8	6.0
	C			0	0	4.4	6.0
	D			0	0	7.9	28
	E			0	0	31	15
	F			1470	0	0	6.0
	G			0	0	7.7	18
	H			630	0	14	2.8
xx22	A			0	0	4.4	12
	B			0	0	0	6.0
	C			0	0	21	0
	D			210	0	1.1	0
	E			0	0	4.5	0
	F			0	0	4.5	0
xx23	A			0	0	0	0
	B			0	0	6.2	0
	C			420	0	1.1	0
	D			420	0	14	2.8
	E			0	0	4.5	0

Surveyor (print name) D. JOHNSON / M. JOHNSON / G. MARCHESESurveyor (signature) [Signature]Reviewed by [Signature] Date 12-20-88

Original - Survey File, Canada Field Ops. Pink - Job Site

A0001747 8/88



proto-power/blisco nuclear, inc.

Radiological Control Survey Record
Continuation SheetPage 12 of 23
NO

Rev 0

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	$\beta+\gamma$ dpm/100cm ²	α dpm/100cm ²	$\beta+\gamma$ dpm/100cm ²	α dpm/100cm ²
XX24	A PIPING			420	0	14	6.0
	B			210	0	16	2.8
	C			0	0	41	6.0
	D			0	0	14	0
	E			0	0	14	6.0
XX25	A			0	0	4.4	6.0
	B			0	0	72	9.1
	C			0	0	41	15
	D			0	0	177	15
	E			620	0	4.5	2.8
	F			0	0	62	6.0
XX26	A			210	0	24	0
	B			620	0	20	8.4
	C			840	0	30	5.2
	D			420	0	20	0
	E			210	0	54	0
	F			0	0	30	0
	G			420	0	51	8.4
	H			0	0	71	0
	I			0	0	30	0
	J			0	0	17	5.2
	K			0	0	37	0
	L			420	0	54	11
	M			420	0	81	5.2
	N			420	0	37	2.1
	O			210	0	17	2.1
	P			420	0	51	2.1
	Q			0	0	30	0
XX27	A			420	0	27	8.4
	B			0	0	20	0
	C			420	0	30	5.2

Surveyor (print name) F. MARCHESI / D. JOHNSTON / M. JOHNSTONSurveyor (signature) [Signature]Reviewed by [Signature]Date 12-20-88

Original - Survey File - Canary - Field Ops. - Pink - Lab Site

A0001747 B/BB



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
XX27	D PIPING			0	0	37	2.1
	E			0		17	2.1
	F			430		37	5.2
	G			630	0	54	11
	H			430	57	51	2.1
	I			0	0	34	2.1
XX28	A			0	0	68	5.2
	B			0	0	30	5.2
	C			210	0	27	8.4
	D			0	0	37	14
	E			0	0	102	2.1
	F			430	0	44	2.1
	G			210	57	20	0
	H			0	57	17	8.4
	I			0	0	27	8.4
XX29	A			0	0	47	0
	B			0	0	61	14
	C			430	0	13	2.1
	D			430	0	20	2.1
	E			0	0	47	5.2
	F			310	0	24	2.1
	G			0	0	27	0
	H			430	57	24	2.1
XX30	A			0	0	20	2.1
	B			0	0	17	0
	C			210	0	40	5.2
	D			0	0	44	0
	E			0	0	27	2.1
	F			0	0	2.1	0
XX31	A			1260	0	27	0
	B			1050	0	34	8.4

Surveyor (print name) M. JOHNSTON / E. MARCHESE / D. JOHNSTONSurveyor (signature) [Signature]Reviewed by [Signature]Date 12-2-18

Original - Survey File, Canary, Field Ops, Pink - Job Site

A0001747 8/86



proto-power/blaco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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 NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/yr	γ mR/yr	$\beta+\gamma$ dpm/100cm ²	$\beta+\gamma$ dpm/100cm ²	$\beta+\gamma$ dpm/100cm ²	$\beta+\gamma$ dpm/100cm ²
XX31	C PIPING			0	0	44	0
	D			0	0	20	2.1
	E			0	0	30	0
	F			0	0	13	0
XX32	A			210	0	37	2.1
	B			0	57	30	8.4
	C			0	0	57	14
	D			0	0	149	5.2
NW1	A UPPER-WALLS			0	0	24	2.1
	B			210	0	17	0
	C			840	0	74	21
NW2	A			840	0	91	8.4
	B			630	0	54	2.1
	C			420	0	30	5.2
NW3	A		NA	1050	0	47	2.1
	B			2100	0	64	2.1
	C			840	0	13	0
NW4	A			840	0	30	2.1
	B			840	0	37	2.1
	C			0	0	7.1	0
NW5	A			0	0	.35	2.1
	B			420	0	91	8.4
	C			630	0	68	8.4
NW6	A			1050	0	54	8.4
	B			1050	0	34	5.2
	C			0	0	71	5.2
NW7	A			1260	0	57	2.1
	B			1050	0	20	0
	C			1260	0	20	2.1

Surveyor (print name) D. JOHNSTON / M. JOHNSTON / G. MARCHESESurveyor (signature) [Signature]Reviewed by [Signature] Date 12-20-88



prote-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
511	A UPPER-WALLS			1150	0	20	2.1
	B			920	0	20	0
	C			920	0	13	0
512	A			210	0	7.1	0
	B			0	0	3.7	2.1
	C			0	0	3.7	0
513	A			630	0	17	2.1
	B			420	0	10	2.1
	C			630	0	7.0	5.2
514	A			630	0	13	0
	B			630	0	7.1	0
	C			420	0	17	0
515	A			840	0	44	2.1
	B			0	0	20	0
	C			630	0	7.1	0
51	A			1150	0	13	5.2
	B			1150	0	17	0
	C			1380	0	10	0
52	A			460	0	44	0
	B			1380	0	24	8.4
	C			460	0	35	2.1
53	A			920	0	10	0
	B			1150	0	7.0	5.2
	C			1150	0	149	2.1
54	A			690	0	30	0
	B			460	0	47	2.1
	C			690	0	24	2.1
55	A			460	0	20	2.1
	B			920	0	20	0
	C			920	0	40	11

Surveyor (print name) E. MARCHESI / D. JOHNSTON / M. JOHNSTONSurveyor (signature) [Signature]Reviewed by [Signature]Date 12-20-88

Original - Survey File, Canary - Field Ops, Pink - Job Site

A0001747 B/88



proto-power/blaze nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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 NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²
56A	UPPER WALLS			460	0	13	5.2
B				230	0	10	0
C				690	0	7.1	0
57A				690	0	.37	0
B				690	0	10	2.1
C				690	0	.37	0
58A	SOUTH WALL BOARDS			920	0	318	5.2
B				920	0	359	2.1
C				1150	0	440	11
59A				460	0	349	2.1
B				690	0	268	2.1
C				1150	57	169	5.2
5B3A				1150	0	149	2.1
B				1380	114	129	0
C				1150	0	168	2.1
5B4A				1150	0	125	5.2
B				920	57	58	0
C				690	50	47	2.1
5B5A				690	57	81	2.1
B				1150	0	47	2.1
C				1150	0	41	0
5B6A				690	0	41	0
B				920	0	17	0
C				920	57	17	2.1
5B7A				1150	50	10	0
B				690	0	3.7	2.1
C				690	57	10	2.1
61A	UPPER WALLS			920	0	13	0
B				920	0	17	8.4
C				1150	0	30	0

 Surveyor (print name) M. SOHNSTON / G. MARCHESE / D. JOHNSTON

 Surveyor (signature) [Signature]

 Reviewed by [Signature]

 Date 12-2-88

Original - Survey File, Canals, Field Ops, Pink - Job Site



proto-power/bioco nuclear, inc.

Radiological Control Survey Record
Continuation SheetPage 17 of 73
NO.[illegible]

Surveyor (print name) D. JOHNSTON / M. JOHNSTON / E. MARLHEBE

Surveyor (signature) D. Johnston

Reviewed by Lab 6

Date 12-26-88



proto-powerhouse nuclear, inc.

Radiological Control Survey Record
Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
A 1	H Lower Wall			1050	0	11	0
	D			180	45	21	6
	C			1680	0	28	2.8
A 2	A			630	0	34	0
	B			1050	77	38	0
	C			420	0	24	0
B 1	A			210	45	14	0
	B			0	0	18	6
	C			0	0	28	0
B 2	A			1470	0	28	0
	B			420	90	21	2.8
	C			630	0	31	2.8
C 1	A			0	0	41	2.8
	B			0	0	28	2.8
	C			210	0	21	9.1
C 2	A			840	0	35	2.8
	B			1470	45	41	2.8
	C			420	0	31	0
D 1	A			0	0	14	2.8
	B			0	0	18	6
	C			0	0	28	0
D 2	A			0	0	34	6
	B			420	0	39	2.8
	C			210	0	31	0
E 1	A			630	0	18	2.8
	B			1050	0	42	2.8
	C			420	45	35	2.8
E 2	A			1470	0	38	2.8
	B			120	0	18	2.8
	C			210	0	11	5

Surveyor (print name) M. Tabor R. P. ...

Surveyor (signature) [Signature] 02/2000

Reviewed by Robert J.

Date 12-21-08



proto-power/blaco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 19 of 73
NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	α dpm/100cm ²	β dpm/100cm ²	β dpm/100cm ²	α dpm/100cm ²
F1	A LOWER WALL			0	210	11	2.8
	B			0	210	11	0
	C			0	260	17	12
F2	A			0	420	14	2.8
	B			0	430	1.1	0
	C			0	420	11	0
G1	A			113	630	21	2.8
	B			45	1050	18	6.0
	C			0	420	41	0
G2	A			0	1260	21	6.0
	B			0	1650	18	2.8
	C			0	840	0	6.0
H1	A			0	630	48	2.8
	B			0	420	55	0
	C			45	420	45	9.1
H2	A			0	210	28	9.1
	B			0	420	24	2.8
	C			0	1260	4.5	2.8
I1	A			0	1050	14	2.8
	B			0	630	14	0
	C			135	1260	28	9.1
I2	A			0	840	45	9.1
	B			0	1050	11	2.8
	C			0	840	11	6.0
J1	A			40	630	21	6.0
	B			0	1260	21	0
	C			0	840	72	12
J2	A			0	230	0	0
	B			0	260	21	2.8
	C			0	1600	0	6.0

Surveyor (print name) M. Johnston, R. Morales-Torres

Surveyor (signature) [Signature]

Reviewed by [Signature]

Date 12-21-88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 20 of 73
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	α dpm/100cm ²	β, γ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
K1	A LOWER WALL			0	420	10	0
	B			45	210	0	0
	C			0	630	11	2.8
K2	A			0	1470	14	9.1
	B			45	1680	4.5	2.8
	C			0	630	115	0
P3	A			0	1050	14	2.8
	B			0	210	18	6.0
	C			45	630	14	0
P4	A			0	840	14	2.8
	B			90	630	11	2.8
	C			0	420	24	9.1
P5	A			0	210	7.9	2.8
	B			0	0	24	2.8
	C			90	0	4.5	0
P6	A			0	210	35	2.8
	B			0	1260	18	0
	C			180	210	7.9	2.8
P7	A			45	420	115	0
	B			0	0	0	0
	C			45	210	34	6.0
P8	A			0	0	7.9	2.8
	B			0	1050	11	2.8
	C			45	840	4.5	0
P9	A			0	210	115	0
	B			45	1050	14	0
	C			0	420	1.1	2.8

Surveyor (print name) M. JOHNSTON R. Macer...

Surveyor (signature) ORIGINAL SURVEY WITH SIGNATURE Reviewed by MAJ

Date 12-21-88

Original - Survey File, Canary - Field Ops., Pink - Job Site

A0001747 8/88



prot. power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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 NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	α dpm/100cm ²	β, γ dpm/100cm ²	β, γ dpm/100cm ²	α dpm/100cm ²
P10	A LOWIE WALL			0	210	18	2.8
	B			45	33	11	0
	C			45	23	0	2.8
P11	A			0	0	7.8	6.0
	B			0	0	0	0
	C			45	210	1.1	0
P12	A			0	0	7.9	2.8
	B			0	1050	4.4	9.1
	C			0	210	11	2.8
P13	A			45	630	1.1	0
	B			45	1470	11	6.0
	C			45	420	1.1	2.8
P14	A			45	0	7.9	0
	B			45	210	1.1	0
	C		MF	0	840	0	2.8
P15	A			0	1050	11	6.0
	B			0	0	7.9	0
	C			0	840	7.9	0
P16	A			45	0	11	2.8
	B			0	0	18	0
	C			0	0	11	0
P17	A			45	0	0	2.8
	B			45	420	1.1	0
	C			90	0	4.5	2.8
P18	A			45	630	0	0
	B			45	210	0	0
	C			0	0	4.5	0
P19	A			0	210	1.1	0
	B			0	0	0	0
	C			0	0	4.5	0

Surveyor (print name) M. JOHNSONSurveyor (signature) [Signature]Reviewed by [Signature]Date 10-21-88



proto-powerbliss nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	α dpm/100cm ²	β, γ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
P23A	LOWER WALL			0	210	45	6.0
B				45	210	7.8	6.0
C				0	0	0	0
P21A				0	210	0	0
B				45	1260	1.0	6.0
C				0	420	0	2.8
Q20				45	630	0	2.8
B				0	630	35	0
C				0	0	11	2.8
Q4A				0	210	7.9	2.8
B				911	0	38	6.0
C				0	630	4.4	9.1
Q5A				0	0	7.9	2.8
B				45	0	4.5	0
C				0	0	11	0
Q6A				0	840	1.1	2.8
B				0	630	4.5	0
C				0	1260	31	0
Q7A				0	0	21	0
B				0	2100	0	9.1
C				0	840	31	12
Q8A				0	1470	31	2.8
B				0	0	4.5	2.8
C				0	210	1/5	9.1
Q9A				45	420	38	12
B				45	420	55	9.1
C				0	420	38	0
Q10A				135	1470	92	12
B				0	630	38	18
C				0	630	48	6.0

Surveyor (print name) M. Johnston A. Monahan-Jones

Surveyor (signature) [Signature] [Signature]

Reviewed by [Signature]

Date 12-21-88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 21 of 73
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	α dpm/100cm ²	β, γ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
Q11	A LOWER WALL			0	630	4.5	2.8
	B			0	840	14	2.8
	C			0	420	51	12
Q12	A			0	630	96	2.8
	B			45	1470	0	0
	C			0	420	139	18
Q13	A			0	210	116	12
	B			0	420	0	2.8
	C			0	210	68	9.1
Q14	A			0	630	28	6.0
	B			45	1260	14	6.0
	C			0	630	14	12
Q15	A			0	2100	62	6.0
	B			0	630	21	2.8
	C			0	1050	11	2.8
Q16	A		N/A	0	0	1.1	0
	B			0	1470	0	0
	C			0	420	11	9.1
Q17	A			45	210	11	6.0
	B			0	0	38	0
	C			0	630	4.4	6.0
Q18	A			0	420	18	6.0
	B			0	1050	24	2.8
	C			45	630	14	2.8
Q19	A			45	0	28	6.0
	B			0	0	0	0
	C			0	630	0	0
Q20	A			0	420	28	2.8
	B			0	1260	14	0
	C			0	210	0	0

Surveyor (print name) N. EDWINSON R.A. Marshall Jones

Surveyor (signature) [Signature] [Signature] Reviewed by [Signature] Date 12-21-88



protec powerblisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	α dpm/100cm ²	β, γ dpm/100cm ²	β, γ dpm/100cm ²	α dpm/100cm ²
221	LOWER WALL			0	2310	11	0
	B			75	2300	16	2.8
	C			0	100	0	0
222	A			0	1470	11	9.1
	B			0	230	7.9	2.8
	C			0	630	0	6.6
223	A			0	1470	0	2.8
	B			0	0	0	0
	C			0	1260	0	0
224	A			0	1680	51	9.1
	B			45	1050	24	2.8
	C			0	1470	18	0
225	A			45	1470	0	0
	B			0	2100	0	0
	C			0	1050	0	2.8
226	A			0	1050	0	0
	B			0	1260	0	0
	C			0	840	1.1	2.8
227	A			0	1050	0	2.8
	B			0	1680	0	0
	C			0	630	0	2.8
228	A			0	1680	0	0
	B			0	1050	1.1	2.8
	C			0	1260	0	0
229	A			0	630	0	0
	B			0	1050	0	0
	C			0	420	4.5	0
230	A			0	0	0	0
	B			0	0	4.5	0
	C			0	0	0	0

Surveyor (print name) M. J. JohnstonSurveyor (signature) [Signature]Reviewed by [Signature] Date 12-4-77

Original - Survey File, Canary - Field Ops, Pink - Job Site

A0001747 B/BB



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	α dpm/100cm ²	β, γ dpm/100cm ²	β, γ dpm/100cm ²	α dpm/100cm ²
E23A	LOWE WALL			0	630	1.1	0
B				0	630	0	0
C				0	630	0	0
F22A				0	630	0	0
B				0	630	1.1	2.8
C				0	420	24	9.1
F23A				0	0	0	0
B				4.1	210	1.1	0
C				0	0	0	0
G22A				0	210	0	0
B				0	840	0	0
C				0	0	0	0
G23A				0	680	4.5	0
B				0	0	0	0
C				0	1050	0	0
H22A				0	840	1.1	0
B				0	840	0	0
C				0	1050	0	0
H23A				0	630	0	0
B				0	210	0	0
C				0	210	0	2.8
I22A				0	1050	0	0
B				0	630	0	0
C				0	840	0	0
I23A				0	210	0	0
B				0	1050	0	0
C				0	420	0	2.8
J22A				0	630	0	2.8
B				4.1	630	0	2.8
C				0	630	0	0

Surveyor (print name) D. JOHNSON P. MueselSurveyor (signature) [Signature] [Signature] Reviewed by [Signature] Date 10-2-88



proto-power/blaco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	α dpm/100cm ²	β, γ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
J23	A wall wall			0	210	0	6.0
	B			0	420	1.1	2.8
	C			0	420	0	0
K22	A			0	420	0	0
	B			0	1050	0	0
	C			0	420	1.1	0
L23	A			0	630	0	2.8
	B			0	630	0	0
	C			0	1470	4.5	2.8
L22	A			0	210	1.1	2.8
	B			0	420	7.9	0
	C			0	0	0	0
L23	A			0	0	0	2.8
	B			0	0	0	2.8
	C			0	420	0	0
M22	A			0	0	4.5	2.8
	B			0	0	4.4	6.0
	C			0	0	0	6.0
M23	A			0	0	1.0	9.1
	B			0	210	0	0
	C			45	0	1.1	2.8
N22	A			0	0	0	0
	B			0	0	1.1	0
	C			0	0	0	0
N23	A			0	0	1.1	0
	B			0	0	0	2.8
	C			0	630	0	0
O22	A			0	210	4.0	2.8
	B			0	0	0	0
	C			0	0	4.5	2.8

Surveyor (print name) N. JOHNSON P. Macaluso, Inc.Surveyor (signature) [Signature] [Signature]Reviewed by [Signature] Date 12-21-88

Original - Survey File - Canary - Field Ops. - Pink - Job Site

A0001747 B/BB



proto-power/bisco nuclear, inc.

Radiological Control Survey Record
Continuation SheetPage 27 of 73
NO[illegible]

Surveyor (print name) M. JOHNSTON

Surveyor (signature)

Reviewed by

Date 12-1-88

Original - Survey File, Canary - ~~Field Ops~~, Pink - Job Site

A0001747 8/88



proto-power/bienco nuclear, inc.
440 williams street
new london, ct 06320
(203) 444-2100

Radiological Control Survey Record

LOCATION: MANUFACTURING ROOM

REASON FOR SPECIAL SURVEY: RELEASE FOR GENERAL ACCESS

NO.

28 Rev 0

Page 1 of 1

DATE

2-16-89

TIME

0900

☐ ROUTINE

☐ SPECIAL

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	γ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
1	A3 A FLOOR			460	0	321	18
2	B			690	0	342	2.4
3	C			690	0	379	5.6
4	A4 A			460	57	355	0
5	B			920	0	352	0
6	C			920	57	308	0
7	A5 A			1380	0	267	2.4
8	B			1150	57	271	2.4
9	C			1150	114	301	5.6
10	A6 A			1380	28.5	291	5.6
11	B			920	57	291	2.4
12	C			1150	57	206	0
13	A7 A			690	57	135	2.4
14	B			690	57	118	0
15	C			920	57	104	5.6
16	A8 A			1150	57	101	0
17	B			690	28.5	111	0
18	C			1150	57	74	2.4

RADIATION SURVEY

B. CONTAMINATION SURVEY

C. CONTAMINATION SURVEY

INST	INST. L-MOD-3	S/N	N/A	S/N's	N/A
SS	SS 49892	CAL DUE DATE	9/1/89	CAL DUE DATES	9/7/89
CAL DUE DATE	DAL DUE DATE 11-23-88	EFF	0.295	EFF	0.316
B.C.F.	B.C.F. 23	BKG	2.04	BKG	0.23
REMARKS:				AIR SAMPLE DATE:	

Surveyor (print name) M. Johnston, D. Johnston, G. Marchese

Surveyor (signature) Original Survey, with file

Reviewed by PPB

Date 12-12-88

Original - Survey File, Canary - Field Ops, Pink - Job Site

A0001747 B/88



proto-powerblec nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
A9	A FLOOR			1150	28.5	50	2.4
	B			690	114	67	0
	C			920	57	60	0
A10	A			690	57	64	0
	B			690	57	30	11
	C			920	57	40	2.4
A11	A			690	57	43	8.7
	B			920	114	33	0
	C			920	85.5	57	2.4
A12	A			1150	57	26	5.6
	B			920	57	47	2.4
	C			460	57	37	2.4
A13	A			920	114 28.5	47	2.4
	B		MA	460	28.5	26	0
	C			690	28.5	33	2.4
A14	A			460	57	30	5.6
	B			460	57	40	0
	C			230	114	30	5.6
A15	A			460	85.5	6.5	5.6
	B			690	57	16	0
	C			460	57	23	5.6
A16	A			690	57	6.6	0
	B			920	57	10	0
	C			920	57	20	0
A17	A			690	57	6.6	2.4
	B			460	57	10	0
	C			230	28.5	26	0
A18	A			690	57	13	2.4
	B			920	57	16	0
	C			920	57	6.6	0

Surveyor (print name) R. A. Mansel - JonesSurveyor (signature) R. A. Mansel - JonesReviewed by R. A. Mansel - Jones Date 12-22-88



proto-power/bleed nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
A19	A FLOOR			1150	57	6.6	0
	B			1380	28.5	3.2	0
	C			1150	28.5	16	0
A20	A			920	57	16	5.6
	B			920	28.5	13	0
	C			1150	28.5	3.2	2.4
A21	A			690	28.5	6.6	0
	B			1380	28.5	10	2.4
	C			920	28.5	16	0
B3	A			690	28.5	37	8.7
	B			920	28.5	33	8.7
	C			920	28.5	10	0
B4	A			460	57	3.2	0
	B			1380	28.5	26	0
	C			1150	28.5	33	0
B5	A			920	28.5	10	0
	B			920	28.5	33	0
	C			920	28.5	0	0
B6	A			690	28.5	16	2.4
	B			920 1380	57 28.5	20	2.4
	C			2160	28.5	20	0
B7	A			460	28.5	23	0
	B			690	57	10	2.4
	C			690	57	23	2.4
B8	A			920	57	16	0
	B			460	57	23	5.6
	C			460	57	16	5.6
B9	A			1150 690	57	13	2.4
	B			690	57	16	0
	C			920	28.5	26	0

Surveyor (print name) R. A. Monahan-JonesSurveyor (signature) [Signature]Reviewed by [Signature] Date 1-22-88

Original - Survey File, Canary - Field Ops., Pink - Job Site

A0001747 8/88



proto-power/blaco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
B10	A FLOOR			690	57	13	2.4
	B			920	57	20	0
	C			920	57	6.6	2.4
B11	A			920	57	10	0
	B			460	57	10	0
	C			230	28.5	9.9	11
B12	A			460	28.5	13	0
	B			460	57	20	5.6
	C			690	57	20	2.4
B13	A			690	114	6.6	2.4
	B			920	57	3.2	0
	C			1150	57	10	0
B14	A			1150	57	20	0
	B			690	57	10	2.4
	C		MA	920	28.5	13	0
B15	A			690	28.5	6.6	0
	B			460	28.5	16	2.4
	C			460	57	10	0
B16	A			230	114	10	0
	B			460	28.5	23	0
	C			230	57	6.6	2.4
B17	A			690	28.5	9.9	5.6
	B			690	57	3.2	2.4
	C			460	28.5	10	0
B18	A			690	57	0	0
	B			920	57	3.2	0
	C			690	114	3.2	0
B19	A			920	57	0	0
	B			920	28.5	0	0
	C			690	28.5	0	0

Surveyor (print name) R. A. Monahan, Jr.Surveyor (signature) [Signature]Reviewed by [Signature] Date 1-2-88

Original - Survey File, Canary - Field Ops, Pink - Job Site

A0001747 B/BB



proto-power/blaco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
B20	A FLOOR			460	28.5	10	0
	B			920	28.5	16	0
	C			920	28.5	0	0
B21	A			1380	57	0	2.4
	B			1150	28.5	0	0
	C			1150	57	6.6	0
C3	A			460	28.5	23	0
	B			460	57	16	15
	C			460	57	20	2.4
C4	A			460	57	26	5.6
	B			230	114	26	0
	C			230	57	23	2.4
C5	A			230	57	37	2.4
	B			230	57	40	2.4
	C			230	57	16	5.6
C6	A			0	57	9.9	5.6
	B			0	57	23	0
	C			880	57	13	8.7
C7	A			460	57	0	2.4
	B			230	57	20	0
	C			230	57	20	5.6
C8	A			460	57	0	2.4
	B			690	57	1.9	5.6
	C			690	57	16	8.7
C9	A			920	57	23	5.6
	B			460	57	10	2.4
	C			920	57	16	2.4
C10	A			920	114	23	0
	B			690	114	3.2	0
	C			690	57	16	0

Surveyor (print name) E. A. Masolun - JonesSurveyor (signature) [Signature]Reviewed by [Signature] Date 12-22-88



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
C11	A FLUOR			1380	114	9.9	5.6
	B			1156	57	13	2.4
	C			1840	57	6.5	5.6
C12	A			920	57	10	0
	B			1150	57	1.3	2.7
	C			920	57	6.6	2.4
C13	A			690	57	1.3	2.4
	B			690	57	9.9	5.6
	C			920	57	23	0
C14	A			460	57	6.6	2.4
	B			230	85.5	10	0
	C			920	57	6.6	0
C15	A			690	57	0	5.6
	B			690	85.5	13	2.4
	C			460	57	10	0
C16	A			690	57	155	2.4
	B			460	28.5	213	0
	C			460	57	226	2.4
C17	A			690	57	213	0
	B			460	57	193	0
	C			460	28.5	243	0
C18	A			690	57	203	0
	B			920	57	223	2.4
	C			920	57	250	0
C19	A			690	57	226	0
	B			920	28.5	182	0
	C			920	28.5	176	2.4
C20	A			920	28.5	155	0
	B			920	28.5	121	0
	C			1156	28.5	121	2.4

Surveyor (print name) P. B. MacArthur, Jr.Surveyor (signature) [Signature]Reviewed by [Signature] Date 12-2-88

Original - Survey File, Canary - Field Ops, Pink - Job Site

A0001747 8/88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
C21	A FLOOR			920	28.5	71	0
	B			1156	28.5	74	11
	C			1156	28.5	108	0
D3	A			460	57	84	0
	B			230	57	81	2.4
	C			690	57	60	0
D4	A			805	57	81	5.6
	B			460	57	64	2.4
	C			1150	57	64	0
D5	A			920	57	37	2.4
	B			575	57	43	2.4
	C			920	57	50	8.7
D6	A			690	57	60	5.6
	B			1150	57	47	0
	C			2530	57	54	0
D7	A			1700	85.5	33	2.4
	B			1700	85.5	43	5.6
	C			1700	57	40	2.4
D8	A			690	85.5	40	2.4
	B			920	57	20	5.6
	C			230	114	54	5.6
D9	A			1150	57	30	2.4
	B			920	57	30	0
	C			690	114	30	5.6
D10	A			230	114	13	2.4
	B			1380	57	33	5.6
	C			1380	57	30	0
D11	A			920	57	23	0
	B			190	28.5	33	2.4
	C			690	57	23	5.6

Surveyor (print name) E. R. Marshall, Jr.Surveyor (signature) [Signature]Reviewed by [Signature] Date 12-11-78

Original - Survey File, Canary - Field Ops, Pink - Job Site

A0001747 8/88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 35 of 73
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
D12	A FLOOR			1360	57	37	0
	B			0	57	33	5.6
	C			0	57	33	0
D13	A			230	57	30	0
	B			460	57	13	2.4
	C			690	57	16	0
D14	A			575	57	20	0
	B			460	57	13	0
	C			460	57	6.6	0
D15	A			575	57	30	0
	B			805	57 57.13	16	2.4
	C			690	57 28.5	6.6	2.4
D16	A			690	57	3.2	2.4
	B			230	57	6.6	0
	C		N/A	345	57	6.6	2.4
D17	A			805	57	13	0
	B			690	57	10	0
	C			460	57	16	0
D18	A			115	57	0	0
	B			690	57	10	0
	C			805	57	3.2	2.4
D19	A			690	57	10	0
	B			1360	57	6.6	0
	C			1150	28.5	0	0
D20	A			0	57	6.6	0
	B			0	57	6.6	2.4
	C			1700	57	3.2	0
D21	A			690	57	3.2	0
	B			926	57	0	2.4
	C			575	57	0	2.4

Surveyor (print name) John M. Mendenhall, Jr.Surveyor (signature) [Signature]Reviewed by [Signature] Date 10-3-88



proto-powerbliss nuclear, inc.

 Radiological Control Survey Record
Continuation Sheet

 Page 36 of 73
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
E3	A FLOOR			920	57	23	2.4
	B			1150	55.5	16	0
	C			690	57	26	0
E4	A			460	57	16	8.7
	B			230	57	3.2	2.4
	C			460	57	6.6	0
E5	A			920	57	23	2.4
	B			1150	55.5	26	2.4
	C			1150	55.5	6.6	2.4
E6	A			1380	57	37	0
	B			1150	57	20	8.7
	C			920	57	33	0
E7	A			1150	57	3.1	5.6
	B			1150	57	9.9	8.7
	C			1150	57	3.2	2.4
E8	A			920	57	3.2	2.4
	B			1380	57	13	0
	C			1150	57	9.9	8.7
E9	A			690	57	3.2	0
	B			1150	57	16	0
	C			920	57	6.6	2.4
E10	A			460	57	3.2	2.4
	B			460	57	6.6	2.4
	C			690	57	13	2.4
E11	A			460	57	9.9	5.6
	B			690	57	13	0
	C			690	55.5	3.1	5.6
E12	A			690	57	9.9	5.6
	B			690	57	10	0
	C			1380	57	13	2.4

 Surveyor (print name) RA Marshall - JRC

 Surveyor (signature) [Signature]

 Reviewed by [Signature]

 Date 12-23-88



proto-powerbisco nuclear, inc.

 Radiological Control Survey Record
Continuation Sheet

 Page 37 of 73
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
E13	A FLOOR			1380	28.5	2.2	0
	B			1150	28.5	13	0
	C			920	57	10	0
E14	A			920	57	10	2.4
	B			690	57	13	2.4
	C			1380	57	6.6	2.4
E15	A			690	57	0	2.4
	B			920	57	0	0
	C			690	28.5	6.5	8.7
E16	A			690	57	3.1	8.7
	B			920	28.5	6.6	2.4
	C			920	57	2.3	2.4
E17	A			460	57	6.6	0
	B		N/A	690	57	6.6	0
	C			460	57	10	2.4
E18	A			230	57	3.2	0
	B			460	28.5	0	2.4
	C			920	57	3.2	0
E19	A			1150	57	16	2.4
	B			690	57	6.6	0
	C			1150	57	6.6	2.4
E20	A			1150	57	16	0
	B			1380	57	6.6	2.4
	C			1380	57	0	2.4
E21	A			1150	57	0	2.4
	B			2780	57	6.6	2.4
	C			690	57	6.6	0
F3	A			920	57	6.6	0
	B			460	57	13	2.4
	C			920	57	0	0

 Surveyor (print name) R.A. McCarroll, Jr.

 Surveyor (signature) [Signature]

 Reviewed by [Signature] Date 12-13-89



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
F4	A FLOUR			1700	57	13	0
	B			0	28.5	16	5.6
	C			0	57	9.9	8.7
F5	A			460	28.5	13	2.4
	B			1150	57	16	2.4
	C			1150	28.5	13	2.4
F6	A			0	28.5	20	2.4
	B			1020	57	16	5.6
	C			0	57	30	0
F7	A			1150	57	16	0
	B			2300	57	20	5.6
	C			1380	57	20	2.4
F8	A			230	57	16	2.4
	B			1150	57	20	0
	C			690	57	16	5.6
F9	A			460	57	6.5	5.6
	B			1150	57	16	5.6
	C			1150	57	3.2	2.4
F10	A			230	57	16	0
	B			460	57	13	0
	C			1150	57	23	2.4
F11	A			690	28.5	6.6	0
	B			920	28.5	3.2	0
	C			1150	57	6.6	2.4
F12	A			1380	57	10	0
	B			1610	57	20	2.4
	C			1840	57	13	5.6
F13	A			230	57	20	2.4
	B			460	57	16	0
	C			575	57	23	2.4

Surveyor (print name) A. D. MacArthur, Jr.Surveyor (signature) [Signature]Reviewed by [Signature] Date 11-2-88



proto-powerbliss nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
F14	A FLOOR			460	57	23	0
	B			690	57	3.2	2.4
	C			920	57	6.6	0
F15	A			920	57	16	0
	B			460	57	10	0
	C			690	57	3.2	0
F16	A			460	0	6.6	0
	B			460	0	3.2	0
	C			230	0	10	2.4
F17	A			230	57	0	2.4
	B			460	57	20	0
	C			230	28.5	16	0
F18	A			460	57	3.2	0
	B			460	57	10	2.4
	C			690	57	10	2.4
F19	A			1150	57	3.2	0
	B			460	57	0	0
	C			1150	57	0	0
F20	A			1150	57	0	0
	B			460	28.5	0	0
	C			690	28.5	0	0
F21	A			460	57	0	0
	B			460	57	0	2.4
	C			1150	57	0	0
G3	A			460	28.5	20	0
	B			920	28.5	23	2.4
	C			460	28.5	23	0
G4	A			460	28.5 16	16	0
	B			460	57	16	0
	C			920	114	20	2.4

Surveyor (print name) P. A. Monahan, Jr.Surveyor (signature) P. A. Monahan, Jr.Reviewed by [Signature] Date 1-23-88



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
85	A FLOOR			460	57	23	0
	B			690	28.5	0	2.4
	C			1150	57	16	0
86	A			460	57	20	0
	B			690	57	0	0
	C			920	28.5	16	5.6
87	A			1380	57	6.6	2.4
	B			1610	57	6.6	0
	C			1150	28.5	10	0
88	A			690	57	10	0
	B			920	57	23	2.4
	C			920	57	13	5.6
89	A			920	57	3.2	2.4
	B			1380	57	10	0
	C			1380	57	10	2.4
90	A			920	57	6.6	2.4
	B			460	57	6.6	2.4
	C			690	57	67	0
91	A			460	57	57	0
	B			1150	57	71	0
	C			690	57	84	0
912	A			920	57	60	2.4
	B			1380	57	64	0
	C			920	28.5	57	5.6
913	A			1840	57	71	2.4
	B			690	57	70	5.6
	C			460	57	70	8.7
914	A			1380	57	57	2.4
	B			1840	57	54	5.6
	C			1150	57	40	0

Surveyor (print name) P. A. Muroto, Jr.Surveyor (signature) P. A. Muroto, Jr.Reviewed by P. A. Muroto, Jr.Date 12/23/88



proto-power/blaco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
C15	A FLOOR			1150	57	40	0
	B			2300	57	37	2.4
	C			1150	57	37	2.4
C16	A			1150	0	33	2.4
	B			1150	114	40	2.4
	C			2300	57	37	2.4
C17	A			1840	57	26	0
	B			1840	57	47	5.6
	C			1840	57	30	0
C18	A			460	28.5	30	0
	B			1150	28.5	26	0
	C			690	57	37	2.4
C19	A			230	28.5	13	0
	B			460	28.5	20	0
	C			460	28.5	20	2.4
C20	A			460	28.5	30	5.6
	B			1150	57	16	5.6
	C			690	28.5	6.6	0
C21	A			460	28.5	23	0
	B			1150	28.5	6.5	5.6
	C			690	28.5	0	0
H3	A			920	28.5	6.6	2.4
	B			460	57	13	2.4
	C			920	57	6.6	0
H4	A			1700	57	13	0
	B			680	28.5	13	0
	C			0	28.5	23	2.4
H5	A			460	28.5	13	0
	B			690	28.5	10	0
	C			690	28.5	57	2.4

Surveyor (print name) P. H. Moore, Jr.Surveyor (signature) [Signature]Reviewed by [Signature] Date 1-2-88



proto-power/bliss nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
H6	A FLOOR			1150	57	37	5.6
	B			920	57	30	2.4
	C			460	57	33	5.6
H7	A			460	28.5	33	2.4
	B			920	57	23	0
	C			460	57	30	0
H8	A			230	28.5	26	2.4
	B			460	28.5	47	0
	C			690	28.5 13	13	0
H9	A			1150	57	3.2	0
	B			1150	57	23	5.6
	C			2300	57	6.5	8.7
H10	A			460	57	16	8.7
	B			460	0	23	0
	C		NA	460	57	30	2.4
H11	A			230	28.5	23	0
	B			690	57	6.6	0
	C			460	28.5	6.6	2.4
H12	A			460	57	16	0
	B			690	57	20	2.4
	C			460	57	13	2.4
H13	A			460	57	13	0
	B			690	57	23	2.4
	C			1150	57	16	2.4
H14	A			460	28.5	13	0
	B			1150 1150	57	3.1	8.7
	C			2300 2300	57	23	0
H15	A			920	57	26	0
	B			1150	57	13	0
	C			1150	57	13	0
--							

Surveyor (print name) R. B. Monahan, Inc.Surveyor (signature) [Signature]Reviewed by [Signature] Date 12-21-88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
H16	A FLOOR			1350	0	16	0
	B			207	57	16	2.4
	C			207	57	2.8	0
H17	A			460	57	2.3	0
	B			1150	0	26	0
	C			2300	0	13	0
H18	A			1150	57	10	0
	B			1150	28.5	3.1	5.6
	C			920	28.5	3.2	2.4
H19	A			460	28.5	13	2.4
	B			920	28.5	10	0
	C			460	20.5	10	5.4
H20	A			690	57	33	5.6
	B			2300	57	33	8.7
	C		N/A	1150	28.5	10	0
H21	A			460	57	20	2.4
	B			690	57	13	2.4
	C			1150	28.5	13	2.4
I3	A			460	28.5	26	2.4
	B			690	28.5	10	2.4
	C			460	28.5	16	5.6
I4	A			460	28.5	10	0
	B			690	57	23	2.4
	C			690	28.5	3.2	0
I5	A			690	28.5	6.6	0
	B			1150	28.5	3.2	2.4
	C			920	28.5	6.5	8.7
I6	A			460	28.5	13	0
	B			460	28.5	6.6	0
	C			690	28.5	3.2	0

Surveyor (print name) P. A. M. JonesSurveyor (signature) P. A. M. JonesReviewed by JPJ Date 11-18



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
I7	A	FLUOR		1150	28.5	9.2	0
	B			690	28.5	10	2.4
	C			690	57	16	0
I8	A			690	28.5	6.5	5.6
	B			460	28.5	16	0
	C			690	28.5	0	0
I9	A			460	28.5	6.6	2.4
	B			460	57	9.2	0
	C			1150	57	0	0
II6	A			690	28.5	10	0
	B			920	28.5	20	0
	C			1380	28.5	0	2.4
II1	A			230	28.5	3.2	0
	B			690	57	0	2.4
	C			690	57	6.6	0
II2	A			460	28.5	3.2	0
	B			690	28.5	20	5.6
	C			1610	28.5	6.6	2.4
II3	A			1380	57	6.6	2.4
	B			1380	57	0	0
	C			1380	57	3.2	0
II4	A			920	28.5	3.2	0
	B			460	57	9.9	8.7
	C			690	57	0	5.6
II5	A			1380	28.5	13	2.4
	B			1150	57	6.6	0
	C			1380	57	16	0
II6	A			2078	57	0	3.2
	B			2760	57	0	0
	C			2300	57	0	0

Surveyor (print name) R. H. Marshall, Jr.Surveyor (signature) R. H. Marshall, Jr.Reviewed by JADate 12-21-88



proto-power/bleco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
I17	A FLOOR			2990	28.5	0	5.6
	B			230	28.5	0	5.6
	C			1380	28.5	6.6	0
I18	A			690	28.5	0	0
	B			690	57	0	0
	C			460	28.5	0	2.4
I19	A			460	28.5	20	2.4
	B			690	57	13	0
	C			1150	57	40	5.6
I20	A			1150	28.5	47	0
	B			1380	57	33	8.7
	C			1150	57	26	8.7
I21	A			1850	57	16	2.4
	B			920	57	13	2.4
	C			690	28.5	23	0
J3	A			1150	28.5	23	2.4
	B			920	57	20	5.6
	C			690	28.5	20	0
J4	A			1150	57	30	8.7
	B			1380	28.5	23	0
	C			920	57	30	2.4
J5	A			460	57	16	0
	B			690	57	10	0
	C			1150	28.5	23	2.4
J6	A			230	57	10	2.4
	B			345	57	13	0
	C			230	57	3.2	2.4
J7	A			230	28.5	3.2	2.4
	B			345	57	6.6	0
	C			230	28.5	20	0

Surveyor (print name) A A Moser, Jr.Surveyor (signature) A A Moser, Jr.Reviewed by CHM Date 11-21-88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mc/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
J8	A FLOOR			690	28.5	13	2.4
	B			460	57	6.6	0
	C			230	57	20	0
J9	A			230	57	23	0
	B			690	28.5	13	0
	C			690	57	16	0
J10	A			460	57	10	2.4
	B			1150	28.5	23	0
	C			1150	28.5	3.2	2.4
J11	A			460	28.5	0	8.7
	B			690	28.5	13	2.4
	C			690	28.5	23	0
J12	A			690	57	20	2.4
	B			1150	57	13	0
	C			460	57	16	5.6
J13	A			460	57	13	0
	B			690	57	26	2.4
	C			690	57	13	2.4
J14	A			230	57	16	0
	B			460	57	23	0
	C			230	28.5	16	0
J15	A			1150	28.5	6.6	2.4
	B			920	28.5	20	0
	C			230	28.5	20	2.4
J16	A			1610	114	6.6	0
	B			1610	57	20	0
	C			1610	114	13	2.4
J17	A			1150	57	10	2.4
	B			1150	57	6.6	0
	C			460	57	6.6	2.4

Surveyor (print name) A. H. [Signature]Surveyor (signature) [Signature]Reviewed by [Signature] Date 12-21-88



prato-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
J18	A FLOOR			1150	28.5	13	0
	B			690	28.5	0	0
	C			920	28.5	0	2.4
J19	A			230	28.5	16	2.4
	B			460	57	13	5.6
	C			920	57	13	0
J20	A			1150	28.5	37	11
	B			1380	28.5	37	2.4
	C			1150	57	6.6	2.4
J21	A			1840	57	13	2.4
	B			1610	57	33	2.4
	C			1150	57	20	0
K3	A			920	28.5	0	0
	B			460	57	0	2.4
	C			230	57	13	5.6
K4	A			920	57	3.1	5.6
	B			460	57	3.2	0
	C			690	57	0	5.6
K5	A			690	57	0	0
	B			690	28.5	16	0
	C			460	28.5	3.2	2.4
K6	A			690	28.5	3.2	0
	B			460	57	13	0
	C			690	57	0	0
K7	A			460	28.5	13	0
	B			460	57	3.2	2.4
	C			690	57	10	0
K8	A			460	57	10	0
	B			460	57	20	2.4
	C			690	57	3.2	2.4

Surveyor (print name) A. R. Morales-JonesSurveyor (signature) A. R. Morales-JonesReviewed by AMJDate 11-23-88



power/biseco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
K9	A FLOOR			230	28.5	6.6	0
	B			460	28.5	20	8.7
	C			460	57	16	0
K10	A			230	57	70	2.4
	B			460	28.5	16	2.4
	C			460	57	6.6	2.4
K11	A			690	57	0	0
	B			1150	57	16	8.7
	C			460	28.5	3.2	0
K12	A			1150	57	6.6	2.4
	B			1150	57	33	5.6
	C			690	28.5	9.9	8.7
K13	A			460	28.5	13	2.4
	B			2300	57	16	0
	C			690	28.5	6.5	8.7
K14	A			690	57	20	2.4
	B			1150	57	23	0
	C			460	57	16	2.4
K15	A			920	28.5	6.6	0
	B			1150	28.5	23	2.4
	C			690	28.5	3.2	0
K16	A			1610	114	9.9	5.6
	B			1610	57	16	8.7
	C			1150	114	6.6	0
K17	A			460	28.5	6.5	5.6
	B			1150	57	13	2.4
	C			460	57	26	0
K18	A			230	57	20	2.4
	B			460	57	20	0
	C			460	28.5	6.5	8.7

Surveyor (print name) A. B. [Signature]

Surveyor (signature) [Signature]

Reviewed by [Signature] Date 1-7-81



proto-power/bleco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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 NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
K19	A FLOOR			230	28.5	16	8.7
	B			460	28.5	26	5.6
	C			1150	57	0	2.4
K20	A			920	57	10	2.4
	B			230	57	16	5.6
	C			1150	57	16	2.4
K21	A			0	57	9.9	5.6
	B			0	57	6.6	0
	C			0	28.5	20	5.6
L7	A			230	57	3.2	0
	B			230	57	3.2	2.4
	C			460	57	10	0
L8	A			460	28.5	6.5	5.6
	B			690	28.5	6.6	2.4
	C			690	28.5	10	0
L9	A			460	57	16	0
	B			690	57	20	0
	C			690	57	16	5.6
L10	A			460	28.5	13	0
	B			1150	28.5	0	5.6
	C			1380	57	16	0
L11	A			230	57	13	0
	B			690	57	16	0
	C			920	28.5	13	2.4
L12	A			460	28.5	20	2.4
	B			460	57	23	2.4
	C			920	28.5	16	0
L13	A			460	57	0	0
	B			690	57	13	0
	C			920	57	3.2	2.4

Surveyor (print name) R. R. Macaluso JonesSurveyor (signature) [Signature]Reviewed by [Signature] Date 1-7-89



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
L14	A FLOOR			460	57	20	2.4
	B			690	57	16	0
	C			920	57	33	0
L15	A			1150	57	20	2.4
	B			1380	57	16	0
	C			690	57	0	0
L16	A			230	57	43	2.4
	B			460	57	6.6	2.4
	C			345	57	13	5.6
L17	A			690	28.5	16	2.4
	B			460	28.5	16	0
	C			920	57	6.5	5.6
L18	A			1150	57	13	0
	B			1380	28.5	3.2	0
	C			1380	57	9.2	2.4
L19	A			690	28.5	6.6	0
	B			460	57	3.2	2.4
	C			1380	57	10	0
L20	A			460	28.5	13	0
	B			1150	57	3.1	5.6
	C			1150	57	10	2.4
L21	A			340	57	20	0
	B			340	57	6.6	2.4
	C			340	57	10	0
M10	A			690	57	17	0
	B			690	57	17	0
	C			1150	57	10	8.6
M11	A			920	28.5	16	0
	B			920	28.5	30	2.4
	C			1150	28.5	23	0

Surveyor (print name) R A Mesas - JonesSurveyor (signature) R A MesasReviewed by PAJ Date 1-7-89



proto-power/bleco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
M12	A FLOOR			690	57	3.2	2.4
	B			1150	57	0	0
	C			460	28.5	16	5.6
M13	A			690	57	16	8.7
	B			1150	57	20	0
	C			1380	57	3.2	2.4
M14	A			460	28.5	6.6	2.4
	B			690	28.5	43	5.6
	C			460	28.5	6.6	0
M15	A			460	57	26	0
	B			690	57	16	0
	C			920	57	20	8.7
M16	A			690	28.5	6.6	0
	B			1610	28.5	16	2.4
	C			920	57	47	5.6
M17	A			690	28.5	6.5	5.6
	B			690	57	33	8.7
	C			920	57	6.5	5.6
M18	A			460	28.5	0	0
	B			460	57	16	2.4
	C			690	57	10	2.4
M19	A			690	57	3.2	0
	B			690	57	3.2	0
	C			920	57	16	0
M20	A			460	28.5	0	5.6
	B			690	57	6.5	5.6
	C			920	20.5	3.2	2.4
M21	A			460	57	30	5.6
	B			690	57	3.2	0
	C			690	57	20	2.4

Surveyor (print name) R. M. Morales - Jca-5Surveyor (signature) [Signature]Reviewed by [Signature] Date 1-7-84



proto-power/blaco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
N14	A FLOOR			230	57	14	5.4
	B			460	57	21	2.2
	C			460	57	21	8.6
N15	A			460	57	33	2.4
	B			460	28.5	20	0
	C			460	28.5	23	2.4
N16	A			230	57	13	0
	B			460	28.5	20	2.4
	C			460	57	13	0
N17	A			230	28.5	10	0
	B			460	57	10	2.4
	C			1610	57	13	0
N18	A			1610	28.5	10	0
	B			690	57	10	2.4
	C		11P	920	57	10	0
N19	A			690	28.5	3.2	2.4
	B			1150	57	0	2.4
	C			1380	57	0	0
N20	A			920	57	23	5.6
	B			690	57	10	2.4
	C			1150	28.5	13	2.4
N21	A			1380	57	16	0
	B			1840	57	13	2.4
	C			920	114	0	2.4
D18	A			230	57	4.3	0
	B			460	57	8.9	2.2
	C			690	57	21	0
O19	A			230	28.5	0	2.4
	B			920	57	10	2.4
	C			690	28.5	3.1	5.6

Surveyor (print name) R. E. Muschke, Jr.Surveyor (signature) [Signature]Reviewed by [Signature] Date 1-7-84



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
020	A FLOOR			230	28.5	16	0
	B			460	57	6.6	0
	C			230	57	3.1	5.6
021	A			460	28.5	13	2.4
	B			1150	28.5	3.2	2.4
	C			920	57	0	5.6
PM1	A PUMP MOUNT			920	0	0	0
	B			690	57	30	5.6
	C			460	0	13	0
	D			460	0	0	0
	E			230	0	0	0
	F			460	0	0	0
	G			460	0	0	0
	H			690	0	0	0
	I			460	0	0	0
	J			460	0	13	0
	K			690	114	16	0
	L			460	57	0	0
PM2	A			690	0	0	0
	B			460	0	0	5.6
	C			230	0	6.6	0
	D			230	0	0	5.6
	E			460	0	11	2.4
	F			690	57	10	2.4
	G			230	57	0	0
	H			230	0	10	0
	I			690	0	0	0
	J			230	0	3.2	0
	K			690	57	3.2	2.4
	L			230	0	0	0

Surveyor (print name) R A Mesasolke - JonesSurveyor (signature) [Signature]Reviewed by [Signature] Date 1-7-89



proto-power/blasco nuclear, inc.

Radiological Control Survey Record
Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMearable CONTAMINATION	
		β mrad/hr	γ mr/hr	$\beta + \gamma$ dpm/100cm ²	$\alpha + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
SI1A	PLATFORM UPPER SOUTH			690	57	30	11
	B WALL INTERIOR			460	57	10	0
	C			690	57	20	0
SI2A				690	57	43	0
	B			920	57	10	2.4
	C			920	57	30	2.4
SI3A				690	57	16	2.4
	B			690	57	23	5.6
	C			920	57	30	5.6
SI4A				690	57	23	0
	B			920	57	26	2.4
	C			920	57	10	0
SI5A				1380	57	23	0
	B			920	114	16	0
	C			690	114	23	0
WI1A	PLATFORM UPPER WEST			0	57	16	2.4
	B WALL INTERIOR			230	57	23	0
	C			0	57	20	0
WI2A				0	57	20	0
	B			0	57	23	0
	C			0	57	33	2.4
WI3A				230	57	13	2.4
	B			690	57	26	0
	C			460	57	13	0
WI4A				460	57	40	8.7
	B			690	114	30	0
	C			690	114	16	8.7
WI5A				920	57	6.6	2.4
	B			690	57	20	0
	C			920	57	43	0

Surveyor (print name) E. MARCHESE / M. JWINSTON / D. JWINSTON

Surveyor (signature) [Signature] Reviewed by [Signature]

Date 1-7-89



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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 NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²
W16 A	PLATFORM UPPER WEST			230	57	30	2.4
B	WALL INTERIOR			0	57	47	0
C				460	57	74	2.4
W17 A				0	57	30	2.4
B				0	57	26	2.4
C				0	57	10	2.4
W18 A				0	57	0	5.6
B				0	57	20	0
C				230	57	33	5.6
W19 A				0	57	13	0
B				0	57	13	0
C				230	57	3.2	2.4
W20 A				0	57	16	0
B				230	57	13	0
C				460	57	13	0
W21 A				0	57	10	2.4
B				0	57	10	0
C				230	57	6.6	2.4
W22 A				0	57	16	0
B				0	57	16	0
C				460	57	13	2.4
W23 A				0	0	13	0
B				460	0	3.2	2.4
C				0	0	6.6	2.4
R24 A	PLATFORM FLOOR			0	57	23.1	2.4
B				0	28.5	19.9	5.6
C				230	57	16.6	28.7
R25 A				0	28.5	20	2.4
B				460	28.5	20	2.4
C				920	57	33	5.6

 Surveyor (print name) E. MARCHESSE / M. JOHNSTON / D. JOHNSTON

 Surveyor (signature) [Signature] viewed by [Signature] Date 1-7-84

Original - Survey File, Canary - Field Ops, Pink - Job Site

A0001747 8/88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²
R36	A PLATFORM FLOOR			920	28.5	23	0
	B			460	28.5	37	2.4
	C			690	28.5	13	2.4
R37	A			690	28.5	10	2.4
	B			690	57	26	5.6
	C			920	57	10	2.4
S34	A			0	28.5	43	8.7
	B			460	57	26	2.4
	C			0	57	50	0
S35	A			0	28.5	47	0
	B			460	28.5	43	0
	C			460	28.5	30	2.4
S36	A			690	28.5	30	0
	B			460	57	30	0
	C			0	57	26	0
S37	A			920	28.5	23	0
	B			690	28.5	30	5.6
	C			460	28.5	26	0
T34	A			1380	57	23	0
	B			920	28.5	26	5.6
	C			920	28.5	33	5.6
T35	A			0	28.5	3.2	2.4
	B			230	57	30	5.6
	C			460	57	37	5.6
T36	A			0	57	30	2.4
	B			0	57	30	8.7
	C			460	57	30	0
T37	A			690	28.5	10	0
	B			920	57	3.2	0
	C			920	57	20	2.4

Surveyor (print name) D. JOHNSTON / E. MARCHEBE / M. JOHNSTONSurveyor (signature) [Signature]Reviewed by [Signature] Date 1-7-89

Original - Survey File, Canada - Field Ops. - Pink - Job Site

A0001747 8/86



proto-powerbiaco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²
U34A	PLATFORM FLOOR			460	57	43	5.6
	B			230	28.5	20	0
	C			690	57	23	0
U25A				460	57	20	2.4
	B			230	57	43	2.4
	C			230	57	13	5.6
U26A				460	57	0	8.7
	B			460	57	9.9	11
	C			690	57	20	0
U27A				690	57	0	2.4
	B			690	57	13	2.4
	C			460	57	30	8.7
V34A				690	228	60	11
	B			690	114	33	5.6
V35A				920	171	30	5.6
V25A				920	171	23	5.6
	B			1380	228	30	5.6
	C			920	228	13	8.7
V26A				1380	114	13	5.6
	B			1380	57	20	2.4
	C			1150	114	26	0
V27A				920	57	13	0
	B			690	57	10	2.4
	C			920	57	33	0
W34A				920	171	30	5.6
	B			920	228	16	2.4
	C			1150	114	26	0
W25A				1150	456	37	0
	B			1150	285	23	0
	C			1380	114	20	2.4

Surveyor (print name) D. JOHNSTON / G. MARCHESE / M. JOHNSTONSurveyor (signature) [Signature]Reviewed by [Signature]Date 1-7-89



proto-power/blisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
426A	PLATFORM FLOOR			920	57	30	5.6
B				920	114	13	0
C				690	57	9.9	8.7
427A				690	57	30	2.4
B				920	285	20	0
C				920	342	3.2	0
x24A				920	285	23	15
B				920	57	33	0
C				690	57	30	0
x25A				920	228	43	0
B				1150	171	30	0
C				920	228	23	8.7
x26A				920	342	16	5.6
B				1150	57	20	0
C				1150	228	23	5.6
x27A				920	114	43	5.6
B				690	342	6.6	0
C				690	114	26	0
434A				460	114	37	2.4
B				230	114	26	0
C				230	114	13	2.4
435A				460	57	0	0
B				690	57	23	0
C				690	57	33	11
426A				690	57	26	2.4
B				920	57	37	5.6
C				920	228	43	2.4
427A				460	114	50	8.7
B				460	114	13	2.4
C				690	114	16	0

Surveyor (print name) M. JOHNSON / D. JOHNSON / E. MARCHESurveyor (signature) [Signature]Reviewed by [Signature]Date 1-8-84

Original - Survey File, Canary, Field Ops, Pink, Job Site

A0001747 B/88



proto-power/blisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²
LI 14	A PLATFORM ROOM LOWER			230	57	10	0
	B WEST WALL INTERIOR			0	114	10	0
	C			0	114	6.6	0
LI 15	A			0	57	6.6	2.4
	B			230	57	13	0
	C			230	57	6.6	0
LI 16	A			460	57	0	0
	B			230	57	0	2.4
	C			0	57	6.6	0
LI 17	A			0	57	10	0
	B			0	57	0	2.4
	C			0	57	0	0
LI 18	A			0	57	0	0
	B			460	57	10	0
	C			0	57	0	0
LI 19	A			0	57	3.2	0
	B			0	57	6.6	0
	C			230	57	3.2	0
LI 20	A			0	57	3.2	0
	B			0	57	6.6	0
	C			230	57	6.6	0
LI 21	A			230	57	6.6	0
	B			0	28.5	20	2.4
	C			0	57	0	0
LI 22	A			0	57	3.2	0
	B			0	28.5	0	0
	C			0	57	0	2.4
HRI	A HANDRAIL			230	57	40	5.6
	B			0	57	33	0
	C			0	0	20	2.4

Surveyor (print name) M. JOHNSTON / D. JOHNSTON / E. MARCHEESurveyor (signature) [Signature]Reviewed by [Signature]Date 1-8-89



proto-power/blaco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²
NR 2	A HANDRAIL			0	28.5	23	0
	B			0	28.5	13	0
	C			0	28.5	0	2.4
PT1	A PLATFORM SUPPORT POSTS			0	28.5	6.6	2.4
	B			0	28.5	20	0
	C			230	28.5	26	2.4
PT2	A			0	28.5	0	0
	B			0	28.5	0	2.4
	C			0	28.5	16	5.6
PT3	A			0	28.5	0	0
	B			460	28.5	0	0
	C			0	28.5	0	0
PT4	A			230	28.5	0	2.4
	B			0	57	6.6	0
	C			0	28.5	6.6	2.4
PT5	A			0	28.5	6.6	2.4
	B			0	28.5	3.2	0
	C			460	28.5	10	0
PT6	A			0	28.5	6.6	0
	B			0	28.5	13	0
	C			0	28.5	6.6	2.4
PT7	A			0	28.5	10	0
	B			0	28.5	6.6	0
	C			230	28.5	10	0
PT8	A			230	28.5	0	2.4
	B			0	28.5	0	0
	C			230	28.5	3.2	0
PT9	A			0	57	13	2.4
	B			0	57	6.6	0
	C			0	57	6.6	0

Surveyor (print name) E. MARCHESE / B. M. JOHNSON / D. JOHNSONSurveyor (signature) [Signature] Reviewed by [Signature]Date 1-8-89



proto-power/blaco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	$\beta+\gamma$ dpm/100cm ²	$\beta+\gamma$ dpm/100cm ²	$\beta+\gamma$ dpm/100cm ²	α dpm/100cm ²
PT 10	A PLATFORM SUPPORT POSTS			230	0	3.2	2.4
	B			0	0	0	0
	C			0	0	6.6	2.4
PT 11	A			460	0	6.6	0
	B			0	0	10	0
	C			0	0	23	0
PT 12	A			0	57	6.6	0
	B			0	0	3.2	2.4
	C			0	57	3.2	0
NE1	A PLATFORM ROOM LOUISER			0	0	0	0
	B NORTH WALL EXTERIOR			0	0	10	2.4
	C			230	0	0	0
NE2	A			0	0	10	2.4
	B			230	0	26	8.7
	C			460	0	13	0
NE3	A			0	57	13	2.4
	B			0	114	6.6	0
	C			0	0	6.6	2.4
NE4	A			460	0	16	2.4
	B			0	0	20	11
	C			0	0	10	0
NE5	A			0	0	6.5	5.6
	B			0	0	3.2	0
	C			0	0	16	0
NE6	A			230	0	33	0
	B			0	57	43	8.7
	C			230	0	16	0
NE7	A			230	0	30	2.4
	B			0	57	13	0
	C			0	0	0	11

Surveyor (print name) E. MARCHESE / M. JOHNSTON / D. JOHNSTONSurveyor (signature) [Signature] reviewed by [Signature]Date 1-8-89

Original - Survey File, Canary - Field Ops, Pink - Job Site

A0001747 8/88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	$\beta+\gamma$ dpm/100cm ²	$\beta+\gamma$ dpm/100cm ²	$\beta+\gamma$ dpm/100cm ²	$\beta+\gamma$ dpm/100cm ²
NE8	A PLATFORM ROOM LOWER			460	57	40	2.4
	B NORTH WALL EXTERIOR			690	0	16	0
	C ↓			0	57	16	2.4
NE9	A PLATFORM ROOM LOWER			0	0	0	0
	B NORTH WALL INTERIOR			0	0	0	2.4
	C			460	0	13	0
NE10	A			0	0	0	0
	B			0	114	3.2	2.4
	C			0	0	0	0
NE11	A			0	0	13	0
	B			0	0	0	0
	C			0	0	3.2	0
NE12	A			0	0	0	0
	B			0	0	16	0
	C		MA	690	0	0	5.6
NE13	A			0	0	6.6	0
	B			0	57	0	0
	C			0	0	0	5.6
NE14	A			460	0	0	0
	B			0	0	0	0
	C			230	0	0	0
NE15	A			230	0	0	0
	B			0	57	0	0
	C ↓			230	0	0	8.7
WE1	A PLATFORM WEST WALL			460	0	3.2	0
	B EXTERIOR			230	0	3.2	0
	C			0	0	6.6	0
WE2	A			230	0	13	0
	B			230	0	0	0
	C ↓			0	0	0	0

Surveyor (print name) D. JOHNSTON / E. MARCHESE / M. JOHNSTONSurveyor (signature) [Signature]Reviewed by [Signature]

Date

1-8-89



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 63 of 73
NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
WE 3	A PLATFORM WEST WALL	NA	NA	0	0	10	0
	B EXTERIOR			0	0	0	0
	C			0	0	57	5.6
WE 4	A			460	0	3.2	0
	B			460	0	0	0
	C			230	0	0	5.6
WE 5	A			230	0	0	2.4
	B			0	0	3.1	5.6
	C			0	0	10	2.4
WE 6	A			0	0	6.6	0
	B			0	0	10	0
	C			0	0	0	0
WE 7	A			460	0	13	8.7
	B			0	0	0	2.4
	C			0	0	6.6	0
WE 8	A			0	0	3.2	0
	B			230	0	13	0
	C			0	0	0	2.4
PC 1	A PLATFORM ROOM			0	0	0	0
	B CEILING			0	0	3.2	2.4
	C			460	0	0	0
PC 2	A			0	0	47	8.7
	B			0	0	13	5.6
	C			0	0	3.2	0
PC 3	A			460	0	0	0
	B			230	0	3.2	2.4
	C			230	0	50	2.4
PC 4	A			0	0	20	0
	B			0	0	33	0
	C			230	0	0	2.4

Surveyor (print name) D. JOHNSTON / G. MARCHESE / M. JOHNSTONSurveyor (signature) [Signature]Reviewed by [Signature]Date 1-8-89

Original - Survey File, Control - Field Ops, Pink - Job Site

A0001747 8/88



proto-power/blisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	$\beta+\gamma$ dpm/100cm ²	$\beta+\gamma$ dpm/100cm ²	$\beta+\gamma$ dpm/100cm ²	$\beta+\gamma$ dpm/100cm ²
PC 5	A PLATFORM ROOM	NA		230	0	3.1	2.7
	B CEILING			0	0	10	0
	C			0	0	0	0
PC 6	A			230	0	6.6	0
	B			0	0	0	0
	C			0	0	0	0
SS 8	A PLATFORM SOUTH WALL			230	0	0	0
	B EXTERIOR			460	0	60	5.6
	C			0	0	23	2.4
WS 5	A PLATFORM WEST WALL			0	57	13	2.4
	B EXTERIOR			0	0	33	8.7
	C			0	0	47	8.7
W 6	A			460	0	0	5.6
	B			460	0	10	2.4
	C			230	0	6.6	2.4

Surveyor (print name) M. JOHNSTON / D. JOHNSTON / F. MARCHE

Surveyor (signature) [Signature]

Reviewed by [Signature]

Date 1-8-89



proton-power/biseco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
TF1	TANK FLOOR			1150	0	3.2	0
TF2				1610	0	3.2	0
TF3				1610	0	0	0
TF4				1610	0	0	2.4
TF5				1150	0	3.2	0
TF6				960	0	6.6	0
TF7				2300	57	0	0
TF8				2300	0	3.2	0
TF9	↓			2530	0	0	2.4
TE1	TANK EAST WALL			1610	0	6.5	8.7
TE2				1840	0	0	0
TE3				1610	0	6.6	2.4
TE4				1150	57	0	0
TE5				1150	0	3.2	0
TE6	↓			1150	0	1.2	0
TW1	TANK WEST WALL			690	0	16	2.4
TW2				1380	0	0	0
TW3				1380	57	3.2	0
TW4				1610	0	3.1	5.6
TW5				1150	0	6.6	0
TW6	↓			1610	0	13	2.4
TS1	TANK SOUTH WALL			1150	0	3.2	2.4
TS2				1610	0	0	0
TS3				2070	0	6.6	0
TS4				1610	0	0	0
TS5				1610	0	0	0
TS6	↓			1610	0	6.6	0
TN1	TANK NORTH WALL			2300	0	16	2.4
TN2				2700	0	0	0
TN3	↓			1610	0	0	0

Surveyor (print name) A A Musache-JonesSurveyor (signature) [Signature]Reviewed by [Signature]Date 1-8-89



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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 NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
TN4	TANK NORTH WALL	N/A	N/A	1610	0	3.2	0
TN5				1610	0	0	2.4
TN6				1610	0	13	0
TN7				2300	0	3.2	0
PP1A	POLES			1280	0	8.9	2.3
B				960	0	19	2.3
C				960	0	0	5.5
D				640	0	25	2.3
E				960	0	59	11
F				640	0	2.1	2.3
PP2A				320	0	19	8.7
B				960	0	22	8.7
C				640	45	12	0
D				960	0	83	5.5
E				640	0	157	14
F				640	45	25	2.3
PP3A				680	45	12	2.3
B				340	45	5.5	2.3
C				1360	45	46	8.7
D				960	0	2.1	2.3
E				1280	45	0	2.3
F				960	45	127	11
PP4A				340 ²⁴⁰	0	12	0
B				680	0	8.9	0
C				340	0	2.1	5.5
D				1020	0	25	0
E				1020	45	0	2.3
F				1360	0	80	5.5

 Surveyor (print name) R.A. Masarik, Jr. / G. MARONER / DESAINES

 Surveyor (signature) [Signature]

 Reviewed by [Signature]

 Date 1-8-87



proto-power/beeco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

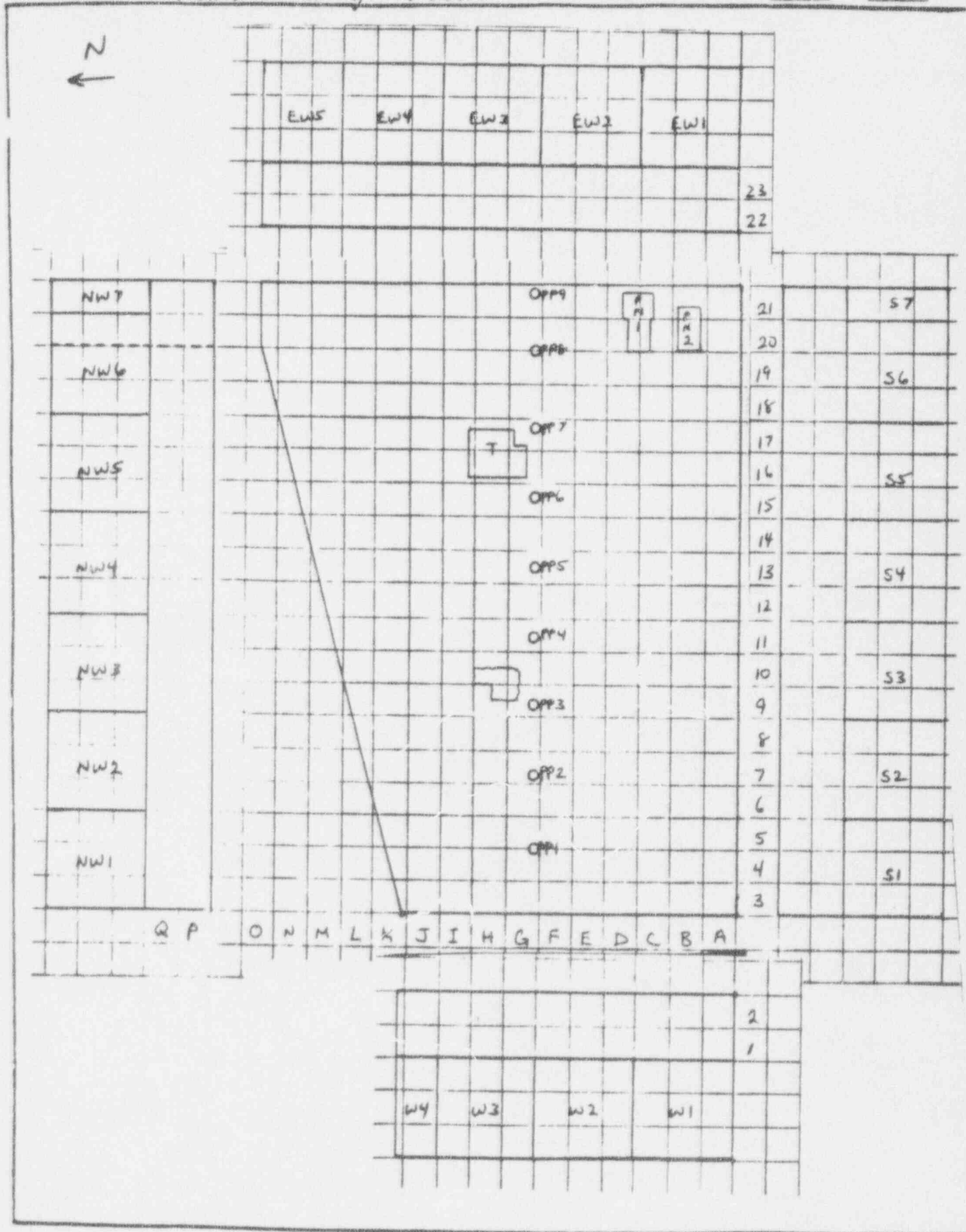
 Page 67 of 73
 NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	γ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
PP5	A POLES			0	45	15	0
	B			0	0	8.9	5.5
	C			1020	90	0	2.3
	D			960	0	5.6	0
	E			960	45	39	0
	F			1280	45	8.9	2.3
PP6	A			340	0	19	0
	B			0	45	29	5.5
	C			0	0	32	5.5
	D			1280	0	36	2.3
	E			960	0	46	2.3
	F			960	0	36	5.5
PP7	A			0	0	25	5.5
	B		N/A	680	0	25	8.7
	C			0	45	8.9	0
	D			960	0	25	0
	E			640	45	12	2.3
	F			320	0	8.9	2.3
PP8	A			0	0	8.9	0
	B			680	45	12	0
	C			0	0	5.6	0
	D			320	0	12	5.5
	E			680	0	2.2	0
	F			1280	0	5.5	2.3
PP9	A			340	0	2.1	2.3
	B			0	0	2.1	2.3
	C			0	90	5.5	2.3
	D			340	0	2.2	0
	E			340	0	5.6	0
	F			680	0	15	2.3

Surveyor (print name) G. MARCHESE / D. STARNESSurveyor (signature) [Signature]Reviewed by [Signature] Date 1-11-19

Manufacturing Room

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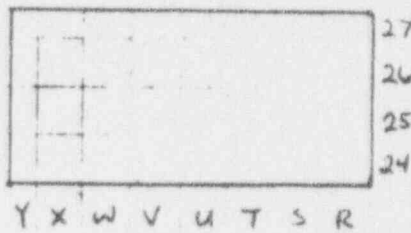
DATE 2-6-89

TIME 1001

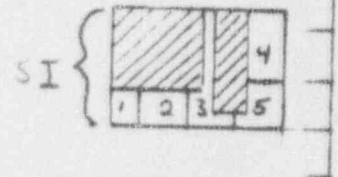
SURVEYOR (PRINT NAME)

John Mansake
1.8 11 1 Q

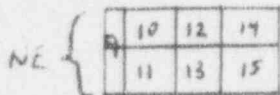
PLATFORM FLOOR



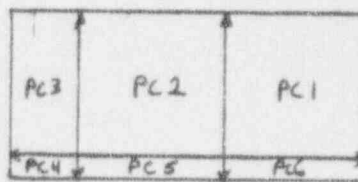
PLATFORM UPPER NORTH WALL INTERIOR



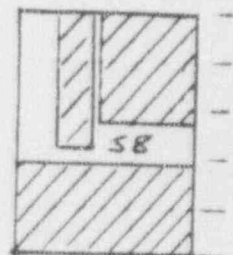
PLATFORM ROOM NORTH WALL LOWER INTERIOR



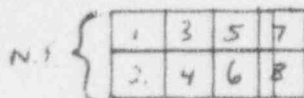
PLATFORM ROOM CEILING



PLATFORM SOUTH WALL EXTERIOR



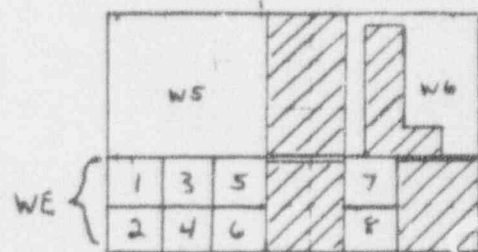
PLATFORM ROOM NORTH WALL LOWER EXTERIOR



PLATFORM WEST WALL UPPER INTERIOR



PLATFORM WEST WALL EXTERIOR



PLATFORM ROOM WEST WALL LOWER INTERIOR



DATE 2-6-89

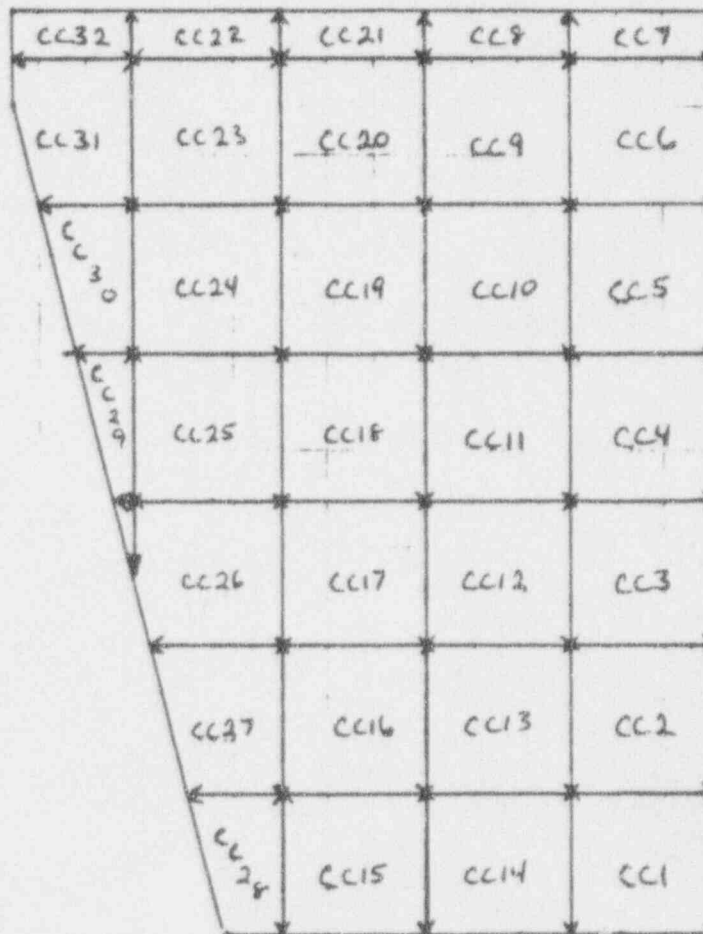
TIME 1000

SURVEYOR (PRINT NAME) R.A. Mansabre-Jones

SURVEYOR (SIGNATURE) Robert Mansabre-Jones

MANUFACTURING Room

Ceiling and piping

DATE 1-11-89TIME 1300SURVEYOR (PRINT NAME) D. LamSURVEYOR (SIGNATURE) [Signature]



proto-powerblisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ R/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
1	Dose Rate Survey	N/A	2.5				
2			1.5				
3			0.5				
4			0.5				
5			0.5				
6			0.5				
7			1.5				
8			1.5				
9			1.5				
10			0.5				
11			0.5				
12			1.5				
13			1.5				
14			2.5				
15			2.5	N/A			N/A
16			1.5				
17			0.5				
18			0.5				
19			0.5				
20			0.5				
21			2.5				
22			2.5				
23			1.5				
24			0.5				
25			0.5				
26			0.5				
27			0.5				
28			2.5				
29			0.5				
30			0.5				
31	✓	✓	0.5				

Surveyor (print name) G. MartoreSurveyor (signature) Original Survey with SignatureReviewed by [Signature]Date 2-5-87Original - Survey File, C. Inary - Field O's, Pink - Job Site on FILE with DISCRAFT

A0001747 8/88

Radiological Control Survey Record
Continuation Sheet

Page 72 of 73
NO.

Surveyor (print name): G Marchese

Surveyor (signature) Original Survey, with signature Reviewed by LMH Date 2-5-89

Original - Survey File, Canary - Field Ops, Pink - Job Site

on file with BISCRAT

A0001747 8/88

A 5x5 grid of points with a trapezoidal region defined by a diagonal line. The grid is numbered 1 to 32, with some numbers missing or crossed out. The diagonal line starts at the top-left corner and goes down to the bottom-left corner, passing through the points (1, 4), (2, 3), (3, 2), and (4, 1). The points to the left of this line are numbered 1 through 9, and the points to the right are numbered 10 through 32. The numbers 1 through 9 are arranged in a triangular pattern: 1 at (4, 1), 2 at (3, 1), 3 at (2, 1), 4 at (1, 1), 5 at (4, 2), 6 at (3, 2), 7 at (2, 2), 8 at (1, 2), and 9 at (4, 3). The numbers 10 through 32 are arranged in a rectangular pattern: 10 at (3, 3), 11 at (2, 3), 12 at (1, 3), 13 at (4, 4), 14 at (3, 4), 15 at (2, 4), 16 at (1, 4), 17 at (4, 5), 18 at (3, 5), 19 at (2, 5), 20 at (1, 5), 21 at (4, 6), 22 at (3, 6), 23 at (2, 6), 24 at (1, 6), 25 at (4, 7), 26 at (3, 7), 27 at (2, 7), 28 at (1, 7), 29 at (4, 8), 30 at (3, 8), 31 at (2, 8), and 32 at (1, 8). The numbers 10 through 32 are all crossed out with a horizontal line.

SURVEYOR (PRINT NAME) G. MARTINEZ

SURVEYOR (SIGNATURE)

biscraft
northeast

Radiological Control Survey Record

NO. _____ Page 1 of 2

DATE 2-15-89

LOCATION: MANUFACT. ROOM

TIME 1645

REASON FOR SPECIAL SURVEY: MATERIAL RELEASE
SURVEY

☐ ROUTINE ☒ SPECIAL

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	γ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
1	XX14 Brown PIPES			760	0	450	0
2	XX1			760	0	450	0
3	XX11			760	0	25	3.2
4	XX12			380	0	201	0
5	XX15A			0	0	351	0
6	XX15 white			380	0	393	7.2
7	XX15 Brown			0	0	146	3.2
8	XX16 white			0	0	538	0
9	XX16 Brown			0	0	36	3.2
10	XX17 white			0	0	36	3.2
11	XX17 Brown			0	0	164	0
12	XX18 Brown			0	0	538	3.2
13	XX18 white			0	0	743	3.2
14	XX18 white			0	0	622	0
15	XX19 white			0	0	701	7.2
16	XX19 Brown			0	0	280	0
17	XX19 PP7 FOLDS - Pipe supports			760	0	30	3.2
18	PP7 FOLDS			760	0	43	3.2

RADIATION SURVEY				CONTAMINATION SURVEY		CONTAMINATION SURVEY	
				INST. L2424		INST/PROBE L2424	
INST.	L-MD 3	L-MD 2		S/N	50718	S/N	50718
S/N	49745	52061		CAL DUE DATE	12-13-89	CAL DUE DATE	12-13-89
CAL DUE DATE	8-12-84	8-15-84		EFF	.38	EFF	.25
C.F.	38	4.5		BKG	90.5	BKG	.26

REMARKS: <u>EXCD = 30.0MB</u>	AIR SAMPLE DATA

Surveyor (print name) D. J. ARNOLD

Surveyor (signature) [Signature]

Reviewed by [Signature]
Date 2-16-89

Radiological Control Survey Record
Continuation Sheet

Page 2 of 2
NO

Surveyor (print name) D. STARNES

Surveyor (signature) D. J. [Signature]

Reviewed by PHM-jm Date 2-16-89

B) Kiln Room, Kiln Storage Room, and Harperizer

NOTES TO SURVEY DATA.

Additional instruments used to perform the direct contamination survey that may not have been included on the first page of the survey.

<u>INSTRUMENT</u>	<u>SERIAL #</u>	<u>CAL. DUE DATE</u>	<u>TYPE</u>
E-120	9113	8-2-89	BETA/GAMMA
E-120	9146	8-2-89	BETA/GAMMA
L-3	46921	8-2-89	BETA/GAMMA
L-3	49892	8-2-89	BETA/GAMMA
L-3	50150	8-12-89	BETA/GAMMA
L-3	49795	8-12-89	BETA/GAMMA
L-3	46966	2-2-89	BETA/GAMMA
L-2	50144	8-2-89	ALPHA
L-2	52093	8-2-89	ALPHA
L-2	52068	8-2-89	ALPHA
L-2	52061	8-12-89	ALPHA
L-3	38656	9-6-89	ALPHA

All instruments where response checked each day of use. An individual correction factor was calculated for instrument and applied when performing the fixed contamination survey.

Part of the package contains survey information on the pipes near and along the ceiling area. The pipes were grouped according to the ceiling area they are located in. The pipe survey labels correspond to the same areas as the ceiling survey. ie: ceiling location: ccl
pipe location: xxl

Each pipe was labeled starting with the letter "A", and continue upward through the alphabet until all pipes in the designated area have been labeled.

biscraft
northeast

Radiological Control Survey Record

NO. _____ Page 1 of 22

DATE 12-8-88

TIME 0940

LOCATION: Spence 14-56, Bldg 6

REASON FOR SPECIAL SURVEY: Killed in P. 100

☐ ROUTINE ☒ SPECIAL

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	γ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
1	F14			0	0	47	15
2	D			150	0	15	0
3	C			500	0	200	0
4	A2 F			1260	0	57	15
5	D			1080	0	64	15
6	-			1260	0	77	5
7	A3 D			500	0	64	0
8	D			1000	0	60	2.5
9	C			500	0	47	2.5
10	A4 D			1000	0	43	5.7
11	B			500	0	57	2.5
12	C			250	0	50	0
13	A5 A			0	0	56	0
14	B			250	0	57	0
15	C			0	0	60	0
16	AL A			250	0	54	0
17	B			1000	0	37	0
18	C			1000	0	43	0

RADIATION SURVEY				$\beta + \gamma$ CONTAMINATION SURVEY		α CONTAMINATION SURVEY	
INST. <u>E-120</u> <u>L-2</u> <u>L-17</u>				INST. <u>E-2000</u>		INST/PROBE <u>E-2000</u>	
S/N <u>70113</u> <u>501114</u> <u>32871</u>				S/N <u>2114</u>		S/N <u>1114</u>	
CAL DUE DATE <u>7/1/89</u> <u>8/2/89</u> <u>8/14/89</u>				CAL DUE DATE <u>7-7-87</u>		CAL DUE DATE <u>9-7-89</u>	
EFF <u>2.29</u>				EFF <u>2.29</u>		EFF <u>2.310</u>	
BKG <u>2.04</u>				BKG <u>2.04</u>		BKG <u>2.04</u>	
REMARKS: <u>2nd = Spence (14-56), All readings corrected for</u>						AIR SAMPLE DATA	
<u>2nd = Spence (14-56), All readings corrected for</u>						<u>2nd = Spence (14-56), All readings corrected for</u>	

Surveyor (print name) Robert G. Miller

Surveyor (signature) Original Surveyor, in the presence of the

Reviewed by R. M. B.

Date 1-30-89



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
19	FLOOR A 7 A			0	0	40	0
20	B			0	0	57	0
21	C			500	0	91	0
22	A 8 A			500	0	43	2.5
23	B			1000	0	50	0
24	C			1000	0	40	2.5
25	A 9 A			1000	0	43	0
26	B			500	0	54	2.5
27	C			0	0	54	0
28	A 10 A			0	0	50	2.5
29	B			0	0	43	0
30	C			0	0	50	2.5
31	A 11 A			0	0	47	0
32	B			0	0	47	0
33	C			0	0	60	0
34	A 12 A		N/A	1000	0	47	0
35	B			500	0	40	2.5
36	C			1250	0	40	0
37	A 13 A			1000	0	43	2.5
38	B			500	0	43	2.5
39	C			500	0	40	0
40	A 14 A			0	0	43	0
41	B			0	0	47	5.7
42	C			0	0	37	0
43	A 15 A			0	0	47	0
44	B			0	0	43	0
45	C			0	0	43	0
46	A 16 A			0	0	40	2.5
47	B			175	135	33	2.5
48	C			175	0	33	2.5

Surveyor (print name) K. Clark, G. Marchese, M. Johnston, D. JohnstonSurveyor (signature) Original Survey, with SignaturesReviewed by PPB Date 12-8-88

Original - Survey File, Canary - Field Ops, Pink - Job Site

A0001747 B/BB



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 3 of 72
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
49	Floor A 17 A			840	0	33	0
50	B			840	0	37	0
51	C			1280	0	40	2.5
52	A 18 A			0	0	40	0
53	B			0	0	43	0
54	C			250	0	26	0
55	A 19 A			0	0	33	2.5
56	B			250	0	37	0
57	C			1500	0	30	0
58	A 20 A			0	0	37	0
59	B			0	110	30	2.5
60	C			0	0	13	5.7
61	A 21 A			0	0	33	2.5
62	B			250	0	37	0
63	C		N/A	250	0	33	0
64	A 22 A			0	0	26	2.5
65	B			0	0	33	0
66	C			500	0	23	0
67	A 23 A			0	0	43	0
68	B			0	0	43	5.7
69	C			0	0	37	0
70	A 24 A			0	0	43	0
71	B			500	0	37	0
72	C			1000	0	37	0
73	A 25 A			250	0	33	2.5
74	B			750	0	37	0
75	C			1000	0	23	2.5
76	A 26 A			0	0	30	5.7
77	B			500	0	50	5.7
78	C			250	0	20	0
-		-	-	-	-	-	-

Surveyor (print name) A. Clark, G. Marchese, M. Johnston, D. JohnsonSurveyor (signature) Original Survey, with SignaturesReviewed by [Signature] Date 12-8-88Original - Survey File, Canary - Field Ops, Pink - Job Site on File with PPB

A0001747 8/88



proto-power/bioco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
79	Floor A 27 A			0	0	23	0
80	B			500	0	23	0
81	C			750	0	20	2.5
82	A 28 A			0	0	26	0
83	B			0	0	41	2.5
84	C			500	0	37	0
85	B 1 A			1000	0	30	2.5
86	B			1000	0	37	0
87	C			1500	0	33	0
88	B 2 A			1260	0	33	2.5
89	B			840	0	33	0
90	C			1260	0	23	0
91	B 3 A			500	0	26	0
92	B			500	0	40	0
93	C			750	0	16	2.5
94	B 4 A			1000	0	13	0
95	B			0	0	13	0
96	C			0	0	20	0
97	B 5 A			0	0	13	0
98	B			0	0	77	5.7
99	C			500	0	87	2.5
100	B 6 A			2000	0	67	2.5
101	B			500	0	81	0
102	C			0	0	84	0
103	B 7 A			500	0	71	2.5
104	B			1000	0	77	2.5
105	C			1500	0	77	2.5
106	B 8 A			0	0	74	0
107	B			0	0	88	0
108	C			0	0	74	0

Surveyor (print name) K. Clark, G. Marchese, M. Johnston, D. JohnstonSurveyor (signature) Original Survey, with SignaturesReviewed by RAH Date 12-8-88

Original - Survey File - Canary - Field Ops. Pink - Job Site, on file with PPB

A0001747 B/88



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

 Page 5 of 22
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
109	FLOOR B 9 A			1250	0	47	0
110	B			750	0	54	2.5
111	C			500	0	81	5.7
112	B 10 A			750	0	74	2.5
113	B			0	0	57	5.7
114	C			250	0	57	8.9
115	B 11 A			0	0	40	0
116	B			0	115	50	0
117	C			0	0	64	0
118	B 12 A			250	0	71	2.5
119	B			0	0	47	0
120	C			250	0	47	2.5
121	B 13 A			500	0	30	0
122	B			500	0	33	0
123	C			250	0	47	0
124	B 14 A			1000	0	26	0
125	B			750	0	43	0
126	C			1250	0	40	2.5
127	B 15 A			1250	0	20	0
128	B			1000	0	26	0
129	C			750	0	33	2.5
130	B 16 A			0	0	33	2.5
131	B			0	115	26	2.5
132	C			0	0	37	0
133	B 17 A			0	0	43	0
134	B			0	0	30	0
135	C			500	0	50	2.5
136	B 18 A			1000	0	40	2.5
137	B			750	0	40	0
138	C			1000	0	43	0

 Surveyor (print name) K. Clark, G. Marchese, M. Johnston, D. Johnston

 Surveyor (signature) Original Survey's, with Signatures Reviewed by [Signature] Date 12-8-88

Original - Survey File; Canary - Field Ops. Pink - Job Site on File with PPB

A0001747 B/88



proto-powerbliss nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
139	FLOOR B 19 A			1250	0	26	5.7
140	B			1250	0	26	0
141	C			1000	0	40	0
142	B 20 A			1680	0	30	2.5
143	B			1680	0	23	5.7
144	C			1260	0	30	5.7
145	B 21 A			1260	0	37	2.5
146	B			840	0	43	2.5
147	C			1680	0	47	0
148	B 22 A			1680	0	33	5.7
149	B			1260	0	30	0
150	C			1260	0	26	2.53
151	B 23 A			1250	0	23	2.5
152	B			750	0	26	0
153	C			500	0	54	0
154	B 24 A			840	0	30	2.5
155	B			1260	0	37	0
156	C			840	0	43	12
157	B 25 A			840	0	26	2.5
158	B			420	0	26	2.5
159	C			1260	0	23	0
160	B 26 A			840	0	16	0
161	B			420	0	26	0
162	C			420	0	23	0
163	B 27 A			840	0	13	0
164	B			1260	0	20	2.5
165	C			1260	0	40	2.5
166	B 28 A			500	0	33	12
167	B			1000	0	23	0
168	C			500	0	23	0
—	—	—	—	—	—	—	—

Surveyor (print name) K. Clark, G. MacCormack, M. Johnston, D. JohnstonSurveyor (signature) Original Survey, with signatures, onReviewed by John Johnston Date 12-3-88Original - Survey File, Canary - Field Ops, Pink - Job Site File with PPB



proto-powerbliss nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
169	Floor C 1 A			500	0	6.6	0
170	B			1500	0	16	2.5
171	C			500	0	20	0
172	C 2 A			1000	0	20	5.7
173	B			500	0	26	2.5
174	C			500	0	23	0
175	C 3 A			1260	0	7.2	0
176	B			1680	0	20	5.7
177	C			1680	0	30	0
178	C 4 A			1260	0	37	5.7
179	B			1260	0	26	0
180	C			1260	0	40	5.7
181	C 5 A			500	110	33	0
182	B			500	0	30	5.7
183	C			1200	0	30	0
184	C 6 A			500	0	47	0
185	B			500	0	33	2.5
186	C			500	0	40	0
187	C 7 A			1500	0	26	2.5
188	B			1000	0	20	0
189	C			1000	0	30	0
190	C 8 A			500	0	37	0
191	B			500	0	30	5.7
192	C			500	0	50	0
193	C 9 A			500	0	30	0
194	B			250	0	20	0
195	C			500	0	23	0
196	C 10 A			0	0	47	0
197	B			500	0	40	0
198	C			250	0	60	12
-		-	-	-	-	-	-

Surveyor (print name) K. Clark, G. Marchese, M. Johnston, D. Johnston

Surveyor (signature) Original Surveys, with signatures

Reviewed by [Signature] Date 10-8-88

Original - Survey File, Canary - Field Ops, Pink - Job Site on File with PPB



proto-power/bioco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
199	FLOOR C 11 A			500	0	74	2.5
200	B			250	0	77	2.5
201	C			500	0	81	2.5
202	C 12 A			0	0	64	0
203	B			500	0	108	2.5
204	C			500	0	1.21	0
205	C 13 A			0	0	1.08	0
206	B			0	0	84	0
207	C			0	0	77	0
208	C 14 A			250	0	64	5.6
209	B			500	0	77	0
210	C			250	0	94	0
211	C 15 A			500	0	60	2.5
212	B			500	0	71	2.5
213	C			500	0	78	5.6
214	C 16 A			250	0	60	2.5
215	B			250	0	71	0
216	C			500	0	64	0
217	C 17 A			1250	0	43	2.5
218	B			500	0	57	0
219	C			500	0	40	0
220	C 18 A			500	0	43	0
221	B			1000	0	57	5.6
222	C			1000	0	54	2.5
223	C 19 A			500	0	40	0
224	B			500	0	37	2.5
225	C			500	0	43	0
226	C 20 A			500	0	23	2.5
227	B			500	0	30	0
228	C			1000	0	20	0

Surveyor (print name) K. Clark, G. Macchese, M. Johnston, D. JohnstonSurveyor (signature) Original Survey, with Signature, or Reviewed by [Signature] Date 12-3-88

Original - Survey File, Canary - Field Ops. Pink - Job Site File with PPB



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
229	FLOOR C 21 A			1000	0	30	0
230	B			1500	0	37	0
231	C			1000	0	37	2.5
232	C 22 A			1500	0	26	2.5
233	B			1000	0	33	0
234	C			1000	0	50	0
235	C 23 A			500	0	47	0
236	B			1000	0	33	0
237	C			500	0	30	2.5
238	C 24 A			500	0	54	0
239	B			1500	0	50	0
240	C			2000	0	77	0
241	C 25 A			1000	0	40	0
242	B			500	0	20	0
243	C			1000	0	30	0
244	C 26 A			500	0	13	2.5
245	B			500	0	20	5.6
246	C			500	0	54	2.5
247	C 27 A			500	0	30	2.5
248	B			500	0	23	2.5
249	C			1500	0	50	0
250	C 28 A			1000	0	30	5.6
251	B			1000	0	30	5.6
252	C			500	0	57	2.5
253	D 1 A			840	0	33	0
254	B			420	0	43	0
255	C			420	0	47	0
256	D 2 A			1260	0	26	0
257	B			1260	0	30	2.5
258	C			420	0	47	0

Surveyor (print name) K. Clark, G. Marshese, M. Johnston, D. Johnston

Surveyor (signature) Original Surveyor, with Signatures

Reviewed by R. Marshese

Date 12-8-88

Original - Survey File: Canary - Field Ops. Pink - Job Site on File with PPB



proto-power/bischo nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/h	γ mr/h	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
259	FLOOR D 3 A			420	0	26	2.5
300	B			840	0	43	0
301	C			840	0	37	2.5
302	D 4 A			1260	0	26	0
303	B			1680	0	23	0
304	C			420	0	26	0
305	D 5 A			420	0	23	0
306	B			1260	0	37	0
307	C			1260	0	30	0
308	D 6 A			1260	0	20	0
309	B			420	0	33	0
310	C			1680	0	37	5.6
311	D 7 A			420	0	13	0
312	B			1260	0	33	0
313	C			420	0	37	0
314	D 8 A			420	0	16	0
315	B			0	0	26	0
316	C			420	0	30	0
317	D 9 A			840	0	50	0
318	B			840	115.0	30	2.5
319	C			1260	0	23	0
320	D 10 A			420	0	20	0
321	B			420	0	26	0
322	C			1680	0	40	0
323	D 11 A			420	0	26	0
324	B			840	0	33	2.5
325	C			420	0	26	2.5
326	D 12 A			840	0	23	0
327	B			840	0	26	5.6
328	C			420	0	57	5.6
—	—	—	—	—	—	—	—

Surveyor (print name) K. Clark, G. Marchese, M. Johnson, D. JohnsonSurveyor (signature) Original Survey with SignaturesReviewed by [Signature]Date 12-8-88

Original - Survey File, Canary, Field Ops., Pink - Job Site or File with PPB

A0001747 B/88



proto-power/bisec nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
329	FLOOR D 13 A			1260	0	33	2.5
330	B			1260	230.0	37	0
331	C			1260	0	26	2.5
332	D 14 A			840	0	33	0
333	B			1260	0	20	0
334	C			1260	0	47	2.5
335	D 15 A			420	230.0	40	2.5
336	B			420	0	13	2.5
337	C			1260	0	20	5.6
338	D 16 A			1680	0	43	5.6
339	B			1260	0	37	8.8
340	C			840	0	40	5.6
341	D 17 A			1260	0	47	15
342	B			840	0	50	2.5
343	C		NA	840	0	50	2.5
344	D 18 A			420	0	54	2.5
345	B			420	0	54	0
346	C			840	0	64	0
347	D 19 A			1260	0	54	0
348	B			1260	0	47	2.5
349	C			1680	115.0	33	5.6
350	D 20 A			1260	0	47	2.5
351	B			420	0	37	5.6
352	C			420	0	50	2.5
353	D 21 A			840	0	43	2.5
354	B			840	0	37	5.6
355	C			840	0	30	0
356	D 22 A			420	0	54	5.6
357	B			1260	0	47	0
358	C			840	0	57	0
-		-	-	-	-	-	-

Surveyor (print name) K. Clark, G. Marchese, M. Johnston, D. JohnsonSurveyor (signature) Original Survey, with signaturesReviewed by [Signature] Date 12-8-88

Original - Survey File, Canary - Field Ops, Pink - Job Site or File with PAB

A0001747 8/86



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
359	FLOOR D 23 A			1260	0	50	0
360	B			1260	0	33	0
361	C			420	0	40	2.5
362	D 24 A			1260	0	40	0
363	B			420	0	47	0
364	C			840	0	23	0
365	D 25 A			840	0	26	0
366	B			1680	0	26	0
367	C			840	0	26	0
368	D 26 A			1680	0	47	0
369	B			420	0	30	2.5
370	C			420	0	20	2.5
371	D 27 A			1260	0	26	0
372	B			840	0	16	2.5
373	C			1260	0	23	0
374	D 28 A			840	0	30	0
375	B			420	0	23	0
376	C			420	0	23	0
377	E 1 A			840	0	23	0
378	B			1680	0	26	0
379	C			420	0	16	0
380	E 2 A			840	0	43	0
381	B			420	0	30	0
382	C			420	0	33	0
383	E 3 A			420	0	26	2.5
384	B			840	0	26	0
385	C			420	0	26	0
386	E 4 A			1260	0	40	2.5
387	B			1260	0	26	0
388	C			420	0	26	0
—	—	—	—	—	—	—	—

Surveyor (print name) A. Clark, G. Marchese, M. Tebarte, P. TebarteSurveyor (signature) ORIGIN Survey's, with Signatures, or Reviewed by JA Marchese Date 12-2-88Original - Survey File, Canary - Field Ops, Pink - Job Site File with PFB



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
389	FLOOR E 5 A			840	0	37	0
390	B			840	0	23	0
391	C			420	0	23	0
392	E 6 A			1260	0	30	2.5
393	B			420	0	26	0
394	C			420	0	26	0
395	E 7 A			1260	0	23	0
396	B			1260	0	13	0
397	C			840	0	20	0
398	E 8 A			420	0	26	0
399	B			420	0	30	2.5
400	C			840	0	30	0
401	E 9 A			840	0	43	0
402	B			420	0	26	0
403	C			420	0	43	2.5
405	E 10 A			1260	0	37	0
406	B			840	0	37	0
407	C			420	0	33	0
408	E 11 A			840	0	33	5.7
409	B			420	0	20	0
410	C			420	0	23	0
411	E 12 A			1680	0	43	2.5
412	B			840	0	37	2.5
413	C			840	0	13	0
414	E 13 A			420	0	23	0
415	B			1260	0	26	0
416	C			1260	0	40	2.5
417	E 14 A			840	0	16	5.7
418	B			840	0	30	0
419	C			840	0	30	2.5

Surveyor (print name) G. Marchese, M. Johnston, D. JohnstonSurveyor (signature) Original Survey, with Signatures, on Reviewed by [Signature] Date 12-2-88Original - Survey File, Canary - Field Ops, Pink - Job Site File with PPB



proto-power/bleed nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	γ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
420	FLOOR E 15 A			420	0	23	0
421	B			840	0	26	0
422	C			1260	0	33	5.6
423	E 16 A			1260	0	30	0
424	B			840	0	43	0
425	C			1680	0	43	0
426	E 17 A			840	0	37	2.5
427	B			420	0	23	0
428	C			840	0	30	0
429	E 18 A			1260	0	37	2.5
430	B			1260	0	33	2.5
431	C			1680	0	30	0
432	E 19 A			420	0	37	0
433	B			840	0	23	2.5
434	C			420	0	37	0
435	E 20 A			840	0	16	0
436	B			840	0	26	0
437	C			1260	0	26	2.5
438	E 21 A			840	0	30	2.5
439	B			420	0	132	0
440	C			1260	0	173	0
441	E 22 A			420	0	146	2.2
442	B			420	0	122	2.2
443	C			1680	0	105	2.2
444	E 23 A			1260	0	102	0
445	B			1680	0	75	0
446	C			840	0	85	0
447	E 24 A			1680	0	85	0
448	B			1680	0	51	0
449	C			1260	0	54	2.2
-							

Surveyor (print name) G. DeSoto, M. Johnson, D. JohnsonSurveyor (signature) Original Surveys with SignaturesReviewed by AKM Date 12-2-88

Original - Survey File, Canary - Field Ops. Pink - Job Site on File with PPB

A0001747 8/88



proto-power/biacc nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
450	FLOOR E 25 A			1680	0	78	0
451	B			1260	0	51	0
452	C			1260	0	58	2.2
453	F 26 A			840	0	54	0
454	B			1260	0	48	0
455	C			1260	0	75	2.2
456	E 27 A			1680	0	61	0
457	B			1260	0	54	0
458	C			420	0	75	0
459	E 28 A			840	0	58	0
460	B			420	0	44	2.2
461	C			420	0	58	0
462	F 1 A			420	0	68	0
463	B			840	0	54	0
464	C			840	0	51	2.2
465	F 2 A			420	0	61	2.2
466	B			840	0	51	0
467	C			420	0	38	0
468	F 3 A			420	0	68	2.2
469	B			1260	0	54	0
470	C			1260	0	48	0
471	F 4 A			840	0	51	0
472	B			840	0	31	2.2
473	C			840	0	38	0
474	F 5 A			840	0	51	0
475	B			420	0	44	0
476	C			1260	0	54	2.2
477	F 6 A			840	0	58	0
478	B			1260	0	31	0
479	C			420	0	24	0
—	—	—	—	—	—	—	—

Surveyor (print name) G. Marchese, D. Johnston, M. JohnstonSurveyor (signature) Original Survey, with SignaturesReviewed by PPB Date 12-8-88

Original - Survey File, Canary - Field Ops, Pink - Job Site on File with PPB

A0001747 8/88



proto-power/bliss nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
480	FLOOR F 7 A			420	0	65	0
481	B			420	0	44	0
482	C			840	0	51	5.3
483	F 8 A			1260	0	44	0
484	B			1260	0	38	0
485	C			420	0	34	2.2
486	F 9 A			420	0	61	2.2
487	B			840	0	48	2.2
488	C			420	115.0	31	2.2
489	F 10 A			840	0	34	0
490	B			840	0	24	2.2
491	C			1260	0	24	0
492	F 11 A			1260	0	31	2.2
493	B			1680	0	24	0
494	C			840	0	31	0
495	F 12 A			840	0	24	5.3
496	B			420	0	14	0
497	C			840	0	44	0
498	F 13 A			840	0	21	0
499	B			840	0	34	5.3
500	C			1260	0	27	0
501	F 14 A			1680	0	38	0
502	B			1680	0	14	5.3
503	C			1260	0	27	0
504	F 15 A			420	0	31	0
505	B			420	0	44	0
506	C			420	0	27	0
507	F 16 A			420	0	27	0
508	B			840	0	14	5.3
509	C			420	0	14	0

Surveyor (print name) G. Marchese, M. Johnston, D. Johnston

Surveyor (signature) Original Survey, with Signatures

Reviewed by [Signature] Date 12-8-88

Original - Survey File; Canary - Field Ops; Pink - Job Site on File with PPB



proto-powerblanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
510	FLOOR F 17 A			1260	0	31	0
511	B			1260	0	17	0
512	C			1260	0	27	0
513	F 18 A			420	0	21	0
514	B			1260	0	10	0
515	C			840	0	14	0
516	F 19 A			420	0	4.1	0
517	B			420	0	7.4	2.2
518	C			420	0	17	2.2
519	F 20 A			840	0	10	0
520	B			1260	0	0	5.3
521	C			840	0	0	2.2
522	F 21 A			840	0	14	0
523	B			840	0	10	0
524	C			840	0	7.4	0
525	F 22 A			840	0	20	5.3
526	B			840	0	0	5.3
527	C			420	0	7.4	0
528	F 23 A			840	0	37	2.2
529	B			1260	0	4.1	0
530	C			1260	0	21	0
531	F 24 A			1260	0	7.4	2.2
532	B			420	0	4.0	2.2
533	C			420	0	0	2.2
534	F 25 A			840	0	17	2.2
535	B			420	0	16	0
536	C			840	0	.65	5.3
537	F 26 A			420	0	0	0
538	B			840	0	0	5.3
539	C			840	0	424	0
—	—	—	—	—	—	—	—

Surveyor (print name) G. Marchese, M. Johnston, D. JohnstonSurveyor (signature) Original Survey, with SignaturesReviewed by RA M. Jones Date 12-8-80

Original - Survey File, Canary - Field Ops, Pink - Job Site on File with PPB

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Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
540	FLOOR F 27 A			840	0	451	0
541	B			420	0	221	0
542	C			420	0	160	0
543	F 28 A			420	0	146	0
544	B			1260	0	88	0
545	C			420	0	68	0
546	G 1 A			840	0	51	0
547	B			840	0	21	0
548	C			420	0	48	0
549	G 2 A			1260	0	31	0
550	B			420	0	17	0
551	C			840	0	10	0
552	G 3 A			500	0	4.1	0
553	B			1000	0	7.4	2.2
554	C			1000	0	7.4	2.2
555	G 4 A			1000	0	17	0
556	B			500	0	14	0
557	C			1000	0	4.1	0
558	G 5 A			500	0	.71	0
559	B			1500	0	.71	0
560	C			500	0	4.1	0
561	G 6 A			500	0	7.4	2.2
562	B			1000	0	7.4	0
563	C			1500	0	0	2.2
564	G 7 A			1000	0	4.1	0
565	B			1000	0	0	0
566	C			500	0	.71	0
567	G 8 A			500	0	.68	2.2
568	B			500	0	0	0
569	C			1500	0	4.1	2.2

Surveyor (print name) G. Marchese, M. Johnston, D. EkanemSurveyor (signature) Original Survey with SignaturesReviewed by RA M. Jones Date 12-8-88

Original - Survey File, Canary - Field Ops, Pink - Job Site on File with PPB



proto-powerbliss nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
570	FLOOR B 9 A			1000	0	4.0	2.2
571				1500	0	.688	0
572				500	0	.71	0
573	B 10 A			500	0	.71	0
574				500	0	4.1	0
575				500	0	0	2.2
576	B 11 A			1000	0	14	0
577				1500	0	0	0
578				1500	0	0	0
579	C 12 A			1500	0	0	5.3
580				500	0	.71	0
581				1500	0	7.4	0
582	C 13 A			1000	0	0	0
583				1000	0	7.4	0
584				1500	0	17	0
585	B 14 A			1500	0	.71	0
586				500	0	7.4	5.3
587				1000	0	4.1	0
588	B 15 A			1000	0	.71	0
589				1000	0	0	5.3
590				500	0	7.4	2.2
591	B 16 A			500	0	0	2.2
592				500	0	.71	0
593				500	0	4.1	0
594	B 17 A			500	0	.71	0
595				1000	0	0	0
596				500	0	7.4	2.2
597	B 18 A			500	0	0	0
598				500	0	7.4	5.3
599				1000	0	.71	0

Surveyor (print name) G. Marchese, M. Johnston, D. JirovskiSurveyor (signature) Original Surveys with SignaturesReviewed by RA M. Jones Date 12-7-88

Original - Survey File, Canary - Field Ops., Pink - Job Site on File with PPB



proto-power/bios nuclear, inc.

Radiological Control Survey Record
Continuation SheetPage 20 of 72
NO.

Rev

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
606	FLOOR G 19 A			1500	0	0	2.2
607	B			1000	0	0	2.2
608	C			1000	0	0	0
609	G 20 A			1000	0	0	0
610	B			500	0	0	2.2
611	C			1000	0	4.0	2.2
612	G 21 A			500	0	0	0
613	B			500	0	0	0
614	C			1000	0	4.1	0
615	G 22 A			1500	0	0	0
616	B			1500	0	0	0
617	C			1500	0	0	0
618	G 23 A			500	0	7.4	0
619	B			1000	0	0	0
620	C			1000	0	.65	5.3
621	G 24 A			1500	0	0	0
622	B			500	0	.71	0
623	C			500	0	.65	5.3
624	G 25 A			500	0	.71	0
625	B			1000	0	4.0	2.2
626	C			500	0	14	2.2
627	G 26 A			1000	0	7.4 ^M	0
628	B			500	0	7.4	0
629	C			1500	0	.58	11
630	G 27 A			1500	0	0	8.5
631	B			500	0	0	2.2
632	C			500	0	.71	0
633	G 28 A			500	0	0	0
634	B			1000	0	0	0
635	C			1000	0	0	0

Surveyor (print name) G. Marchese, M. Johnston, D. JohnstonSurveyor (signature) Original Survey with Signatures

Original - Survey File, Canary - Field Ops. Pink - Job Site on file with PPB

Reviewed by PA M. JohnstonDate 1-2-88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
630	FLOOR H 1 A			420	0	0	0
631	B			840	0	0	0
632	C			840	0	.68	2.2
633	H 2 A			840	0	0	0
634	B			420	0	0	2.2
635	C			420	0	4.0	2.2
636	H 3 A			420	1150	0	2.2
637	B			420	0	7.4	0
638	C			420	0	0	0
639	H 4 A			420	0	895	0
640	B			420	0	48	0
641	C			420	0	0	8.5
642	H 5 A			840	0	.71	0
643	B			420	0	0	0
644	C		NA	420	0	0	2.2
645	H 6 A			840	0	0	0
646	B			840	0	0	0
647	C			420	0	0	2.2
648	H 7 A			840	0	7.4	0
649	B			840	0	0	0
650	C			1260	0	.71	0
651	H 8 A			420	115.0	0	0
652	B			840	0	.68	2.2
653	C			840	0	0	5.3
654	H 9 A			420	0	7.4	0
655	B			420	0	.65	5.3
656	C			420	0	7.4	5.3
657	H 10 A			840	0	4.1	0
658	B			840	0	0	0
659	C			420	0	0	2.2

Surveyor (print name) G. Marchese, M. Johnston, D. Johnston

Surveyor (signature) Original Survey, with Signatures

Reviewed by J.M. Jones

Date 12-8-88

Original - Survey File, Canary - Field Ops, Pink - Job Site on file with PPB



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
660	FLOOR H 11 A			420	0	.68	2.2
661	B			420	0	7.4	
662	C			840	0	.68	2.2
663	H 12 A			420	0	24	5.3
664	B			840	0	0	5.3
665	C			840	0	10	0
666	H 13 A			840	0	.71	0
667	B			420	0	4.0	2.2
668	C			420	0	0	0
669	H 14 A			840	0	0	2.2
670	B			840	0	0	2.2
671	C			420	0	0	0
672	H 15 A			420	0	.68	2.2
673	B			420	0	.65	5.3
674	C			420	0	0	0
675	H 16 A			840	0	0	0
676	B			420	0	0	2.2
677	C			840	0	0	2.2
678	H 17 A			840	0	0	2.2
679	B			840	0	4.1	0
680	C			420	0	4.0	2.2
681	H 18 A			420	0	0	0
682	B			420	0	.68	2.2
683	C			420	0	0	0
684	H 19 A			0	0	0	0
685	B			0	115.0	0	2.2
686	C			420	0	0	0
687	H 20 A			420	0	7.4	0
688	B			420	0	0	0
689	C			420	0	0	0

Surveyor (print name) G. Marchese, M. Johnston, D. JohnstonSurveyor (signature) Original Survey, with SignaturesReviewed by RA M. JonesDate 12-7-88

Original - Survey File, Canary - Field Ops, Pink - Job Site on File with PPB



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
690	FLOCK H 21 A			420	0	.71	0
691	B			840	0	0	0
692	C			1260	0	4.0	2.2
693	H 22 A			1680	0	0	0
694	B			1680	0	1.0	2.2
695	C			1260	0	0	0
696	H 23 A			1680	0	7.4	2.2
697	B			1680	0	.71	0
698	C			1680	0	0	2.2
699	H 24 A			1260	0	.71	0
700	B			840	0	.71	0
701	C			420	0	.68	2.2
702	H 25 A			420	0	0	0
703	B			420	0	4.1	0
704	C			840	0	0	0
705	H 26 A			840	0	0	2.2
706	B			420	0	.68	2.2
707	C			420	0	7.4	0
708	H 27 A			420	0	0	2.2
709	B			420	0	0	0
710	C			420	0	.71	0
711	I 1 A			500	0	7.4	0
712	B			500	0	0	0
713	C			500	0	.71	0
714	I 2 A			500	0	0	0
715	B			500	0	0	0
716	C			1000	0	0	0
717	I 3 A			500	0	4.1	0
718	B			500	0	0	2.2
719	C			500	0	0	0

Surveyor (print name) G. Marchese, M. Johnston, D. JohnstonSurveyor (signature) Original Survey, with SignaturesReviewed by AM-J Date 12-7-88

Original - Survey File, Canary - Field Ops, Pink - Job Site or File with PPB

A0001747 8/88



proto-powerblaze nuclear, inc.

Radiological Control Survey Record
Continuation SheetPage 24 of 72
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/yr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta+\gamma$ dpm/100cm ²	α dpm/100cm ²
720	FLOOR I 4 A			0	0	7.4	0
721	B			5	0	1.68	2.2
722	C			25	0	0	0
723	I 5 A			100	0	0	0
724	B			500	0	0	0
725	C			500	0	10	0
726	I 6 A			500	0	7.4	0
727	B			1000	0	0	0
728	C			1000	0	0	0
729	I 7 A			1000	0	0	2.2
730	B			1500	0	0	0
731	C			1000	0	0	0
732	I 8 A			500	0	0	0
733	B			1000	0	4.0	2.2
734	C			1100	0	0	2.2
735	I 9 A			500	0	0	0
736	B			500	0	0	0
737	C			500	0	0	0
738	I 10 A			1000	0	0	0
739	B			500	0	322	0
740	C			1000	0	54	0
741	I 11 A			500	0	71	0
742	B			500	0	0	2.2
743	C			500	0	0	2.2
744	I 12 A			500	0	71	0
745	B			500	0	0	0
746	C			1000	0	0	0
747	I 13 A			1000	0	71	0
748	B			500	0	71	0
749	C			1000	0	7.4	2.2

Surveyor (print name) G. Marshall, M. Johnson, D. Johnson

Surveyor (signature) Original Survey, with Signatures

Original - Survey File, Canary - Field Ops, Pink - Job Site or File with PPB

Reviewed by M. Johnson

Date 12-8-88

A0001747 8/88



proto-power/blaco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
750	FLOOR I 14 A			1000	0	.71	0
751	B			500	0	0	0
752	C			500	0	.68	2.2
753	I 15 A			1000	0	.71	0
754	B			1000	0	4.0	2.2
755	C			1000	0	0	0
756	I 16 A			1500	0	0	0
757	B			1000	0	0	0
758	C			1000	0	.65	5.3
759	I 17 A			1500	0	.68	2.2
760	B			1000	0	7.4	0
761	C			1500	0	0	0
762	I 18 A			1000	0	0	0
763	B			1000	0	0	0
764	C			500	0	0	2.2
765	I 19 A			500	0	0	0
766	B			500	0	10	2.2
767	C			500	0	0	2.2
768	I 20 A			500	0	0	0
769	B			1000	0	.68	2.2
770	C			500	0	4.1	0
771	I 21 A			1000	0	.68	2.2
772	B			1500	0	4.1	0
773	C			2000	0	0	0
774	I 22 A			1000	0	0	0
775	B			1500	0	0	0
776	C			1500	0	0	0
777	I 23 A			2000	0	0	0
778	B			2000	0	0	0
779	C			2000	0	.71	0

Surveyor (print name) G. Marchese, M. Johnston, D. JohnstonSurveyor (signature) Original Survey with Signatures Reviewed by PPB Date 12-8-88

Original - Survey File, Canary - Field Ops., Pink - Job Site on file with PPB



proto-power/bioco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
780	FLOOR I 24 A			1500	0	.71	0
781	B			1000	0	0	2.2
782	C			500	0	0	0
783	J 1 A			1260	0	0	2.2
784	B			1680	0	0	5.3
785	C			840	0	0	0
786	J 2 A			1260	0	0	0
787	B			1260	0	0	0
788	C			1260	0	0	0
789	J 3 A			840	0	14	2.2
790	B			840	0	0	0
791	C			1260	0	4.1	0
792	J 4 A			840	0	6.8	2.2
793	B			1260	0	0	5.3
794	C			840	0	0	0
795	J 5 A			840	0	0	0
796	B			420	0	.71	0
797	C			1260	0	.65	5.3
798	J 6 A			1680	0	0	0
799	B			1680	0	.71	0
800	C			1260	0	7.4	5.3
801	J 7 A			840	0	4.1	0
802	B			1260	0	0	0
803	C			1680	0	0	0
804	J 8 A			1260	0	0	2.2
805	B			840	0	0	2.2
806	C			840	0	0	0
807	J 9 A			840	0	0	2.2
808	B			840	0	0	5.3
809	C			840	0	7.4	2.2

Surveyor (print name) G. Marchese, M. Johnson, D. JohnsonSurveyor (signature) Original Survey with SignaturesReviewed by AMJDate 12-8-88

Original - Survey File: Canary - Field Ops - Pink - Job Site or File with PPB



proto-power/bioco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
810	FLOOR J 10 A			840	0	.71	0
811	B			840	0	0	2.2
812	C			420	0	4.0	2.2
813	J 11 A			840	0	.71	0
814	B			840	0	0	0
815	C			840	0	0	2.2
816	J 12 A			1260	0	0	0
817	B			840	0	0	0
818	C			1260	0	0	2.2
819	J 13 A			1260	0	0	0
820	B			420	0	.71	0
821	C			420	0	0	0
822	J 14 A			420	0	0	0
823	B			840	0	0	0
824	C			420	0	0	2.2
825	J 15 A			1260	0	0	0
826	B			420	0	10	0
827	C			1260	0	0	0
828	J 16 A			840	0	0	0
829	B			420	0	0	2.2
830	C			420	0	.71	0
831	J 17 A			420	0	.71	0
832	B			840	0	0	5.3
833	C			840	0	.68	2.2
834	J 18 A			420	0	0	0
835	B			840	0	0	0
836	C			1260	0	0	0
837	J 19 A			420	0	10	2.2
838	B			840	0	0	2.2
839	C			420	0	2.5	0

Surveyor (print name) G Marchese, M Johnston, D Johnston

Surveyor (signature) Original Surveyor, with Signature Reviewed by RAM-J Date 12-7-88

Original - Survey File, Canary - Field Ops., Pink - Job Site on file with PPB



proto-power/disco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
840	FLUOR J 20 A			420	0	0	0
841	B			420	0	0	2.5
842	C			840	0	5.9	0
843	J 21 A			840	0	0	0
844	B			1260	0	0	0
845	C			840	0	544	0
846	J 22 A			840	0	456	3.0
847	B			840	0	487	0
848	C			420	0	487	0
849	J 23 A			840	0	453	3.0
850	B			1260	0	487	0
851	C			840	0	524	0
852	J 24 A			420	0	277	0
853	B			420	0	307	3.6
854	C			840	0	338	0
855	K 1 A			1000	0	233	0
856	B			500	0	182	0
857	C			500	0	216	0
858	K 2 A			500	0	97	0
859	B			500	0	90	0
860	C			500	0	107	0
861	K 3 A			500	0	66	0
862	B			1000	0	9.3	0
863	C			1000	0	9.3	3.0
864	K 4 A			1000	0	0	3.0
865	B			1000	0	0	3.0
866	C			500	0	0	0
867	K 5 A			1000	0	0	3.0
868	B			500	0	0	0
869	C			500	0	0	3.0

Surveyor (print name) G. Marchese, M. Johnson, D. JohnsonSurveyor (signature) Original Survey with Signatures Reviewed by RAM Date 12-8-88

Original - Survey File, Canary - Field Ops, Pink - Job Site on File with PPB



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta+\gamma$ dpm/100cm ²	α dpm/100cm ²
870	FLOOR K 6 A			1000	0	0	6.1
871	B			1000	0	5.9	3.0
872	C			1500	0	0	0
873	K 7 A			1500	0	5.9	3.0
874	B			1000	0	5.9	0
875	C			1000	0	2.5	6.1
876	K 8 A			1000	0	0	0
877	B			1000	0	0	0
878	C			500	0	0	0
879	K 9 A			1000	0	0	0
880	B			1500	0	5.9	3.0
881	C			1500	0	0	0
882	K 10 A			1500	0	0	0
883	B			2000	0	0	0
884	C			1000	0	0	0
885	K 11 A			500	0	0	0
886	B			500	0	0	0
887	C			500	0	0	0
888	K 12 A			500	0	0	0
889	B			500	0	0	0
890	C			500	0	0	3.0
891	K 13 A			500	0	0	0
892	B			1000	0	0	6.1
893	C			1000	0	2.5	0
894	K 14 A			500	0	0	0
895	B			500	0	0	6.1
896	C			1000	0	0	3.0
897	K 15 A			1000	0	0	3.0
898	B			1000	0	0	0
899	C			500	0	0	3.0

Surveyor (print name) G. Marchese, M. Johnston, D. JohnsonSurveyor (signature) Original, Survey, with signaturesReviewed by R.M. JonesDate 12-8-88

Original - Survey File, Canary - Field Ops, Pink - Job Site on file with PPB

A0001747 8/88



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
900	FLOOR K 16 A			500	0	0	6.1
901	B			1000	0	5.9	3.0
902	C			1500	0	0	0
903	K 17 A			840	0	5.9	0
904	B			840	0	0	3.0
905	C			840	0	0	0
906	K 18 A			1500	0	0	3.0
907	B			1000	0	0	9.3
908	C			500	0	0	3.0
909	K 19 A			500	0	0	0
910	B			1000	0	0	3.0
911	C			1000	0	0	0
912	K 20 A			500	0	0	0
913	B			1500	0	0	0
914	C			500	0	0	3.0
915	K 21 A			500	0	0	0
916	B			1000	0	0	0
917	C			1000	0	0	6.1
918	K 22 A			1000	0	0	3.0
919	B			500	0	0	0
920	C			500	0	0	3.0
921	K 23 A			1000	0	0	3.0
922	B			500	0	2.5	3.0
923	C			500	0	2.5	0
924	K 24 A			500	2300	0	3.0
925	B			1000	0	0	0
926	C			1000	0	0	0
927	L 1 A			840	0	0	0
928	B			840	0	0	0
929	C			420	0	0	3.0

Surveyor (print name) J. Marchese, M. Johnston, D. JohnstonSurveyor (signature) Original Survey, with SignaturesReviewed by R.M. JonesDate 12-8-88

Original - Survey File, Canary - Field Ops, Pink - Job Site or File with PPB

A0001747 B/58



proto-powerblase nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
930	FLOOR L 2 A			840	0	0	0
931	B			420	0	0	3.0
932	C			840	0	0	0
933	L 3 A			840	0	0	3.0
934	B			420	0	0	3.0
935	C			840	0	9.3	0
936	L 4 A			1260	0	0	0
937	B			420	0	0	0
938	C			420	0	5.9	0
939	L 5 A			420	0	348	0
940	B			840	0	9.3	3.0
941	C			420	0	0	3.0
942	L 6 A			1260	0	0	0
943	B			420	0	9.3	0
944	C		N/A	420	0	0	0
945	L 7 A			420	0	0	6.1
946	B			840	0	0	9.3
947	C			1260	0	0	3.0
948	L 8 A			420	0	9.3	3.0
949	B			840	0	2.5	3.0
950	C			840	0	0	3.0
951	L 9 A			840	0	0	3.0
952	B			1260	0	0	3.0
953	C			1260	0	0	0
954	L 10 A			1260	0	0	0
955	B			420	0	12	0
956	C			840	0	0	3.0
957	L 11 A			420	0	0	3.0
958	B			1260	0	0	0
959	C			840	0	5.9	0

Surveyor (print name) G. Martinez, M. Johnston, D. JohnstonSurveyor (signature) Original Survey, with Signatures, Reviewed by RAM-J Date 12-10-88

Original - Survey File, Canary - Field Ops, Pink - Job Site on file with PPB



proto-power/bioco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
960	FLOOR L 12 A						
961				420	0	0	3.0
962				420	0	0	0
963				420	0	0	0
964	L 13 A			420	0	0	0
965				840	135	0	3.0
966				420	0	5.9	0
967	L 14 A			420	0	0	6.1
968				1260	0	0	0
969				420	0	0	3.0
970	L 15 A			420	0	0	3.0
971				420	0	0	3.0
972				840	0	0	0
973	L 16 A			840	0	0	0
974				840	0	0	0
975				840	0	2.5	0
976	L 17 A			840	0	12	0
977				840	0	0	0
978				420	0	0	0
979	L 18 A			420	0	0	0
980				420	225	0	0
981				1260	0	0	0
982	L 19 A			1260	0	5.9	0
983				1260	45	0	3.0
984				420	0	0	9.3
985	L 20 A			840	0	0	0
986				840	0	0	3.0
987				1260	0	9.3	0
988	L 21 A			1260	0	0	0
989				1260	0	0	3.0
				420	0	0	3.0

Surveyor (print name) G. Mauborg, M. Tabastan, D. Tabastan

Surveyor (signature) Original Surveys, with Signatures

Original - Survey File, Canary - Field Ops. Pink - Job Site on File with PPB

Reviewed by R. M. Jr.

Date 12-11-88



proto-powerbliss nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/yr	γ mrad/yr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
990	FLOOR L 22 A			840	0	0	0
991	B			420	0	0	0
992	C			1260	0	2.6	0
993	L 23 A			1680	0	0	0
994	B			420	0	0	0
995	C			840	0	0	0
996	L 24 A			840	0	0	0
997	B			420	0	0	0
998	C			840	0	0	0
999	M 1 A			840	0	0	0
1000	B			1260	0	0	0
1001	C			1260	0	0	0
1002	M 2 A			420	0	0	0
1003	B			1260	0	0	3.0
1004	C			840	0	0	0
1005	M 3 A			1260	0	0	0
1006	B			840	0	0	0
1007	C			840	0	0	3.0
1008	M 4 A			840	0	12	3.0
1009	B			420	0	0	3.0
1010	C			840	0	0	6.1
1011	M 5 A			1050	0	0	0
1012	B			1260	0	0	0
1013	C			840	0	0	0
1014	M 6 A			840	0	0	0
1015	B			840	0	0	0
1016	C			420	0	0	0
1017	M 7 A			840	0	9.3	3.0
1018	B			420	0	0	0
1019	C			840	0	0	9.3

Surveyor (print name) G. Marchese, M. Johnston, D. JohnstonSurveyor (signature) Original Survey, with SignaturesReviewed by RAM-jm Date 12-12-28

Original - Survey File, Canary - Field Ops, Pink - Job Site on File with PPB



proto-power/blsco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
1020	FLOOR M 8 A			420	0	0	3.0
1021	B			420	0	9.3	3.0
1022	C			540	0	0	3.0
1023	M 9 A			1260	0	0	6.1
1024	B			840	0	19	6.1
1025	C			840	0	0	0
1026	M 10 A			840	0	0	3.0
1027	B			420	0	0	9.3
1028	C			420	0	0	0
1029	M 11 A			420	0	2.5	3.0
1030	B			420	0	0	0
1031	C			1260	0	2.5	0
1032	M 12 A			420	0	0	0
1033	B			840	0	5.9	3.0
1034	C			840	0	0	6.1
1035	M 13 A			420	0	0	0
1036	B			840	0	0	0
1037	C			420	0	0	0
1038	M 14 A			420	0	0	0
1039	B			420	0	9.2	5.6
1040	C			840	0	2.5	5.6
1041	M 15 A			1260	0	5.9	2.5
1042	B			840	0	0	2.5
1043	C			840	0	2.5	0
1044	M 16 A			420	0	5.9	0
1045	B			840	0	12	0
1046	C			840	0	2.5	0
1047	M 17 A			420	0	0	2.5
1048	B			420	0	9.3	0
1049	C			420	0	2.5	0

Surveyor (print name) G. Marchese, M. Johnson, D. JohnsonSurveyor (signature) Original Survey's, with Signature Reviewed by AMJ Date 12-10-88

Original - Survey File, Canary - Field Ops, Pink - Job Site

on File with PPB

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proto-power/bioscience nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/yr	γ mR/yr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
1050	FLING M 18 A	N/A	N/A	1260	0	19	2.5
1051	B			420	0	9.3	0
1052	C			840	0	12	0
1053	M 19 A			840	0	5.9	2.5
1054	B			840	0	5.9	0
1055	C			420	0	2.5	0
1056	M 20 A			420	0	5.9	0
1057	B			420	0	12	0
1058	C			420	0	12	0
1059	M 21 A			420	0	0	0
1060	B			840	0	5.9	0
1061	C			840	0	2.5	2.5
1062	M 22 A			420	0	2.5	0
1063	B			840	0	2.5	0
1064	C			1260	0	2.5	0
1065	M 23 A			840	0	0	0
1066	B			420	0	12	2.5
1067	C			420	0	9.3	2.5
1068	M 24 A			420	0	12	0
1069	B			420	0	0	0
1070	C			840	0	0	0

Surveyor (print name) G. MacBride, M. Johnston, D. JohnstonSurveyor (signature) Original Survey, with signatures Reviewed by RAM Date 12-1-88Original - Survey File, Canary - Field Ops, Pink - Job Site on file with DISCRAFT NE

A0001747 8/88



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
1080	PCLE P 1 A			0	0	0	192.6
1081				420	0	0	0
1082				840	0	.71	0
1083	P 2 A			0	0	0	0
1084				420	0	.71	0
1085				420	0	10	0
1086	P 3 A			0	0	.71	0
1087				840	0	0	0
1088				420	0	0	0
1089	P 4 A			420	0	4.1	0
1090				0	0	0	2.6
1091				420	0	4.0	2.6
1092	P 5 A			840	0	0	0
1093				420	0	0	0
1094				0	0	0	0
1095	P 6 A			420	0	.71	0
1096				840	0	0	0
1097				1260	0	0	0
1098	P 7 A			0	0	7.4	0
1099				210	0	4.1	0
2000				0	0	.71	0
2001	P 8 A			420	0	0	2.6
2002				0	0	0	0
2003				0	0	.71	0
2004	P 9 A			420	0	.68	2.6
2005				210	0	4.1	0
2006				630	0	0	0
2007	P 10 A			420	0	0	2.6
2008				420	0	.71	0
2009				420	0	4.1	0

Surveyor (print name) G. Marchese, M. Toboian, D. ToboianSurveyor (signature) Original Survey, with SignaturesReviewed by PPB Date 12-10-88

Original - Survey File, Canary - Field Ops., Pink - Job Site on File with PPB

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proto-power/bleco nuclear, inc.

Radiological Control Survey Record
Continuation Sheet

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NO

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
	Lower wall 51.1 A			1260	0	5.9	0
	↓ B			840	0	22	0
	↓ C			1680	0	5.9	0
	51.2 A			1260	0	5.9	0
	↓ B			1680	0	22	2.5
	↓ C			1260	0	5.9	0
	52.1 A			1260	0	29	0
	↓ B			1260	0	29	0
	↓ C			1260	0	12	2.5

Surveyor (print name) C. Marsh, M. Johnston, D. Johnston

Surveyor (signature) *Original survey, with signatures*

Reviewed by *John J. Jones*

Date 1-21-59

Original - Survey File, Canary - Field Ops, Pink - Job Site *on file with Discol-T*

A0001747 8/88



proto-powerbisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
2070	LOWER WALL						
2071	S2.2 A			1180	0	5.9	0
2072	B			840	0	9.3	2.5
2073	C			1260	0	5.9	0
2074	S3.1 A			2100	0	12	0
2075	B			1680	0	9.3	0
2076	C			2100	0	22	2.5
2077	S3.2 A			840	0	26	0
2078	B			1260	0	16	0
2079	C			840	0	33	0
2080	S4.1 A			1680	0	26	0
2081	B			1260	0	46	0
2082	C			1260	0	12	0
2083	S4.2 A	N/A		840	0	22	0
2084	B			420	0	22	0
2085	C			840	0	12	0
2086	S5.1 A			840	0	22	2.5
2087	B			840	0	22	0
2088	C			1260	0	26	0
2089	S5.2 A			840	0	19	0
2090	B			420	0	22	0
2091	C			420	0	22	0
2092	S6.1 A			1680	0	22	2.5
2093	B			1260	0	19	0
2094	C			1260	0	26	0
2095	S6.2 A			840	0	19	2.5
2096	B			420	0	16	5.6
2097	C			420	0	19	0
2098							
2099							

Surveyor (print name) D. Johnston, G. MaribeseSurveyor (signature) Original Surveys with signaturesReviewed by AMJDate 12-14-88

Original - Survey File, Canary - Field Ops. Pink - Job Site on File with PPB

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proto-powerbisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
2100	LOWER WALL S7.1 A			1260	0	29	0
2101	B			840	0	22	0
2102	C			840	0	22	2.5
2103	S7.2 A			420	0	26	2.5
2104	B			420	0	9.3	0
2105	C			1680	0	19	0
2106	S8.1 A			1680	0	16	0
2107	B			1680	0	16	0
2108	C			1260	0	12	2.5
2109	S8.2 A			840	0	16	0
2110	B			420	0	19	2.5
2111	C			420	0	16	0
2112	S9.1 A			840	0	16	2.5
2113	B			840	0	16	0
2114	C			420	0	12	0
2115	S9.2 A			420	0	22	0
2116	B			420	0	12	2.5
2117	C			420	0	26	0
2118	S10.1 A			840	0	26	0
2119	B			840	0	19	0
2120	C			1260	0	9.3	2.5
2121	S10.2 A			420	0	19	2.5
2122	B			840	0	29	2.5
2123	C			420	0	16	0
2124	S11.1 A			840	0	33	5.6
2125	B			840	0	36	0
2126	C			1260	0	22	2.5
2127	S11.2 A			840	0	29	0
2128	B			420	0	26	0
2129	C			420	0	22	8.8

Surveyor (print name) D Johnston, G. MarcheseSurveyor (signature) Original Survey with SignatureReviewed by PPB-JDate 12-10-88

Original - Survey File, Canary - Field Ops, Pink - Job Site on File with PPB

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proto-powerbisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mR/h	γ mR/h	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
2130	LOWER WALL S12.1 A			840	0	43	0
2131	B			840	0	22	2.5
2132	C			420	0	33	2.5
2133	S12.2 A			420	0	26	2.5
2134	B			840	0	26	2.5
2135	C			420	0	22	5.6
2136	S13.1 A			1680	0	33	0
2137	B			1260	0	22	0
2138	C			1260	0	16	0
2139	S13.2 A			840	0	19	0
2140	B			840	0	26	0
2141	C			420	0	29	0
2142	S14.1 A			840	0	36	0
2143	B			1680	0	22	0
2144	C			1260	0	17	0
2145	S14.2 A			1260	0	12	0
2146	B			840	0	29	0
2147	C			840	0	19	2.5
2148	S15.1 A			1680	0	39	0
2149	B			2100	0	46	0
2150	C			1680	0	12	0
2151	S15.2 A			1260	0	22	2.5
2152	B			840	0	26	0
2153	C			840	0	22	0
2154	S16.1 A			2100	0	33	5.6
2155	B			2100	0	16	0
2156	C			1680	0	29	0
2157	S16.2 A			1260	0	50	0
2158	B			840	0	33	5.6
2159	C			420	0	36	2.5

Surveyor (print name) G. Marchese, D. JohnstonSurveyor (signature) Original Survey with Signature Reviewed by [Signature] Date 12-10-84

Original - Survey File, Canary - Field Ops, Pink - Job Site on File with PPB



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
2160	LOWER WALL S 17.1 A			840	0	36	2.5
2161	B			840	0	11	5.6
2162	C			420	0	33	0
2163	S 17.2 A			420	0	12	0
2164	B			420	0	33	0
2165	C			420	0	31	2.5
2166	S 18.1 A			1260	0	70	0
2167	B			1260	0	53	0
2168	C			840	0	50	0
2169	S 18.2 A			1260	0	43	2.5
2170	B			420	0	43	2.5
2171	C			420	0	39	0
2172	S 19.1 A			1680	0	33	0
2173	B			840	0	36	2.5
2174	C			1260	0	26	0
2175	S 19.2 A			420	0	16	0
2176	B			420	0	36	0
2177	C			840	0	22	2.5
2178	S 20.1 A			1260	0	29	0
2179	B			1680	0	33	0
2180	C			1260	0	26	2.5
2181	S 20.2 A			840	0	29	0
2182	B			1260	0	36	2.5
2183	C			840	0	22	0
2184	S 21.1 A			2100	0	33	0
2185	B			1680	0	26	2.5
2186	C			840	0	26	0
2187	S 21.2 A			840	0	33	2.5
2188	B			420	0	39	0
2189	C			840	0	36	0

Surveyor (print name) G. Marchese, D. JohnstonSurveyor (signature) Original Survey with Signature Reviewed by MM Date 12-14-88

Original - Survey File, Canary - Field Ops, Pink - Job Site or File with PPB



proto-power/bisno nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
2190	LOWER WALL S 22.1 A			1680	0	29	2.5
2191	B			1260	0	36	0
2192	C			840	0	19	0
2193	S 22.2 A			1680	0	39	2.5
2194	B			1260	0	43	0
2195	C			1680	0	29	2.5
2196	S 23.1 A			1260	0	43	0
2197	B			1260	0	29	0
2198	C			1680	0	46	0
2199	S 23.2 A			1260	0	26	5.6
2200	B			1680	0	26	0
2201	C			1680	0	33	0
2202	S 24.1 A			1260	0	36	5.6
2203	B			1680	0	70	2.5
2204	C			840	0	29	0
2205	S 24.2 A			1680	0	39	0
2206	B			1680	0	33	0
2207	C			840	0	22	0
2208	S 25.1 A			1260	0	50	2.5
2209	B			1260	0	56	0
2210	C			1680	0	19	0
2211	S 25.2 A			1680	0	29	2.5
2212	B			840	0	39	0
2213	C			1260	0	29	0
2214	S 26.1 A			1260	0	39	2.5
2215	B			1680	0	33	2.5
2216	C			1260	0	29	0
2217	S 26.2 A			840	0	26	2.5
2218	B			840	0	33	2.5
2219	C			1260	0	22	2.5

Surveyor (print name) D. Johnston, G. Marches

Surveyor (signature) Original Survey with Signatures

Reviewed by RAM-J

Date 12-18-88

Original - Survey File, Canary - Field Ops, Pink - Job Site on file with PPB

A00C1747 8/88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
2220	LOWER WALL S 27.1 A			1260	0	29	2.5
2221	B			1260	0	16	0
2222	C			1680	0	22	0
2223	S 27.2 A			840	0	19	0
2224	B			1260	0	50	0
2225	C			840	0	17	0
2226	S 28.1 A			1680	0	16	2.5
2227	B			1260	0	22	0
2228	C			1680	0	22	0
2229	S 28.2 A			1680	0	39	0
2230	B			840	0	39	5.6
2231	C			840	0	29	2.5
2232	N 3.1 A			500	0	22	0
2233	B			250	0	43	2.5
2234	C			750	0	12	5.6
2235	N 3.2 A			250	0	16	0
2236	B			250	0	16	0
2237	C			500	0	19	0
2238	N 4.1 A			250	0	22	0
2239	B			250	0	29	0
2240	C			250	0	29	0
2241	N 4.2 A			500	0	36	0
2242	B			250	0	26	2.5
2243	C			250	0	26	0
2244	N 5.1 A			2600	0	36	2.5
2245	B			250	0	43	5.6
2246	C			750	0	33	5.6
2247	N 5.2 A			500	0	29	0
2248	B			250	0	26	0
2249	C			250	0	19	2.5

Surveyor (print name) D. Johnston, B. Marchese

Surveyor (signature) Original Survey's, with Signatures,

Reviewed by [Signature] Date 12-14-88

Original - Survey File Canary - Field Ops. Pink - Job Site no. 6 to with PPR

A0001747 8/88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/yr	γ mr/yr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
2250	LOWER WALLS N6.1 A			500	0	36	2.5
2251	B			250	0	26	0
2252	C			250	0	33	0
2253	N6.2 A			250	0	12	0
2254	B			250	0	26	0
2255	C			250	0	33	2.5
2256	N7.1 A			1250	0	43	2.5
2257	B			250	0	33	2.5
2258	C			500	0	33	0
2259	N7.2 A			500	0	16	0
2260	B			250	0	33	0
2261	C			250	0	29	0
2262	N8.1 A			500	0	26	0
2263	B			250	0	19	0
2264	C			250	0	66	0
2265	N8.2 A			250	0	50	0
2266	B			250	0	77	0
2267	C			250	0	36	0
2268	N9.1 A			1250	0	43	5.6
2269	B			250	0	70	0
2270	C			250	0	63	0
2271	N9.2 A			250	0	56	0
2272	B			250	0	46	0
2273	C			250	0	50	2.5
2274	N10.1 A			1250	0	56	0
2275	B			250	0	22	2.5
2276	C			250	0	43	0
2277	N10.2 A			250	0	39	0
2278	B			250	0	33	2.5
2279	C			250	0	36	0

Surveyor (print name) D Johnston, G. MarcheseSurveyor (signature) Original Survey with signaturesReviewed by RAM Date 12/12/88

Revised: Change File, Control, Field Data, Data, Job Site, etc. File with PPA



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
2280	LOWER WALLS N 11.1 A			1250	0	26	0
2281	B			250	0	29	0
2282	C			250	0	22	0
2283	N 11.2 A			250	0	29	0
2284	B			250	0	39	2.5
2285	C			250	0	26	0
2286	N 12.1 A			750	0	36	0
2287	B			250	0	46	2.5
2288	C			250	0	26	2.5
2289	N 12.2 A			250	0	29	0
2290	B			250	0	33	5.6
2291	C			250	0	16	0
2292	N 13.1 A			1250	0	16	88
2293	B			250	0	33	0
2294	C			500	0	22	0
2295	N 13.2 A			250	0	33	2.5
2296	B			250	0	29	0
2297	C			250	0	22	0
2298	N 14.1 A			1000	0	26	0
2299	B			250	0	33	2.5
2300	C			250	0	26	0
2301	N 14.2 A			500	0	19	5.6
2302	B			250	0	22	0
2303	C			250	0	29	0
2304	N 15.1 A			750	0	26	0
2305	B			500	0	19	0
2306	N 15.2 C			500	0	29	5.6
2307	N 15.2 A			250	0	22	2.5
2308	B			250	0	33	0
2309	C			250	0	16	0

Surveyor (print name) D Johnston, G MarcheseSurveyor (signature) Original Survey with SignaturesReviewed by PPB-John Date 12-10-88

Original: E-mail File: Canary Field Ops. Pink: Int Site on File with PPB



proto-powerblec nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/yr	γ mr/yr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
2310	LOWER WALLS N 16.1 A			500	0	12	2.5
2311	B			250	0	12	0
2312	C			250	0	22	0
2313	N 16.2 A			500	0	22	0
2314	B			500	0	33	0
2315	C			500	0	16	0
2316	N 17.1 A			250	0	29	0
2317	B			250	0	43	0
2318	C			250	0	36	2.5
2319	N 17.2 A			250	0	36	0
2320	B			250	0	36	0
2321	C			250	0	36	0
2322	N 18.1 A			250	0	33	0
2323	B			250	0	36	0
2324	C			250	0	33	0
2325	N 18.2 A			250	0	36	0
2326	B			250	0	46	2.5
2327	C			250	0	29	5.6
2328	N 19.1 A			250	0	29	0
2329	B			250	0	33	5.6
2330	C			250	0	26	0
2331	N 19.2 A			250	0	29	2.5
2332	B			250	0	36	0
2333	C			250	0	26	2.5
2334	N 20.1 A			250	0	19	2.5
2335	B			250	0	22	2.5
2336	C			500	0	19	0
2337	N 20.2 A			250	0	36	0
2338	B			250	0	36	0
2339	C			250	0	26	2.5

Surveyor (print name) R. Johnston, G. MarcheseSurveyor (signature) Original Survey with SignatureReviewed by R. Johnston Date 12-10-88

Original Survey File: Canara - Field Ops - Pink - Job Site - File with PPA



proto-power/blec nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
2340	LOWER WALLS N21.1 A			0	0	43	2.5
2341	B			0	0	43	0
2342	C			0	0	33	0
2343	N 21.2 A			0	0	22	0
2344	B			0	0	33	0
2345	C			0	0	29	0
2346	N 22.1 A			0	0	29	0
2347	B			0	0	43	2.5
2348	C			0	0	29	0
2349	N 22.2 A			0	0	39	0
2350	B			0	0	39	0
2351	C			0	0	19	0
2352	N 24.1 A			250	0	33	0
2353	B			0	0	33	0
2354	C		NA	0	0	43	0
2355	N 24.2 A			250	0	39	0
2356	B			0	0	33	2.5
2357	C			0	0	22	2.5
2358	N 25.1 A			560	0	33	2.5
2359	B			0	0	43	0
2360	C			0	0	29	2.5
2361	N 25.2 A			0	0	22	0
2362	B			250	0	26	0
2363	C			0	0	26	0
2364	N 26.1 A			0	0	.71	0
2365	B			0	0	0	2.6
2366	C			250	0	0	0
2367	N 26.2 A			0	0	.71	0
2368	B			0	0	10	2.6
2369	C			0	0	0	0

Surveyor (print name) G. Marchese, D. JohnstonSurveyor (signature) Original Survey with Signatures Reviewed by RAMJ Date 12-10-88

Original Survey File: Canary - Field One - Pink - Job Site on File with PPB



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
2370	LOWER WALLS N 27.1 A			0	0	0	0
2371	B			0	0	.71	0
2372	C			0	0	4.1	0
2373	N 27.2 A			0	0	.71	0
2374	B			0	0	.68	2.6
2375	C			0	0	4.1	0
2376	EA 1 A			0	0	.71	0
2377	B			420	0	0	0
2378	C			0	0	0	2.6
2379	EA 2 A			0	0	.71	0
2380	B			420	0	.34	0
2381	C			420	0	48	0
2382	EB 1 A			420	0	291	0
2383	B			420	0	352	0
2384	C		N/A	0	0	179	0
2385	EB 2 A			0	0	108	0
2386	B			0	0	91	2.2
2387	C			420	0	122	0
2388	EC 1 A			0	0	50	0
2389	B			420	0	0	0
2390	C			0	0	0	2.2
2391	EC 2 A			420	0	0	0
2392	B			420	0	0	0
2393	C			0	0	0	0
2394	ED 1 A			420	0	0	0
2395	B			840	0	0	0
2396	C			420	0	0	0
2397	ED 2 A			420	0	0	0
2398	B			420	0	0	0
2399	C			420	0	0	2.2

Surveyor (print name) D. Johnston, G. Marchese

Surveyor (signature) Original Survey with Signatures Reviewed by RAM-jm Date 12-11-88

Original Survey File Contain: Field Note, Disk, Int. Exp. ... etc. in RAM



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
2400	LOWIER WALLS EE 1 A			846	0	0	5.3
2401	B			420	0	0	2.2
2402	C			1260	0	0	0
2403	EE 2 A			840	0	0	0
2404	B			420	0	0	0
2405	C			420	0	0	2.2
2406	EF 1 A			420	0	0	0
2407	B			840	0	0	0
2408	C			420	0		0
2409	EF 2 A			420	0	3.4	0
2410	B			840	0	0	0
2411	C			840	0	0	0
2412	EG 1 A			840	0	0	0
2413	B			1260	0	0	0
2414	C		MA	420	0	3.4	0
2415	EG 2 A			420	0	0	0
2416	B			840	0	0	2.2
2417	C			1260	0	10	2.2
2418	EH 1 A			420	0	27	0
2419	B			420	0	13	2.2
2420	C			420	0	23	0
2421	EH 2 A			420	0	16	2.2
2422	B			0	0	16	2.2
2423	C			420	0	50	0
2424	EI 1 A			840	0	50	0
2425	B			840	0	47	0
2426	C			420	0	71	0
2427	EI 2 A			420	0	47	2.2
2428	B			420	0	47	0
2429	C			420	0	91	0

Surveyor (print name) D Johnston, B Marchese

Surveyor (signature) Original Survey with Signatures

Reviewed by RAM Date 12-10-88

Continuation Survey File Contain: Field Note, Print, Ink Site and File with PPA



proto-powerbisc nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta+\gamma$ dpm/100cm ²	α dpm/100cm ²
	Large Wells E J 1 A			840	0	132	0
	B			420	0	118	0
	C			420	0	81	0
	E J 2 A			840	0	71	0
	B			420	0	61	0
	C			0	0	111	0
	E K 1 A			0	0	159	2.2
	B			420	0	142	0
	C			420	0	94	0
	E K 2 A			0	0	50	0
	B			0	0	40	0
	C			420	0	115	0
	E L 1 A		NA	420	0	189	0
	B			840	0	91	0
	C			840	0	125	0
	E L 2 A			0	0	111	2.2
	B			420	0	155	0
	C			420	0	210	0
	E M 2 A			420	0	196	0
	B			0	0	206	0
	C			420	0	213	0
	W A 1.1 A			420	0	206	2.2
	B			420	0	213	11
	C			0	0	264	0
	W A 2.2 A			0	0	305	0
	B			420	0	294	2.2
	C			0	0	342	5.3
	NA						
	NA						
	NA						

Surveyor (print name) D. Johnston, G. MarcheseSurveyor (signature) Original Survey, with Signatures Reviewed by ARMJ Date 1-31-81

Original - Survey File Canary - Field Ops. Pink - Job Site on File with Biscuit NE

A0001747 8/BB



proto-powerbleco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/yr	γ mr/yr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
2460	LOWER WALLS WB1.1 A			420	0	294	0
2461	B			420	0	322	2.2
2462	C			0	0	366	0
2463	WB2.2 A			0	0	315	0
2464	B			420	0	291	2.2
2465	C			420	0	305	0
2466	WC1.1 A			420	0	294	5.3
2467	B			420	0	291	2.2
2468	C			0	0	339	0
2469	WC2.2 A			0	0	277	1.1
2470	B			420	0	288	2.2
2471	C			0	0	281	0
2472	WD1.1 A			420	0	273	2.2
2473	B			0	0	298	0
2474	C		A	420	0	528	2.2
2475	WD2.2 A			420	0	461	0
2476	B			840	0	0	2.2
2477	C			420	0	0	0
2478	WE1.1 A			420	0	0	2.2
2479	B			0	0	661	2.6
2480	C			0	0	119	0
2481	WE2.2 A			420	0	363	0
2482	B			420	0	553	0
2483	C			0	0	278	0
2484	WH1 A			0	0	160	2.6
2485	B			0	0	4.1	0
2486	C			0	0	4.1	0
2487	WH12 A			0	0	10	2.6
2488	B			0	0	0	0
2489	C			0	0	0	0

Surveyor (print name) D. Johnston, G. MarcheseSurveyor (signature) Original Survey with SignaturesReviewed by John Jones Date 12-12-78

Original - Survey File - Canary - Field Ops - Pink - Job Site as file with PPB

A0001747 B/88



proto-powerblaze nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
2490	LOWER WALLS W I 1 A			0	0	14	0
2491	B			250	0	4.0	2.6
2492	C			0	0	0	0
2493	W I 2 A			0	0	4.1	0
2494	B			250	0	16	0
2495	C			0	0	14	2.6
2496	W J 1 A			0	0	7.4	0
2497	B			250	0	4.0	2.6
2498	C			0	0	.71	0
2499	W J 2 A			500	0	0	0
2500	B			0	0	0	2.6
2501	C			0	0	4.0	2.6
2502	W L 1 A			500	0	4.1	0
2503	B			0	0	.71	0
2504	C			0	0	0	2.6
2505	W L 2 A			0	0	7.4	0
2506	B			250	0	0	0
2507	C			0	0	7.4	0
2508	W M 1 A			500	0	0	0
2509	B			250	0	10	0
2510	C			250	0	0	0
2511	W M 2 A			0	0	.71	0
2512	B			0	0	0	0
2513	C			0	0	0	0
2514	UPPER WALL D 1 A			250	0	0	0
2515	X B			0	0	0	0
2516	C			250	0	0	3.0
2517	D 2 A			250	0	0	0
2518	B			0	0	0	0
2519	C			0	0	0	0

Surveyor (print name) D. Eustice, G. MarcheseSurveyor (signature) Original Survey, with SignaturesReviewed by [Signature] Date 12-10-88

Printed: T. & E. Co. 11000 Field One Dr. - Int. Bldg. - 51. 176 100

800-1761 8/88



proto-power/bioco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
2520	UPPER WALL W4A			250	0	16	0
2521	B			0	0	3.4	0
2522	C			0	0	0	0
2523	W5A			250	0	0	0
2524	B			250	0	0	0
2525	C			0	0	13	6.1
2526	E1A			0	0	13	3.0
2527	B			210	0	09.3 16.9	09.3
2528	C			0	0	10.1	0
2529	E2A			0	0	16.9	3.0
2530	B			0	0		3.0
2531	C			210	0	6.7	3.0
2532	E3A			210	0	13	0
2533	B			0	0	13	3.0
2534	C			0	0	10	0
2535	E4A			210	0	0	0
2536	B			0	0	0	0
2537	C			210	0	0	0
2538	E5A			210	0	0	0
2539	B			0	0	0	0
2540	C			0	0	3.4	0
2541	N1A			250	0	0	0
2542	B			250	0	0	0
2543	C			250	0	6.8	0
2544	N2A			250	0	0	3.0
2545	B			250	0	3.3	6.1
2546	C			250	0	13	3.0
2547	N3A			250	0	6.7	6.1
2548	B			0	0	6.7	3.0
2549	C			0	0	6.8	0

Surveyor (print name) D. Johnston, G. MacchereSurveyor (signature) Original Survey with Signatures Reviewed by RAM-J Date 12-10-88

Original Survey File: Canary Field One Pink Ink Site on F-4 with PPB

Radiological Control Survey Record
Continuation Sheet

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NO

Surveyor (print name) D. Johnston, G. Marchese, R. Miller

Surveyor (signature) Original Survey with Signatures

Reviewed by R. H. M. J. Date 12-12-58

Radiological Control Survey Record
Continuation Sheet

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NO.

Surveyor (print name) G. Marchese, D. Johnston, M. Johnston

Surveyor (signature) Original Survey, with signatures on Reviewed by [Signature] Date 1-31-89



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
2610	CEILING CC1 A			210	0	0	0
2611	B			0	0	2.7	0
2612	C			210	0	6.1	0
2613	CC2 A			210	0	2.7	0
2614	B			0	0	2.7	0
2615	C			210	0	12	2.8
2616	CC3 A			210	0	9.5	0
2617	B			210	0	6.1	0
2618	C			210	0	6.1	0
2619	CC4 A			210	0	16	0
2620	B			210	0	9.5	0
2621	C			420	0	2.7	0
2622	CC5 A			210	0	9.5	0
2623	B			0	0	19	0
2624	C			0	0	6.1	0
2625	CC6 A			210	0	6.1	0
2626	B			210	0	6.1	0
2627	C			0	0	6.1	0
2628	CC7 A			210	0	9.5	0
2629	B			210	0	12	0
2630	CC7 C			0	0	6.1	0
2631	CC8 A			210	0	9.5	0
2632	B			210	0	6.1	0
2633	C			210	0	29	6.0
2634	CC9 A			210	0	0	0
2635	B			420	0	23	0
2636	C			420	0	12	2.8
2637	CC10 A			210	0	26	0
2638	B			210	0	2.7	0
2639	C			420	0	12	2.8

Surveyor (print name) G. Marchese, M. Johnson, D. Johnson

Surveyor (signature) Original Survey with Signature

Reviewed by PPb Date 12-10-88



proto-power/blaze nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
3640	CEILING CC11 A			210	0	7.5	0
3641	B			420	-	16	0
3642	C			210	0	26	6.0
3643	CC12 A			210	0	9.5	0
3644	B			0	0	16	0
3645	C			0	0	9.5	0
3646	CC13 A			210	0	16	0
3647	B			210	0	9.5	0
3648	C			420	0	16	0
3649	CC14 A			420	0	6.1	0
3650	B			210	0	23	0
3651	C			0	0	2.7	0
3652	CC15 A			210	0	2.7	0
3653	B			420	0	23	2.8
3654	C			210	0	12	0
3655	CC16 A			420	0	9.5	9.50
3656	B			210	0	12	2.8
3657	C			210	0	16	0
3658	CC17 A			420	0	16	0
3659	B			0	0	16	0
3660	C			0	0	19	0
3661	CC18 A			210	0	6.1	0
3662	B			210	0	9.4	2.8
3663	C			0	0	9.5	0
3664	CC19 A			0	0	6.1	0
3665	B			210	0	2.7	0
3666	C			420	0	6.1	0
3667	CC20 A			0	0	9.5	0
3668	B			210	0	6.1	0
3669	C			0	0	0	0

Surveyor (print name) G. Marchese M. Johnston D. JohnstonSurveyor (signature) Original Survey with SignatureReviewed by RAM-JDate 12-10-88

Original Copy: For Control, For Use Only, For File, For PPA with PPA



proto-power/bioco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
3670	CEILING CC21 A			210	0	12	2.8
3671	B			210	0	16	2.8
3672	C			0	0	16	0
3673	CC22 A			0	0	16	0
3674	B			0	0	9.5	0
3675	C			210	0	12	0
3676	CC23 A			210	0	0	0
3677	B			0	0	12	0
3678	C			210	0	0	0
3679	CC24 A			0	0	6.1	0
3680	B			0	0	9.5	0
3681	C			210	0	23	2.8
3682	CC25 A			0	0	9.5	0
3683	B			210	0	0	0
3684	C			0	0	2.7	0
3685	CC26 A			0	0	36	2.8
3686	B			0	0	6.1	0
3687	C			210	0	6.1	0
3688	CC27 A			210	0	12	0
3689	B			0	0	6.1	0
3690	C			0	0	6.1	0
3691	CC28 A			210	0	23	0
3692	B			210	0	6.1	0
3693	C			0	0	6.1	0
3694	CC29 A			0	0	6.1	2.8
3695	B			210	0	0	0
3696	C			0	0	12	2.8
3697	CC30 A			420	0	9.5	0
3698	B			0	0	6.1	0
3699	C			210	0	0	0

Surveyor (print name) G. Marchese, M. Johnston, D. Johnston

Surveyor (signature) Original Survey with Signature Reviewed by PPB Date 12-10-88

Original - Survey File: Canav - Field Ops - Pink - Job Site on File with PPB

A0001747 B/88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/yr	γ mR/yr	β dpm/100cm ²	α dpm/100cm ²	$\beta+\gamma$ dpm/100cm ²	α dpm/100cm ²
3730	CEILING CC 41 A			210	0	0	0
3731	B			210	0	0	0
3732	C			420	0	0	2.8
3733	CC 42 A			210	0	0	0
3734	B			210	0	9.5	0
3735	C			210	0	19	0
3736	CC 43 A			420	0	19	0
3737	B			210	0	0	0
3738	C			0	0	0	0
3739	PIPING X 1 A			210	0	16	0
3740	B			210	0	9.5	0
3741	C			210	0	2.7	0
3742	D			0	0	2.7	0
3743	X 2 A			210	0	12	0
3744	B			420	0	9.4	6.0
3745	C			210	0	16	0
3746	X 3 A			210	0	29	0
3747	B			0	0	0	6.0
3748	C			210	0	23	0
3749	X 4 A			0	0	12	0
3750	B			210	0	16	9.1
3751	C			0	0	33	6.0
3752	X 5 A			210	0	23	0
3753	B			210	0	29	2.8
3754	C			0	0	33	0
3755	X 6 A			210	0	23	2.8
3756	B			210	0	46	12
3757	C			0	0	6.1	0
3758							
3759							

Surveyor (print name) G. Marchese M. Johnston D. JohnstonSurveyor (signature) Original Survey with SignaturesReviewed by AM-JDate 12-10-88

General Electric Canada - Equipment Division - In-Situ and R&D with PPB

40001747 R/88



proto-power/bleed nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
3790	PIPING X 21 D			210	0	7.5	0
3791	E			420	0	0	2.8
3792	F			0	0	16	0
3793	G			0	0	0	0
3794	X 22 A			0	0	36	6.0
3795	B			210	0	0	2.8
3796	C			210	0	0	0
3797	D			0	0	26	2.8
3798	E			0	0	12	0
3799	F			210	0	12	0
3800	X 23 A			210	0	29	2.8
3801	B			0	0	9.5	0
3802	C			210	0	9.4	2.8
3803	D			210	0	0	6.0
3804	E			0	0	19	6.0
3805	F			0	0	16	6.0
3806	G			210	0	23	2.8
3807	X 24 A			210	0	16	0
3808	B			210	0	36	9.1
3809	C			0	0	46	2.8
3810	D			0	0	43	2.8
3811	E			0	0	12	2.8
3812	F			210	0	6.1	2.8
3813	X 26 A			210	0	6.1	0
3814	X 27 A			210	0	9.4	2.8
3815	B			0	0	33	0
3816	C			210	0	36	2.8
3817	D			210	0	6.1	0
3818							
3819							

Surveyor (print name) G. Marchese, M. Johnston, D. JohnstonSurveyor (signature) Original Survey with Signatures Reviewed by RAM-J Date 12-12-98

Original - Survey File (Copy) - Field File (Pink) - Ink (C)

C1. All CAP

B0001767 0722



proto-power/blaco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
3820	PIPING X 28 A			210	0	0	0
3821	B			210	0	9.4	2.8
3822	C			210	0	36	0
3823	D			0	0	33	2.8
3824	E			0	0	12	6.0
3825	F			210	0	16	6.0
3826	G			420	0	12	0
3827	X 29 A			210	0	0	2.8
3828	B			210	0	6.1	0
3829	C			0	0	16	6.0
3830	D			420	0	0	0
3831	X 30 A			210	0	2.7	2.8
3832	B			210	0	0	0
3833	C			210	0	2.7	2.8
3834	D		NA	0	0	0	0
3835	E			420	0	9.4	2.8
3836	X 31 A			210	0	23	6.0
3837	B			210	0	9.4	2.8
3838	C			0	0	9.4	2.8
3839	D			210	0	0	2.8
3840	E			420	0	6.0	6.0
3841	F			0	0	6.1	0
3842	X 32 A			0	0	0	2.8
3843	B			0	0	12	0
3844	C			210	0	46	2.8
3845	D			420	0	23	0
3846	E			0	0	16	2.8
3847	X 33 A			210	0	46	6.0
3848	B			210	0	6.1	2.8
3849	C			0	0	43	0

Surveyor (print name) E. Marchese, M. Johnson, D. JohnstonSurveyor (signature) Original Survey, with SignaturesReviewed by PA M-JDate 12-15-88

Original - Survey File - Canary - Field Ops - Pink - Job Site - File with PPB



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/yr	γ mr/yr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
3850	PIPING X 33 D			420	0	2.6	6.0
3851	E			210	0	2.7	0
3852	F			420	0	12	2.8
3853	G			210	0	16	0
3854	H			0	0	16	0
3855	I			0	0	0	0
3856	J			210	0	0	0
3857	K			210	0	33	2.8
3858	X 34 A			210	0	36	2.8
3859	B			0	0	19	9.1
3860	C			0	0	50	2.8
3861	D			0	0	6.1	0
3862	E			420	0	2.7	2.8
3863	F			0	0	26	6.0
3864	X 35 A			0	0	9.4	9.1
3865	X 37 A			0	0	33	0
3866	B			0	0	16	0
3867	C			0	0	9.4	0
3868	D			210	0	6.1	2.8
3869	E			0	0	36	6.0
3870	F			210	0	0	0
3871	G			0	0	0	0
3872	X 38 A			0	0	2.7	0
3873	B			210	0	2.7	0
3874	C			0	0	2.7	2.8
3875	D			0	0	6.1	0
3876	E			210	0	0	6.0
3877	F			210	0	36	6.0
3878	G			420	0	0	0
3879	H			210	0	2.7	2.8

Surveyor (print name) G. Marchese, M. Johnston, D. JohnstonSurveyor (signature) Original Survey with signaturesReviewed by RAM-JDate 12-10-88

Formal: 0.14, File Control: Field One: Pink, Ink: Blue, 2-16, 1-16, 00R

140001747 0.00

Radiological Control Survey Record
Continuation Sheet

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proto-powerbleco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ r/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
	CPING X 43 E		4.5	21	0	23	2.8
	F			0	0	19	6
	Dose Rate Survey FC1		2.0				
	FC2		1.5				
	FC3		0.5				
	FC4		0.5				
	FC5		0.5				
	FC6		0				
	FC7		1.0				
	FC8		1.5				
	FC9		1.5				
	FC10		2.0				
	FC11		1.5				
	FC12		0.5				
	FC13		0.5				
	FC14		0.5				
	FC15		0				
	FC16		0.5				
	FC17		0				
	FC18		0.5				
	FC19		1.0				
	FC20		1.5				
	FC21		1.0				
	FC22		1.0				
	FC23		0.5				
	FC24		1.0				
	FC25		0.5				
	FC26		0.5				
	FC27		0.5				
	FC28		1.0				

Surveyor (print name) G. Macchese, D. Johnston, M. Johnston

Surveyor (signature) Original survey, with signature on Reviewed by PP&B Date 1-31-89

Original - Survey File - Canary - Field Ops - Pink - Job Site File with Biscuit N.E.

A0001747 8/88



proto-power/blaco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEAR CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²
	Dose Rate Survey						
	FC 29		NA				
	FC 30		0.5				
	FC 31		1.5				
	FC 32		1.0				
	FC 33		0				
	FC 34		0.5				
	FC 35		0.5				
	FC 36		0				
	FC 37	NA	0.5				
	FC 38		0				
	FC 39		0				
	FC 40		1.0				
	FC 41		1.0				
	FC 42		1.0				
	FC 43		1.0				

Surveyor (print name) M Johnston

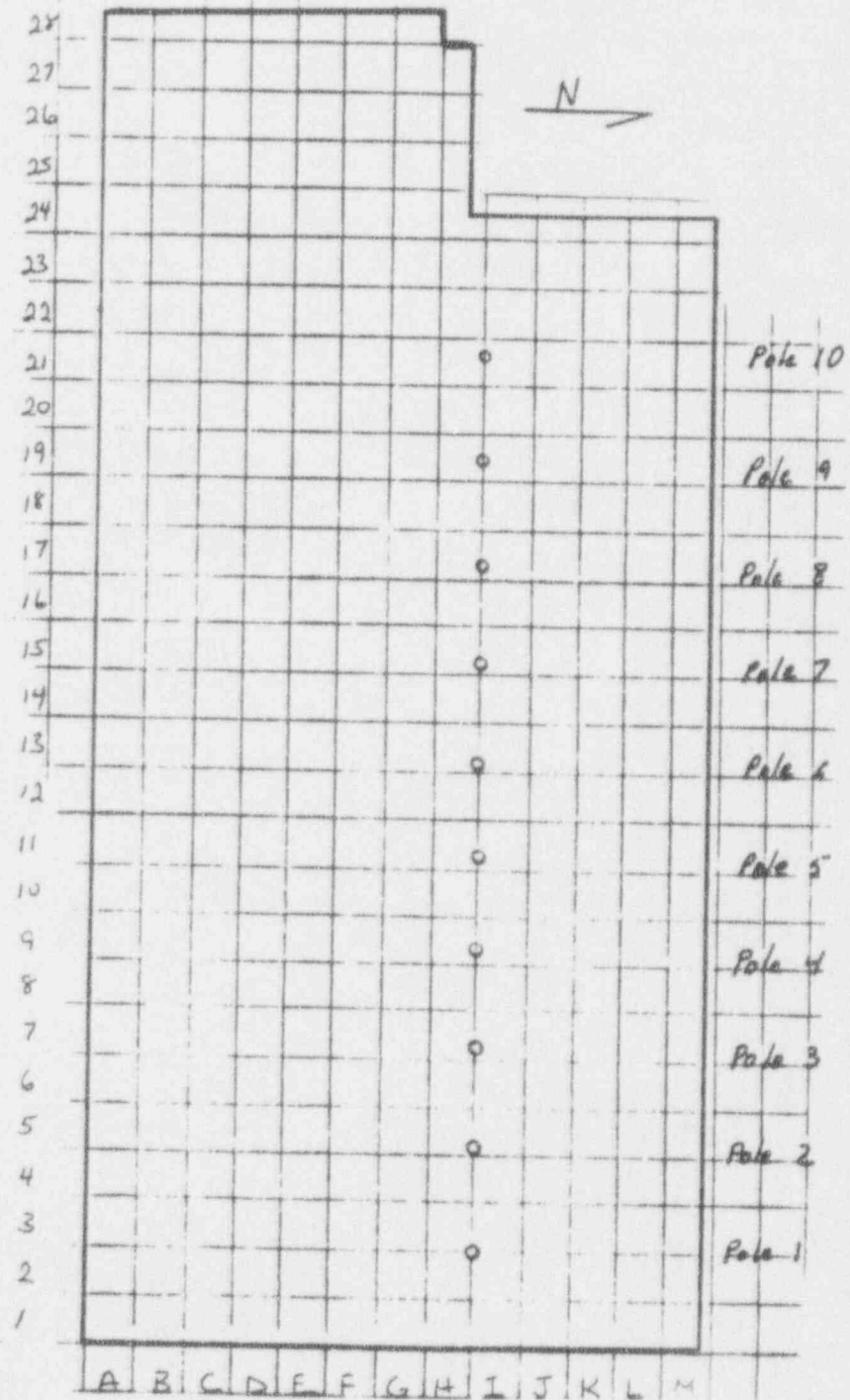
Surveyor (signature) Original Survey, with signatures on

Original - Survey File, Canary - Field Ops, Pink - Job Site File with Biscraft NE

Reviewed by John J.

Date 1-31-89

Kiln Room Floor



GRID MAP

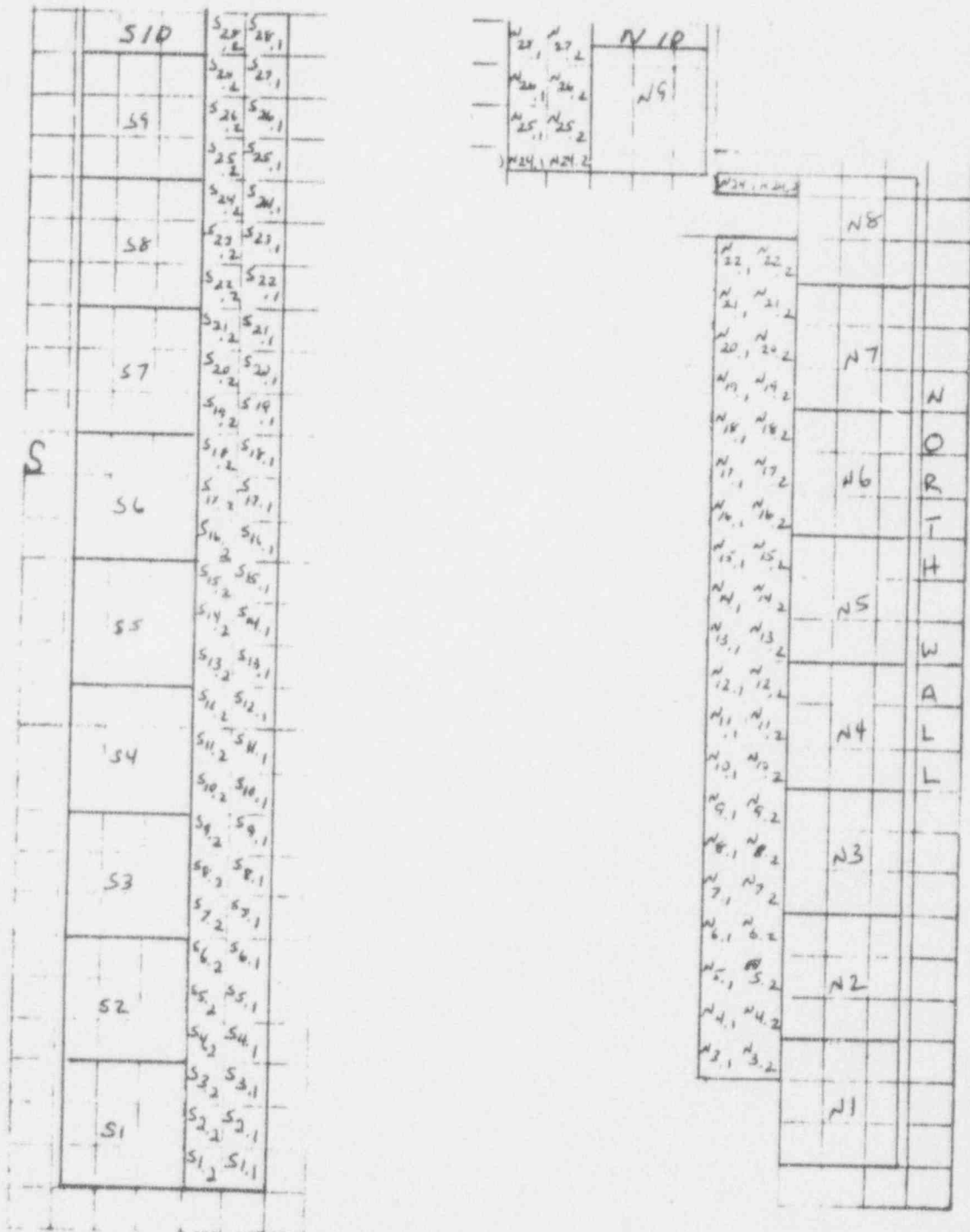
G. Marchese

DATE 9-9-88

SURVEYOR (PRINT NAME) M. Johnston, D. Johnston

TIME 11:10

Kiln Room Walls : NORTH + South



GRID MAP

DATE 89-88

SURVEYOR (PRINT NAME) M. Jabbar

TIME 1140

SURVEYOR (SIGNATURE) Original Surveyor

Kiln Room Walls: EAST - West

D1			D2		
W/A	W/B	W/C	W/D	W/E	
2.2	2.2	2.2	2.2	2.2	
W/A	W/B	W/C	W/D	W/E	
2.1	1.1	1.1	1.1	1.1	

W4			W5		
$\frac{W_1}{N_1}$	$\frac{W_2}{N_2}$	$\frac{W_3}{N_3}$	$\frac{W_1}{N_1}$	$\frac{W_2}{N_2}$	$\frac{W_3}{N_3}$
$\frac{W_1}{N_1}$	$\frac{W_2}{N_2}$	$\frac{W_3}{N_3}$	$\frac{W_1}{N_1}$	$\frac{W_2}{N_2}$	$\frac{W_3}{N_3}$

west wall

E_{A_1}	E_{B_1}	E_{C_1}	E_{D_1}	E_{E_1}	E_{F_1}	E_{G_1}	E_{H_1}	E_{I_1}	E_{J_1}	E_{K_1}	E_{L_1}
E_{A_2}	E_{B_2}	E_{C_2}	E_{D_2}	E_{E_2}	E_{F_2}	E_{G_2}	E_{H_2}	E_{I_2}	E_{J_2}	E_{K_2}	E_{L_2}
E_1			E_2			E_3			E_4		E_5

EAST Wall

GRID MAP

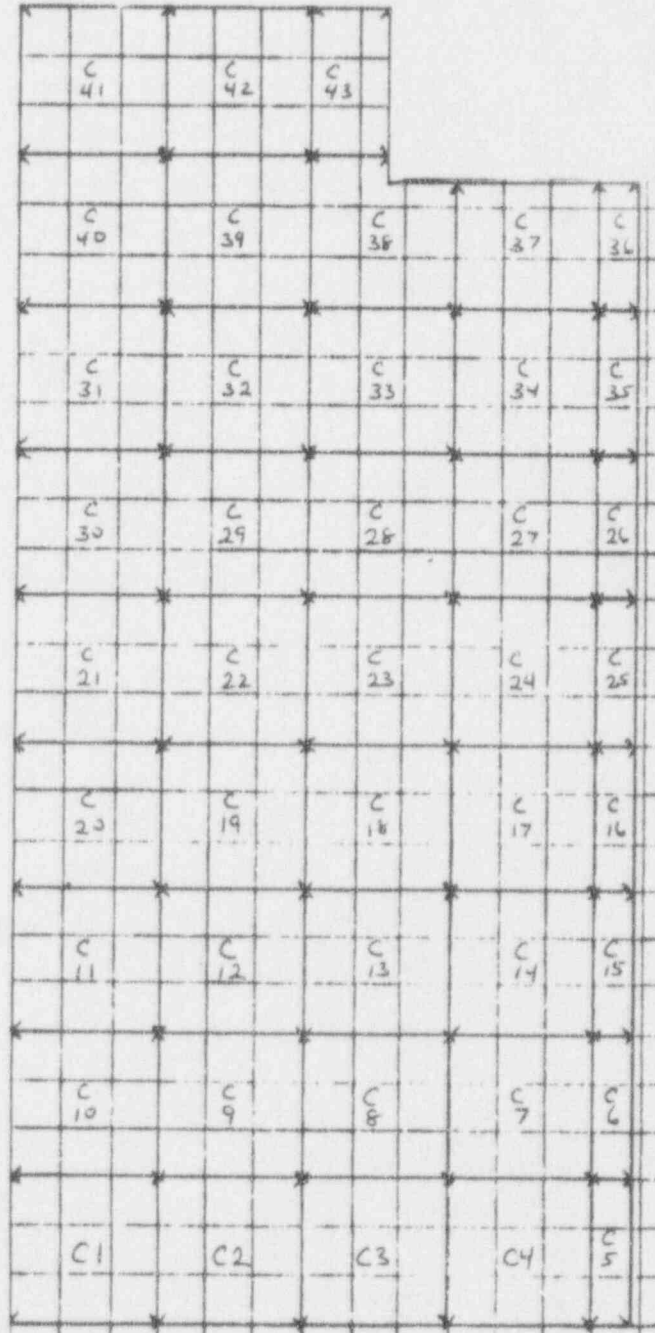
DATE 9-9-88

TIME 1140

SURVEYOR (PRINT NAME) M. Johnston

SURVEYOR (SIGNATURE) *Arinval Surver with*

+ Piping



GRID MAP

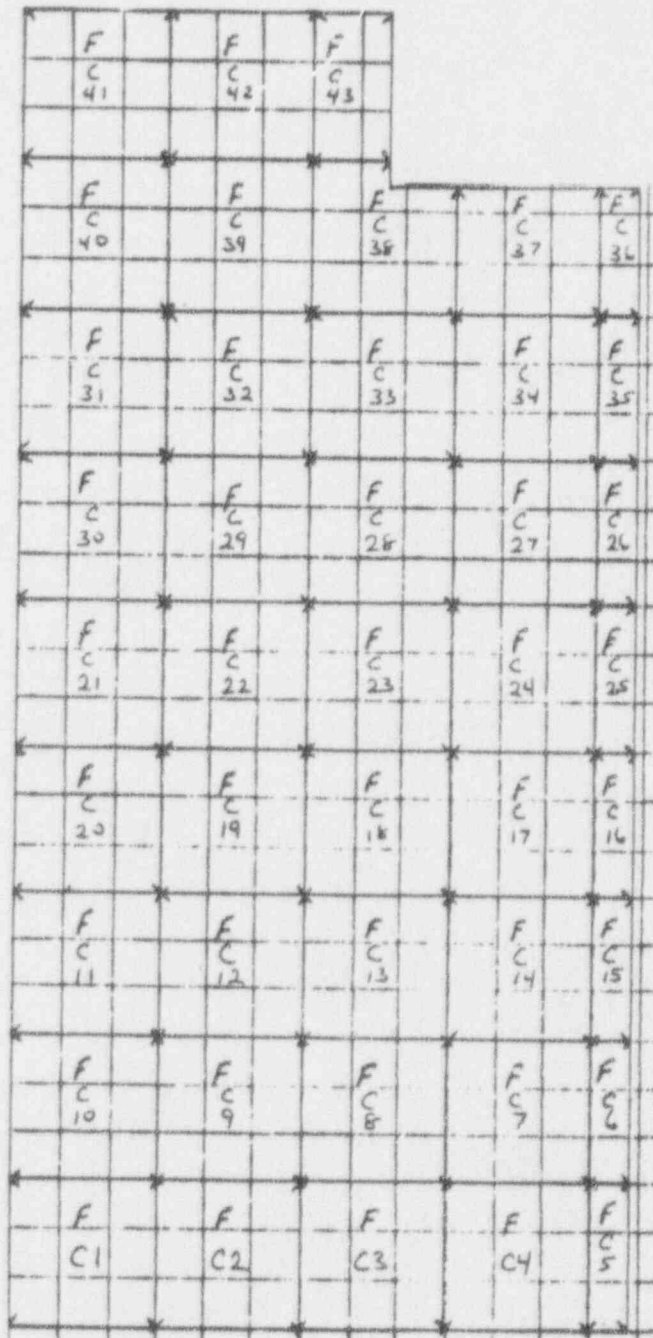
DATE 9-9-88

SURVEYOR (PRINT NAME) M. Johnston

TIME 1140

SURVEYOR (SIGNATURE) [Signature] 71

Bose RATE Survey



GRID MAP

DATE 9-9-88SURVEYOR (PRINT NAME) M. JohnstonTIME 1140SURVEYOR (SIGNATURE) [Signature]

biscraft
northeast

Radiological Control Survey Record

NO. _____ Page 1 of 2

DATE 12-19-88

TIME 1600

LOCATION: Springer Electric Storage Room

REASON FOR SPECIAL SURVEY: Pre-10/22 Survey

☐ ROUTINE ☒ SPECIAL

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrads/hr	γ mr/hr	β dpm/100cm ²	γ dpm/100cm ²	$\beta+\gamma$ dpm/100cm ²	α dpm/100cm ²
1	A1 A			250	0	250	0
2	B			175	0	175	0
3	C			500	0	500	0
4	A2 A			500	0	500	0
5	B			250	0	250	0
6	C			250	0	250	0
7	A3 A			250	0	250	0
8	B			750	0	750	0
9	C			500	0	500	0
10	A4 A			500	0	500	0
11	B			750	0	750	0
12	C			250	0	250	0
13	A5 A			1000	0	1000	0
14	B			250	0	250	0
15	C			500	0	500	0
16	A6 A			500	0	500	0
17	B			250	0	250	0
18	C			250	0	250	0

RADIATION SURVEY				$\beta+\gamma$ CONTAMINATION SURVEY		α CONTAMINATION SURVEY	
INST.	L-5	L-2	L-17	INST.	C-2100	INST/PROBE	C-2100
S/N	5-1121	5-2114	32571	S/N	11/11	S/N	11/11
CAL DUE DATE	8-2-88	8-2-88	8-1-88	CAL DUE DATE	7-7-88	CAL DUE DATE	8-2-88
EFF	0.215	0.215	0.215	EFF	0.215	EFF	1.316
BKG	2.5	11.5	OK 4.1/11	BKG	2.1/11	BKG	1.1/11
REMARKS:						AIR SAMPLE DATA	

Surveyor (print name) D. L. Lister, D. L. Lister, G. M. Lister

Surveyor (signature) Original Survey with Signature as file with Biscraft

Reviewed by File # 11/11

Date 1-21-89



proto-powerblisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 2 of 20
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
19	FLOOR A 7 - A			250	0	4.0	2.6
20	B			750	0	7.4	0
21	C			250	0	2.6	2.6
22	A 8 - A			250	0	7.4	0
23	B			250	0	0	0
24	C			250	0	4.1	0
25	A 9 - A			250	0	4.1	2.6
26	B			250	0	0	0
27	C			250	0	0	2.6
28	B 1 - A			0	0	0	2.6
29	B			0	0	0	0
30	C			0	0	0	2.6
31	B 2 - A			250	0	7.4	2.6
32	B			0	0	7.1	0
33	C			250	0	7.4	2.6
34	B 3 - A			250	0	7.1	0
35	B			250	0	7.1	0
36	C			750	0	0	0
37	B 4 - A			250	0	0	0
38	B			750	0	4.0	5.8
39	C			250	0	0	2.6
40	B 5 - A			750	0	0	0
41	B			250	0	0	5.8
42	C			500	0	0	12
43	B 6 - A			250	0	0	0
44	B			750	0	0	0
45	C			250	0	4.1	0
46	B 7 - A			500	0	0	0
47	B			250	0	0	0
48	C			250	0	0	0

Surveyor (print name) D. J. HASTON / H. J. HASTON / C. MARCHESE
Surveyor (signature) ORIGINAL SURVEY WITH SIGNATURES Reviewed by [Signature] Date 12-11-88
ON FILE WITH PPB.



proto-powerbisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 3 of 20
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
49	FLOOR B 8-A			500	0	0	0
50				250	0	4.1	0
51				250	0	1.0	0
52	B 9-A			750	0	4.1	0
53	B			500	0	4.1	0
54	C			250	0	.71	0
55	C 1-A			250	0	.71	0
56	B			500	0	.71	0
57	C			250	0	0	0
58	C 2-A			250	0	14	2.6
59	B			250	0	0	0
60	C			250	0	.61	9.0
61	C 3-A			250	0	0	0
62	B			750	0	7.4	5.8
63	C			250	0	4.1	0
64	C 4-A			250	0	.61	9.0
65	B			750	0	.71	0
66	C			250	0	.64	5.8
67	C 5-A			500	0	0	5.8
68	B			750	0	.71	0
69	C			500	0	0	0
70	C 6-A			250	0	7.4	0
71	B			250	0	4.1	0
72	C			250	0	0	0
73	C 7-A			500	0	.71	0
74	B			250	0	4.1	0
75	C			0	0	4.1	0
76	C 8-A			100	0	4.0	5.8
77	B			1750	0	4.1	0
78	C			500	0	.71	0

Surveyor (print name) D. JOHNSON / M. JOHNSON / G. MARCHESE

Surveyor (signature) ORIGINAL SURVEY WITH SIGNATURES Reviewed by PPB Date 12-10-78

Original - Survey File - Canary - Field Ops - Pink - Job Site

40001747 9/88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 4 of 20
NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
79	FLOOR C 9 - A			750	0	.71	0
80	B			500	0	.71	0
81	C			750	0	0	5.8
82	D 1 - A			250	0	4.1 6.8 4.1	0
83	B			500	0	0	0
84	C			1250	0	4.0	2.6
85	D 2 - A			1000	0	0	2.6
86	B			250	0	0	0
87	C			250	0	7.4	2.6
88	D 3 - A			250	0	.71	0
89	B			250	0	7.4	0
90	C			250	0	7.4	0
91	D 4 - A			250	0	14	0
92	B		N/A	250	0	.71	0
93	C			250	0	0	2.6
94	D 5 - A			250	0	10	7.0
95	B			250	0	.68	2.6
96	C			250	0	0	2.6
97	D 6 - A			1250	0	0	0
98	B			500	0	0	2.6
99	C			250	0	4.0	2.6
100	D 7 - A			0	0	4.0	2.6
101	B			0	0	0	2.6
102	C			0	0	0	0
103	D 8 - A			0	0	.71	0
104	B			750	0	0	2.6
105	C			250	0	10	0
106	D 9 - A			1250	0	10	2.6
107	B			250	0	0	0
108	C			250	0	4.1	0

Surveyor (print name) D. JOHNSTON / M. JOHNSTON / G. HACHESE

Surveyor (signature) ORIGINAL SURVEY WITH SIGNATURES

Reviewed by PPb

Date 12-11-88

Original: Survey File, Canav, Field Ops, Risk, Job Site

A0001747 R/R



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 5 of 20
NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
119	FLOOR E1-A			420	0	.71	0
116	B			630	0	0	2.6
111	C			210	0	0	0
112	E2-A			420	0	0	0
113	B			210	0	1.0	0
114	C			210	0	0	0
115	E3-A			420	0	1.4	0
116	B			420	0	.71	0
117	C			630	0	0	0
118	E4-A			210	0	4.1	0
119	B			630	0	.71	0
120	C			630	0	0	0
121	E5-A			630	0	.71	0
122	B		A	210	0	4.1	0
123	C			630	0	4.1	0
124	E6-A			210	0	0	0
125	B			210	0	7.3	15
126	C			420	0	0	0
127	E7-A			420	0	0	0
128	B			420	0	0	2.6
129	C			210	0	4.1	0
130	E8-A			210	0	0	0
131	B			630	0	0	0
132	C			420	0	0	0
133	E9-A			420	0	0	0
134	B			210	0	.71	0
135	C			420	0	0	0
136	F1-A			210	0	0	2.6
137	B			420	0	0	2.6
138	C			420	0	7.4	0

Surveyor (print name) ~~ORIGINAL~~ D. J. HASTON / H. J. HASTON / G. HAKCHESSESurveyor (signature) ORIGINAL SURVEY WITH SIGNATURES Reviewed by ppm-jr Date 12-10-88
ON FILE WITH PPb.



proto-powerblaze nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 6 of 20
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/yr	γ mr/yr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
139	FLOOR F 2 - A			420		.71	0
140	B			630		7.4	0
141	C			420		7.4	2.6
142	F 3 - A			630		0	0
143	B			630		10	0
144	C			1050		4.1	0
145	F 4 - A			420	0	.71	0
146	B			1050	0	7.4	0
147	C			210	0	0	0
148	F 5 - A			420	0	4.0	2.6
149	B			630	0	14	0
150	C			210	0	14	0
151	F 6 - A			210	0	4.1	0
152	B			630	0	7.4	0
153	C		N/A	840	0	41	5.8
154	F 7 - A			1260	0	38	0
155	B			1680	0	.71	0
156	C			1260	0	7.4	2.6
157	F 8 - A			840	0	.71	0
158	B			1050	0	0	0
159	C			630	0	4.1	0
160	F 9 - A			420	0	0	0
161	B			210	0	7.4	5.8
162	C			210	0	0	0
163	G 1 - A			420	0	.68	2.6
164	B			630	0	0	0
165	C			210	0	.64	5.8
166	G 2 - A			1120	0	0	0
167	B			840	0	4.1	0
168	C			210	0	.68	2.6

Surveyor (print name) M. JOHNSTON/D. JOHNSTON/C. MARCHESESurveyor (signature) ORIGINAL SURVEY WITH SIGNATURES Reviewed by PLM Date 12-12-88

CN FILE WITH PPB.



proto-power/blsco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

 Page 7 of 20
 NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/yr	γ mr/yr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
169	FLOOR G 3 - A			420	0	7.4	2.6
170	B			840	0	14	2.6
171	C			630	0	.71	0
172	G 4 - A			420	0	4.1	0
173	B			840	0	6	0
174	C			1050	0	0	2.6
175	G 5 - A			1050	0	4.1	0
176	B			210	0	4.0	2.6
177	C			420	0	17	0
178	G 6 - A			1050	0	10	0
179	B			1260	0	24	2.6
180	C			1260	0	34	9.0
181	G 7 - A			1680	0	10	9.6
182	B		MA	1470	0	14	9.0
183	C			840	0	.71	0
184	G 8 - A			840	0	.68	2.6
185	B			630	0	.64	5.8
186	C			210	0	7.4	0
187	G 9 - A			210	0	10	2.6
188	B			420	0	4.0	2.6
189	C			210	0	7.4	2.6
190	H 1 - A			840	0	0	0
191	B			1260	0	0	2.6
192	C			420	0	.71	0
193	H 2 - A			1050	0	0	0
194	B			420	0	7.4	0
195	C			840	0	.68	2.6
196	H 3 - A			1050	0	0	0
197	B			210	0	10	0
198	C			630	0	17	0

 Surveyor (print name) C. MARCHESE / M. JOHNSTON / D. JOHNSTON

 Surveyor (signature) ORIGINAL SURVEY WITH SIGNATURES Reviewed by [Signature] Date 12-10-38
 CN FILE WITH PPB.



proto-power/blaco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 8 of 20
NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ r/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
199	FLOOR H 4 - A			210	0	0	0
200	B			420	0	0	0
201	C			840	0	0	3.0
202	H 5 - A			630	0	0	0
203	B			1050	0	3.4	0
204	C			420	0	13	0
205	H 6 - A			840	0	50	9.3
206	B			1050	0	23	0
207	C			420	0	37	3.0
208	H 7 - A			1050	0	33	6.1
209	B			1470	0	60	12
210	C			840	0	20	0
211	H 8 - A			840	0	37	3.0
212	B			420	0	33	0
213	C			210	0	50	3.0
214	H 9 - A			420	0	61	3.0
215	B			630	0	20	0
216	C			210	0	27	3.0
217	LOWER WALLS S1.1 A			210	0	23	0
218	B			420	0	23	0
219	C			630	0	30	0
220	S1.2 A			630	0	23	0
221	B			420	0	27	0
222	C			420	0	27	3.0
223	S2.1 A			420	0	30	0
224	B			630	0	20	9.3
225	C			840	0	33	0
226	S2.2 A			420	0	27	0
227	B			210	0	33	0
228	C			210	0	27	0

Surveyor (print name) D. SWINSTEIN / M. SWINSTEIN / C. MARCHESESurveyor (signature) ORIGINAL SURVEY WITH SIGNATURES Reviewed by RAM-J Date 12-11-88
ON FILE WITH PPB.



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 9 of 20
NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
229	LOWER WALLS S3.1 A			630	0	33	3.0
230	B			630	0	27	3.0
231	C			420	0	23	0
232	S3.2 A			840	0	23	0
233	B			1650	0	23	3.0
234	C			1050	0	30	3.0
235	S4.1 A			420	0	50	6.1
236	B			420	0	33	0
237	C			420	0	46	0
238	S4.2 A			630	0	30	0
239	B			630	0	33	6.1
240	C			210	0	30	3.0
241	S5.1 A			630	0	23	3.0
242	B			420	0	27	0
243	C			420	0	10	0
244	S5.2 A			630	0	23	0
245	B			210	0	13	0
246	C			210	0	16	0
247	S6.1 A			210	0	30	0
248	B			210	0	27	0
249	C			420	0	23	0
250	S6.2 A			420	0	20	0
251	B			0	0	20	0
252	C			0	0	20	0
253	S7.1 A			630	0	6.7	3.0
254	B			630	0	20	0
255	C			420	0	16	0
256	S7.2 A			210	0	23	0
257	B			0	0	16	3.0
258	C			0	0	27	0

Surveyor (print name) D. J. HASTON / H. J. HASTON / G. HARCHESESurveyor (signature) ORIGINAL SURVEY WITH SIGNATURES Reviewed by RMJ Date 12-10-88

Original: Survey File Cont. Field Cont. Print High Site PPB



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 10 of 22
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/yr	γ mR/yr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
259	LOWER WALLS S8.1 A			210	0	16	3.0
260	B			0	0	13	0
261	C			210	0	27	0
262	S8.2 A			210	0	16	0
263	B			420	0	13	0
264	C			210	0	13	3.0
265	S9.1 A			630	0	13	0
266	B			420	0	10	0
267	C			210	0	20	3.0
268	S9.2 A			0	0	13	3.0
269	B			210	0	20	0
270	C			210	0	16	3.0
271	EA.1 A			210	0	10	3.0
272	B			420	0	33	6.1
273	C		MT	420	0	27	3.0
274	EA 2 A			840	0	20	0
275	B			210	0	20	0
276	C			210	0	16	6.1
277	EA.1 A			630	0	16	0
278	B			420	0	6.8	0
279	C			420	0	13	0
280	EB.2 A			210	0	6.8	0
281	B			630	0	6.7	3.0
282	C			630	0	16	3.0
283	EC.1 A			420	0	23	0
284	B			210	0	23	0
285	C			210	0	13	0
286	EC.2 A			420	0	16	6.1
287	B			420	0	16	0
288	C			630	0	20	0

Surveyor (print name) H. JOHNSON / G. HARCHESE / D. JOHNSON
Survey, or (signature) ORIGINAL SURVEY WITH SIGNATURES Reviewed by RAM-J Date 12-14-88
ON FILE WITH PPB



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 11 of 20
NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/yr	γ mr/yr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
289	LOWER WALLS ED. 1 A			420	-	413	130
290	B			630	-	13	0
291	C			630	0	16	0
292	ED. 2 A			630	2	10	3.0
293	B			420	0	13	0
294	C			420	0	13	0
295	EE. 1 A			1050	0	27	3.0
296	B			840	0	16	0
297	C			630	0	13	0
298	EE. 2 A			630	0	13	3.0
299	B			420	0	6.7	6.1
300	C			420	0	13	0
301	EF. 1 A			420	0	88	0
302	B			210	0	88	3.0
303	C			210	0	74	0
304	EF. 2 A			420	0	84	3.0
305	B			210	0	88	0
306	C			630	0	81	0
307	EG. 1 A			210	0	88	3.0
308	B			210	0	84	3.0
309	C			630	0	78	0
310	EG. 2 A			210	0	74	3.0
311	B			210	0	74	0
312	C			210	0	57	3.0
313	EH. 1 A			630	0	40	0
314	B			420	0	33	0
315	C			420	0	30	0
316	EH. 2 A			210	0	13	0
317	B			210	0	27	0
318	C			420	0	23	0

Surveyor (print name) D. JOHNSTON / H. JOHNSTON / G. HACHESE

Surveyor (signature) ORIGINAL SURVEY WITH SIGNATURES Reviewed by PAM-J Date 12-10-88
ON FILE WITH PPB



proto-powerbisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 12 of 20
NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
319	LOWER WALLS DN1.1 A			250	0	23	0
320	B			500	0	20	0
321	C			250	0	23	0
322	DN1.2 A			250	0	16	0
323	B			500	0	30	0
324	C			250	0	27	0
325	DN2.1 A			250	0	23	0
326	B			500	0	16	30
327	C			250	0	33	0
328	DN2.2 A			500	0	16	0
329	B			250	0	20	0
330	C			0	0	13	0
331	DN3.1 A			250	0	23	0
332	B			0	0	20	0
333	C			0	0	16	0
334	DN3.2 A			0	0	27	0
335	B			0	0	23	0
336	C			0	0	68	0
337	DN4.1 A			0	0	33	0
338	B			0	0	23	0
339	C			0	0	33	0
340	DN4.2 A			250	0	23	0
341	B			500	0	23	0
342	C			0	0	33	0
343	DN5.1 A			250	0	16	30
344	B			0	0	23	0
345	C			250	0	20	0
346	DN5.2 A			500	0	20	0
347	B			250	0	23	0
348	C			0	0	27	0

Surveyor (print name) R. JOHNSTON / M. JOHNSTON / G. MARCHESE

Surveyor (signature) ORIGINAL SURVEY'S WITH SIGNATURES Reviewed by RAM-J Date 12-11-88

Original - Survey File - Canary - Field Ops - Print - Job Site

A0001747 B/88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 13 of 20
NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/yr	γ mr/yr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
349	LLUVERUALLS DN6.1 A			250	0	13	0
350	B			250	0	20	0
351	C			0	0	3.4	0
352	DN6.2 A			0	0	6.8	0
353	B			0	0	3.4	0
354	C			0	0	6.8	0
355	DN7.1 A			250	0	6.8	0
356	B			0	0	3.4	0
357	C			0	0	10	0
358	DN7.2 A			0	0	3.4	0
359	B			250	0	16	0
360	C			0	0	6.8	0
361	WA.1 A			0	0	71	0
362	B			0	0	50	0
363	C			250	0	59	0
364	WA.2 A			0	0	47	0
365	B			250	0	50	0
366	C			0	0	33	0
367	WB.1 A			250	0	6.8	0
368	B			250	0	13	0
369	C			250	0	10	0
370	WB.2 A			250	0	0	0
371	B			250	0	71	0
372	C			250	0	6.8	0
373	WC.1 A			250	0	6.8	0
374	B			0	0	0	0
375	C			0	0	0	0
376	WC.2 A			250	0	6.7	3.0
377	B			250	0	3.4	0
378	C			250	0	13	0

Surveyor (print name) V. JOHNSTON / M. JOHNSTON / G. MARCHESE

Surveyor (signature) ORIGINAL SURVEY'S WITH SIGNATURES Reviewed by PPB Date 12-12-88
IN FILE WITH PPB.



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 14 of 20
NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/yr	γ mrad/yr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
379	LOWER WALLS W.D. 1 A			250		0	0
380	B			250		0	0
381	C			250		3.4	0
382	W.D. 2 A			500	0	6.8	0
383	B			250	0	3.4	0
384	C			250	0	3.4	0
385	W.E. 1 A			250	0	16	0
386	B			250	0	6.8	0
387	C			250	0	0	3.0
388	W.E. 2 A			500	0	10	0
389	B			250	0	0	0
390	C			250	0	6.8	0
391	W.F. 1 A			750	0	0	0
392	B			250	0	16	3.0
393	C			250	0	10	0
394	W.F. 2 A			250	0	10	0
395	B			0	0	3.4	0
396	C			0	0	57	3.0
397	W.G. 1 A			500	0	10	0
398	B			0	0	13	0
399	C			0	0	0	3.0
400	W.G. 2 A			250	0	37	0
401	B			0	0	20	0
402	C			0	0	30	3.0
403	W.H. 1 A			250	0	6.8	0
404	B			250	0	13	0
405	C			250	0	6.8	0
406	W.H. 2 A			250	0	10	0
407	B			250	0	3.4	0
408	C			250	0	3.4	0

Surveyor (print name) G. MARCHESE / D. JOHNSTON / M. JOHNSTON

Surveyor (signature) ORIGINAL SURVEY'S WITH SIGNATURES Reviewed by RAM Date 12-10-88
ON FILE WITH PPB.



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
409	UPPER WALLS S1 A			250	0	91	0
410	B			250	0	71	0
411	C			500	0	90	3.0
412	S2 A			250	0	61	0
413	B			250	0	40	3.0
414	C			250	0	44	0
415	S3 A			500	0	50	0
416	B			250	0	33	0
417	C			0	0	30	0
418	W1 A			250	0	6.8	0
419	B			0	0	0	0
420	C			0	0	16	3.0
421	W2 A			0	0	13	0
422	B			0	0	6.8	0
423	C			0	0	20	3.0
424	W3 A			0	0	0	0
425	B			0	0	0	0
426	C			0	0	0	3.0
427	D1 A			250	0	10	0
428	B			0	0	3.4	0
429	C			250	0	6.8	0
430	D2 A			250	0	0	3.0
431	B			0	0	0	3.0
432	C			0	0	3.4	0
433	D3 A			0	0	0	0
434	B			250	0	0	3.0
435	C			0	0	6.8	0
436	E1 A			250	0	0	0
437	B			250	0	0	0
438	C			250	0	3.3	6.1

Surveyor (print name) D. JOHNSTON / H. JOHNSTON / B. MARCHESE

Surveyor (signature) ORIGINAL SURVEYS WITH SIGNATURES Reviewed by PHM-jm Date 2-10-88
CN FILE WITH PPB.



proto-powerblisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
	2						
439	UPPER WALLS E2A			0	0	0	3.0
440	B			0	0	3.4	0
441	C			0	0	0	0
442	E3A			0	0	0	0
443	B			0	0	0	0
444	C			0	0	0	0
445	CEILING CC1A			210	0	0	0
446	B			0	0	9.5	0
47	C			0	0	0	0
48	CC2A			0	0	0	0
49	B			0	0	0	0
50	C			0	0	2.7	0
51	CC3A			210	0	0	2.8
52	B			0	0	0	0
53	C			0	0	0	0
54	CC4A			0	0	6.1	0
55	B			210	0	6.1	0
56	C			0	0	0	0
57	CC5A			0	0	0	0
58	B			210	0	2.7	0
59	C			0	0	2.7	0
460	CC6A			210	0	0	6.0
461	B			0	0	2.7	0
462	C			210	0	0	0
463	CC7A			420	0	0	2.8
464	B			210	0	6.1	0
465	C			210	0	0	0
466	CC8A			0	0	0	0
467	B			210	0	9.4	2.8
468	C			210	0	2.7	2.8

Surveyor (print name) D. JOHNSTON / M. JOHNSTON / G. HARCHESESurveyor (signature) ORIGINAL SURVEYS WITH SIGNATURES Reviewed by RAM-J Date 12-10-88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 17 of 20
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
469	CEILING CC9 A			420	0	2.7	0
470	↓ B			210	0	9.5	0
471	↓ C			210	0	0	0
472	PIPING XC1 A			0	0	2.7	0
473	↓ R			0	0	9.5	0
474	↓ C			210	0	0	0
475	↓ D			0	0	6.1	2.8
476	↓ E			210	0	0	0
477	↓ F			210	0	0	2.8
478	XC2 A			0	0	0	0
479	↓ E			0	0	0	0
480	↓ C			210	0	2.7	0
481	↓ D			210	0	0	0
482	↓ E			0	0	9.5	0
483	↓ F			0	0	6.1	0
484	↓ G			0	0	9.5	0
485	↓ H			210	0	0	0
486	XC3 A			210	0	0	0
487	↓ B			0	0	6.1	2.8
488	↓ C			0	0	0	2.8
489	↓ D			420	0	6.1	0
490	XC4 A			210	0	2.7	0
491	↓ B			210	0	2.7	0
492	↓ C			420	0	0	0
493	↓ D			210	0	0	2.8
494	XC5 A			0	0	2.7	2.8
495	↓ B			0	0	0	0
496	↓ C			210	0	6.1	2.8
497	↓ D			0	0	0	0
498	↓ —			—	—	—	—

Surveyor (print name) D. JOHNSTON / H. JOHNSTON / G. MARCHESE

Surveyor (signature) ORIGINAL SURVEYS WITH SIGNATURES Reviewed by AWM-J Date 2-10-98
ON FILE WITH PPB.



protpowerbisco nuclear, inc.

Radiological Control Survey Record
Continuation Sheet

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NO.

[illegible]

Surveyor (print name) D. JOHNSTON / M. JOHNSTON / G. MARCHESE

Surveyor (signature) ORIGINAL SURVEY WITH SIGNATURE Reviewed by RAM-J Date 12-10-18
ON BILE WITH PPOB.

Radiological Control Survey Record
Continuation Sheet

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NO.

Surveyor (print name) M. Sebastian
 Surveyor (signature) Original Survey on File, with Reviewed by RAH-JR Date 1-2-99
 Original - Survey File - Canary - Field Ops - Pink - Job Site signature at Biscuit NE A0001747 8/98

Floors
& Walls

W1		W2		W3			
WA	WB	WC	WD	WE	WF	WG	WH
2	2	2	2	2	2	2	2
WA	WB	WC	WD	WE	WF	WG	WH
1	1	1	1	1	1	1	1

S3	S	S
	9.2	9.1
	5	5
S2	S	S
	8.2	8.1
	5	5
S1	S	S
	7.2	7.1
	5	5
	S	S
	6.2	6.1
	5	5
	S	S
	5.2	5.1
	5	5
	S	S
	4.2	4.1
	5	5
	S	S
	3.2	3.1
	5	5
	S	S
	2.2	2.1
	5	5
	S	S
	1.2	1.1
	5	5

9
8
7
6
5
4
3
2
1

A B C D E F G H

EA	EB	EC	ED	EE	EF	EG	EH
1	1	1	1	1	1	1	1
EA	EB	EC	ED	EE	EF	EG	EH
2	2	2	2	2	2	2	2
E1		E2		E3			

Ceiling
Pipes
&
Dose Rate
(FC...)

C3	C4	C9
C2	C5	C8
C1	C6	C7

DN	DN	D3
5.1	5.2	
DN	DN	D2
6.1	6.2	
DN	DN	D1
5.1	5.2	
DN	DN	
4.2	4.2	
DN	DN	
3.1	3.2	
DN	DN	
2.1	2.2	
DN	DN	
1.1	1.2	

GRID MAP

DATE 9-15-89TIME 1030SURVEYOR (PRINT NAME) G. Marchese
D. Johnston, M. JohnstonSURVEYOR (SIGNATURE) Original Survey with

biscraft
northeast

Radiological Control Survey Record

NO. _____ Page 1 of 12

DATE

12-5-89

TIME

1300

LOCATION: Spargan Station, Harper's Cove, Ont.

REASON FOR SPECIAL SURVEY: Follow-up Survey

☐ ROUTINE

☒ SPECIAL

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta+\gamma$ dpm/100cm ²	α dpm/100cm ²
1	F 21 A			2	0	0	2
2	B				0	0	0
3	C			1	0	0	0
4	A 30 A			13	0	2.2	11
5	B			26	0	0	
6	C			25	0	0	0
7	A 31 A			500	0	5.1	0
8	B			200	0	2.2	0
9	C			11	0	5.6	0
10	F 32 A			320	0	5.5	0
11	B			1280	0	0	0
12	C			1920	0	15	0
13	B 21 A			380	0	0	0
14	B			760	0	5.5	2.3
15	C			380	0	0	2.3
16	B 32 A			2	0	2.2	0
17	B			12	0	2.2	0
18	C			2	0	0	2.1

RADIATION SURVEY			$\beta+\gamma$ CONTAMINATION SURVEY		α CONTAMINATION SURVEY		
INST. <u>1-1.0</u> <u>1-2</u> <u>1-11</u>			INST. <u>5-2120</u>		INST/PROBE <u>5-2120</u>		
S/N <u>4-13</u> <u>5-2415</u> <u>3-2571</u>			S/N <u>4-11</u>		S/N <u>4-11</u>		
CAL DUE DATE <u>8-1-89</u> <u>8-2-89</u> <u>8-11-89</u>			CAL DUE DATE <u>9-2-89</u>		CAL DUE DATE <u>9-1-89</u>		
EFF <u>2.1</u> <u>5.7</u> <u>4.5</u>			EFF <u>2.1</u>		EFF <u>4.71</u>		
BKG <u>1.7</u>			BKG <u>1.7</u>		BKG <u>2.0</u>		
REMARKS:					AIR SAMPLE DATA		

Surveyor (print name) P. L. L.
Surveyor (signature) Original Survey, and Sample
to file with Biscraft

Reviewed by [Signature]
Date 1-31-89



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 2 of 12

Computer LISTING NO. #1

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
46	FLOOR B31 A			1300	0	0	2.3
47	B			2600	0	19	2.3
48	C			1300	0	0	2.3
49	B32 A			2600	0	0	0
50	B			2600	0	9.0	0.0
51	C			1300	0	0	2.3
52	C29 A			1280	57	25	5.5
53	B			1280	0	5.6	0
54	C			1280	0	2.2	0
55	C30 A			1300	0	5.6	0
56	B			780	57	0	0
57	C			520	0	0	0
58	C31 A			2600	0	0	2.3
59	B			1300	0	0	0
60	C			1300	0	0	2.3
61	C32 A		NA	960	0	0	0
62	B			960	0	5.6	0
63	C			320	0	9.0	0
64	D29 A			1300	0	2.2	0
65	B			1560	0	5.5	5.5
66	C			1300	0	0	2.3
67	D30 A			2600	0	0	0
68	B			260	0	0	0
69	C			260	0	9.0	8.7
70	D31 A			1300	57	5.6	2.3
71	B			1300	0	0	0
72	C			520	0	0	0
73	D32 A			2600	0	0	2.3
74	B			1560	0	2.2	0
75	✓ C			260	0	2.2	0
-							

Surveyor (print name) D. LAMSurveyor (signature) D. LamReviewed by [Signature] Date 12-8-88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 3 of 12
NO.

Capitol
L137106
#1

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
76	T-29 A			1300		22	0
77	B			1300		21	13
78	C			2600		20	13
79	E-30 A			2600	0	0	0
80	B			4600	0	0	0
81	C			2600	0	0	0
82	E-31 A			2600	0	0	2-3
83	B			2600	0	9	0
84	C			2600	0	12	0
85	E-32 A			2600	0	0	0
86	B			5200	0	0	0
87	C			13000	0	0	0
88	E-29 A			7800	0	7	2-3
89	B			7800	0	0	0
90	C			2000	0	16	13
91	E-30 A			2600	17	22	0
92	B			13000	17	22	0
93	C			7800	17	15	11
94	E-31 A			13000	0	22	0
95	B			13000	0	0	0
96	C			2600	0	0	0
97	E-32 A			13000	0	22	2-3
98	B			2600	17	22	0
99	C			2600	0	9	0

Surveyor (print name) D LAMSurveyor (signature) A LAMReviewed by [Signature] Date 12-8-88

Radiological Control Survey Record
Continuation SheetPage 4 of 12

Computer LITTING NO

2

Surveyor (print name) J. LAM

Surveyor (signature) S. K. [Signature]

Reviewed by Ed. [Signature] Date 12-8-88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 5 of 12
NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
	WALL EE 1.1 A			260	0	0	0
	B			780	0	0	0
	C			520	0	0	2.3
	ED 1.1 A			780	0	0	0
	B			520	0	0	0
	C			260	0	22	0
	EC 1.1 A			520	0	19	2.3
	B			1300	0	8.9	2.3
	C			2600	0	8.9	8.7
	EB 1.1 A			520	0	2.2	0
	B			520	0	0	0
	C			2600	0	8.9	0
	EA 1.1 A			520	0	0	0
	B			260	0	0	2.3
	C			1300	0	0	0
	S 29.1 A			780	0	0	0
	B			1820	0	0	2.3
	C			1820	0	0	0
	S 30.1 A			520	0	2.2	0
	B			1560	0	5.6	0
	C			1300	0	0	0
	S 31.1 A			0	0	2.1	2.3
	B			0	0	0	0
	C			320	0	0	2.3
	S 32.1 A			1040	0	0	5.5
	B			1300	0	8.9	0
	C			1560	0	5.6	0
	WA 1 A			0	0	42	14
	B			380	0	25	5.5
	C			760	0	69	5.5
	WB 1 A			0	0	8.9	0

Surveyor (print name) D. LamSurveyor (signature) Original Survey, with SignatureReviewed by [Signature]Date 1-21-89

Original - Survey File: Canary - Field Ops. Pink - Job Site on file with Biscraft

Radiological Control Survey Record
Continuation Sheet

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NO.

Computer NO
2.17.14 2

A0001747 8/88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 7 of 12

Computer Listing NO #3

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
1	WALL ED 2.2 A			260	0	0	0
2	B			260	0	0	0
3	C			260	0	2.1	5.5
4	EC 2.2 A			780	0	0	0
5	B			260	0	2.2	0
6	C			520	0	12	2.3
7	EB 2.2 A			780	0	0	0
8	B			390	0	0	0
9	C			650	0	2.1	5.5
10	EA 2.2 A			1040	0	8.9	5.5
11	B			520	0	0	0
12	C			780	0	2.2	0
13	S 29.2 A			520	0	0	0
14	B			260	0	5.6	0
15	C			390	0	0	2.3
16	S 30.2 A		NA	260	0	0	0
17	B			130	0	0	0
18	C			0	0	2.1	2.3
19	S 31.2 A			780	0	0	2.3
20	B			260	0	2.2	0
21	C			520	0	0	0
22	S 32.2 A			520	0	0	0
23	B			260	0	0	0
24	C			390	0	0	0
25	WA 2 A			780	0	2.2	0
26	B			260	0	0	0
27	C			520	0	8.9	2.3
28	WB 2 A			520	0	0	0
29	B			260	0	0	2.3
30	V C			390	0	0	0

Surveyor (print name) D LAMSurveyor (signature) D LamReviewed by W Mark J Date 12-8-88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 8 of 12
Computer LISTING NO. 43

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
31	WALL WC2 A			320	0	0	2.3
32	B			260	0	0	2.3
33	C			260	0	0	0
34	WD2 A			780	0	5.6	0
35	B			260	0	0	2.3
36	C			260	0	0	0
37	WE2 A			780	0	0	0
38	B			260	0	0	0
39	C			260	0	0	0
40	WF2 A			520	0	0	2.3
41	B			260	0	0	0
42	C			260	0	0	0
43	N32.2 A			520	0	0	0
44	B			0	0	0	2.3
45	C			260	0	0	0
46	N31.2 A			780	0	0	0
47	B			520	0	0	0
48	C			260	0	0	0
49	N30.2 A			520	0	0	2.3
50	B			260	0	2.2	0
51	C			260	0	0	0
52	N29.2 A			780	0	5.6	0
53	B			520	0	0	2.3
54	C			260	0	5.6	0
55	D4 A			780	0	0	0
56	B			260	0	2.2	0
57	C			520	0	0	2.3
58	D3 A			520	0	0	0
59	B			260	0	12.0	0
60	V C			260	0	0	0

Surveyor (print name) D LAMSurveyor (signature) D LAMReviewed by [Signature] Date 12-8-88



proto-powerbiacs nuclear, inc.

Radiological Control Survey Record
Continuation Sheet

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Computer NO. 3

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrads/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
61	WALL S10 A			520	0	0	2.3
62	B			260	0	0	2.3
63	C			260	0	0	0
64	S11 A			520	0	0	0
65	B			260	0	0	0
66	C			260	0	2.2	0
67	W1 A			520	0	2.1	2.3
68	B			260	0	5.5	2.3
69	C			260	0	2.1	2.3
70	W2 A			260	0	2.2	0
71	B			260	0	0	0
72	C			260	0	2.2	0
73	N11 A			260	0	5.5	2.3
74	B			0	0	0	8.8
75	C			260	0	8.9	0
76	N12 A			1700	0	0	0
77	B			1040	0	0	0
78	C			780	0	5.6	0
79	WH1 A			260	0	0	0
80	B			0	0	0	0
81	C			260	0	0	2.3
82	LH2 A			1040	0	0	2.3
83	B			120	0	0	0
84	C			780	0	0	2.3
85	W3 A			260	0	0	0
86	B			0	0	0	5.5
87	V C			260	0	2.1	2.3

Surveyor (print name) D. L. AM

Surveyor (signature) El Lam.

Reviewed by [Signature] Date 12-2-08



proto-power/bienco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 10 of 12
NO. # 4

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
1	CEILING C47 A		DL	520 0	0	0.0	0.0
2			DL	780 260	0	0.0	2.5
3			DL	780 260	0	0.0	0.0
4	PIPE A		DL	390 0	0	15.0	0.0
5			DL	390 0	0	22.0	8.9
6			DL	520 0	0	8.8	12.0
7			DL	390 0	0	8.9	2.5
8				0	0	18.0	5.7
9				0	0	22.0	5.7
10				0	0	12.0	5.7
11	CEILING C46 A			260	0	0.0	1.7
12				0	0	2.2	0.0
13				260	0	2.1	2.5
14	PIPE A			0	0	12.0	0.0
15				260	0	28.0	2.1
16				520	0	2.0	2.5
17				0	0	15.0	5.7
18				0	0	8.9	2.5
19				0	0	15.0	2.5
20				0	0	2.2	0.0
21				0	0	8.9	2.5
22				0	0	1.6	0.0
23	CEILING C45 A			0	0	8.9	0.0
24				0	0	2.1	2.5
25				0	0	2.2	0.0
26	PIPE A			0	0	35.0	8.9
27				0	0	15.0	2.5
28				0	0	2.2	0.0
29				0	0	0.0	2.5
30				0	0	8.9	5.7
31				0	0	5.5	2.5

Surveyor (print name) DLAMSurveyor (signature) DLAMReviewed by DLAM Date 12-8-88



proto-powerblisco nuclear, inc.

Radiological Control Survey Record
Continuation SheetPage 12 of 12
NO.

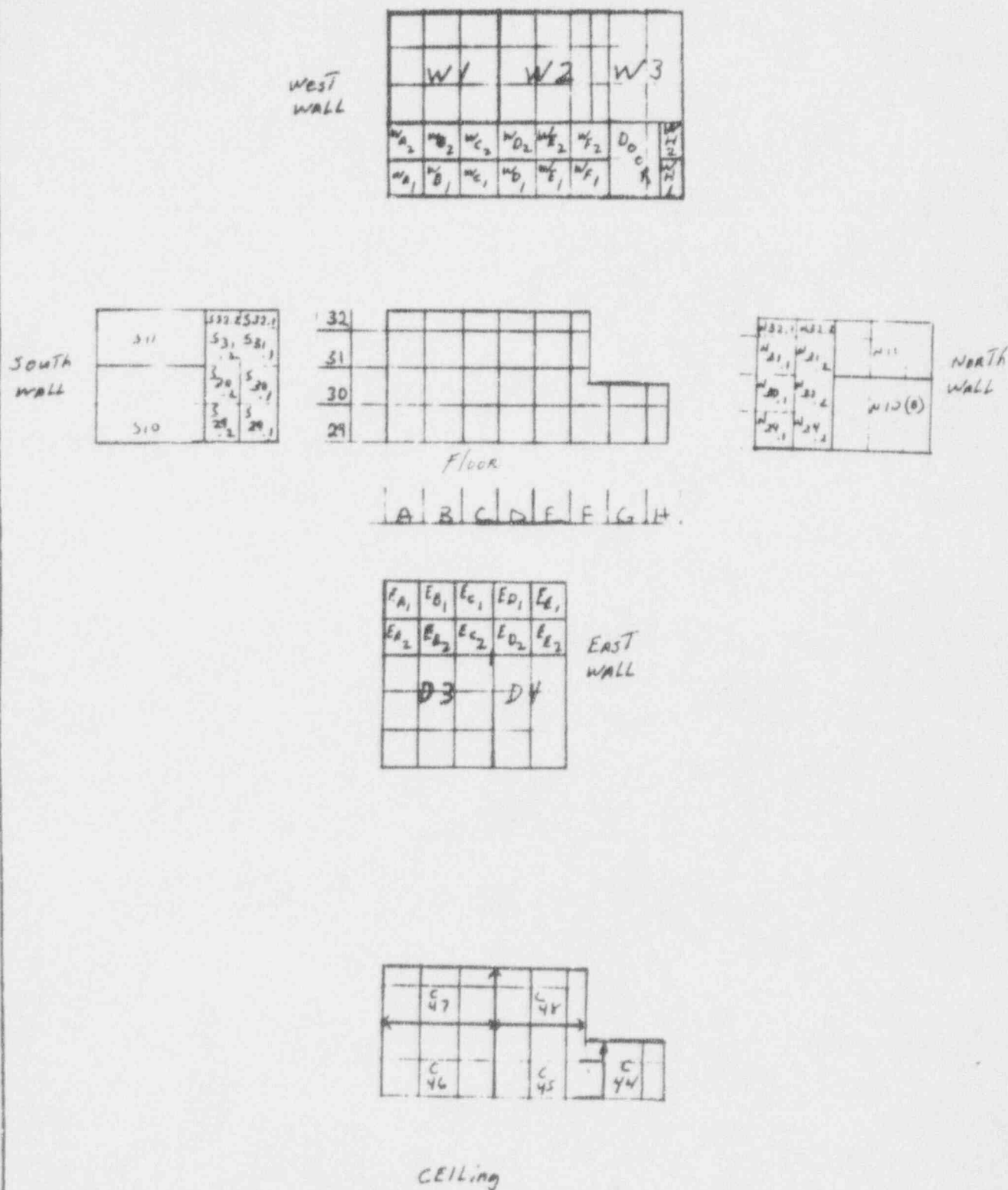
ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ R/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
	Ceiling C 44 A		1.4	0	0	5.6	0
	B			0	0	8.9	2.5
	C			0	0	0	0
	Pipe A			0	0	12	8.9
	B			0	0	0	0
	C			260	0	19	2.5
	D			0	0	22	5.7
	E			780	0	22	0
	F			0	0	12	5.7
	Ceiling C 48 A		1.1	260	0	25	5.7
	B			0	0	35	12
	C			0	0	15	5.7
	Pipe A			0	0	5.5	2.5
	B			0	0	8.9	5.7
	C			0	0	0	0
	D			0	0	2.1	5.7
	E			260	0	12	2.5
	F			260	0	0	2.5
	Dose Rate Survey C 44		1.0				
	C 45		1.5				
	C 46		1.5				
	C 47		2.0				
	C 48		1.5				
		N/A					
		N/A					
		N/A					

Surveyor (print name) D. Lam

Surveyor (signature) Original survey, with signature

Reviewed by Paul A. Jones

Date 1-21-54



Harpenizer

GRID MAP

DATE 12/2 - 12/5

SURVEYOR (PRINT NAME) LAM

TIME 1200

SURVEYOR (SIGNATURE) Lee

C) Chemistry Lab, Paint Cleaning Room,
Paint Room and Annex

NOTES TO SURVEY DATA.

Additional instruments used to perform the direct contamination survey that may not have been included on the first page of the survey.

<u>INSTRUMENT</u>	<u>SERIAL #</u>	<u>CAL. DUE DATE</u>	<u>TYPE</u>
E-120	9113	8-2-89	BETA/GAMMA
E-120	9146	8-2-89	BETA/GAMMA
L-3	46921	8-2-89	BETA/GAMMA
L-3	49892	8-2-89	BETA/GAMMA
L-3	50150	8-12-89	BETA/GAMMA
L-3	49795	8-12-89	BETA/GAMMA
L-3	46966	2-2-89	BETA/GAMMA
L-2	50144	8-2-89	ALPHA
L-2	52093	8-2-89	ALPHA
L-2	52068	8-2-89	ALPHA
L-2	52061	8-12-89	ALPHA
L-3	38656	9-6-89	ALPHA

All instruments where response checked each day of use. An individual correction factor was calculated for instrument and applied when performing the fixed contamination survey.

Part of the package contains survey information on the pipes near and along the ceiling area. The pipes were grouped according to the ceiling area they are located in. The pipe survey labels correspond to the same areas as the ceiling survey. ie: ceiling location: ccl
- pipe location: xxl

Each pipe was labeled starting with the letter "A", and continue upward through the alphabet until all pipes in the designated area have been labeled.



proto-power/biotech nuclear, inc.
440 williams street
new london, ct 06320
(203) 444-2100

Radiological Control Survey Record

LOCATION: CHEMLAB

REASON FOR SPECIAL SURVEY: RELEASE OF ROOM
FOR GENERAL ACCESS

NO.

Page 1 of 50

DATE

12/8/88

TIME

1200

☐ ROUTINE

☒ SPECIAL

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
1	XX1-A PIPES			500	0	3.8	8.2
2	B			1000	0	34	1.9
3	C			1000	0	30	5.1
4	D			500	0	24	0
5	E			750	0	37	5.1
6	F			500	0	17	1.9
7	G			750	0	14	0
8	H			750	0	27	8.2
9	I			500	0	51	1.9
10	J			500	0	37	0
11	K			500	0	10	0
12	XX2-A			500	0	10	0
13	B			500	0	64	14
14	C			750	0	20	1.9
15	D			500	0	20	8.2
16	E			750	0	47	8.2
17	F			1000	0	17	0
18	G			750	0	14	1.9

RADIATION SURVEY		B. γ CONTAMINATION SURVEY		A. CONTAMINATION SURVEY	
INST L-MOD-3	INST L-MOD-2	INST C2404	INST/PROBE C2404	S/N's N/A	S/N's N/A
SS 49795	SS 52093	CAL DUE DATE 9/7/89	CAL DUE DATES 9/7/89	EFF .295	EFF .316
CAL DUE DATE 2/12/89	DAL DUE DATE 8/2/89	BKG 1.86 μ R	BKG 0.40 μ R	AIR SAMPLE DATE:	
REMARKS:				T = 4.0 $\times 10^{-10}$ μ R	
L-3 BKGD = 40 cpm				t/3 = 29 min	
L-19 SR* 32871, cal due 8-16-89 BKGD = 3 μ R/hr					

Surveyor (print name) MARCHESE/STARNES/TOULY/1AM/RAFFESANTI

Surveyor (signature) [Signature]

Reviewed by [Signature]

Date 1-11-89



proto-powerbisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrads/hr	γ mrads/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
xx3	A			750	0	3.8	1.9
	B			750	0	14	1.9
	C			1000	0	34	5.1
	D			750	110	24	5.1
	E			500	0	17	0
	F			250	0	14	0
	G			500	0	10	1.9
	H			750	0	24	1.9
	I			750	0	3.9	0
xx4	A			500	0	0	0
	B			500	0	44	5.1
	C			250	0	30	5.1
	D			750	110	13	8.2
	E			1000	0	20	5.1
	F			750	110	14	0
	G			750	110	3.8	1.9
	H			500	0	34	1.9
	I			500	0	0	0
	J			250	0	4.7	0
xx5	A			500	0	24	0
	B			500	0	17	0
	C			500	110	3.8	1.9
	D			1000	220	14	1.9
xx6	A			500	0	20	0
	B			750	0	37	1.9
	C			750	0	17	1.9
	D			1000	110	20	1.9
	E			1250	0	3.8	1.9
	F			1250	0	7.2	1.9
	G			750	0	7.3	0

Surveyor (print name) ACCESANTI / MARCHESE / STANIS / TOLLY / LAMSurveyor (signature) [Signature] PR Tolly LamReviewed by [Signature]Date 12-11-88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 3 of 50
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
xx7	A PIPES			750	0	7.3	0
	B			750	0	7.2	5.1
	C			500	0	2.4	0
	D			500	110	1.4	0
	E			750	110	6.4	1.9
	F			750	230	4.7	0
	G			750	0	1.0	1.9
	H			750	0	4.7	0
	I			1250	0	2.7	0
	J			1250	0	4.5	1.9
	K			750	0	4.2	5.1
	L			500	0	4.5	1.9
	M			750	0	0	1.9
	N			1000	0	4.7	0
xx8	A		N A	500	0	3.8	5.1
	B			500	0	4.1	1.9
	C			750	0	4.7	0
	D			500	0	1.4	1.9
	E			500	0	1.4	0
	F			500	0	0	0
	G			1000	0	4.7	0
xx9	A			500	0	0	1.9
	B			500	0	3.9	0
	C			750	110	1.4	0
	D			750	0	4.2	5.1
	E			1000	0	4.7	0
	F			750	0	4.1	8.2
xx10	A			500	0	3.9	0
	B			500	110	0	0
	C			750	110	1.0	5.1
	D			750	110	1.4	0

Surveyor (print name) LAM / MAFRESANTI / MARCHESI / STARVES / TULNYSurveyor (signature) Lee B. A. [Signature] Fr. T. [Signature]Reviewed by [Signature]Date 12-11-88



proto-power blase nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 4 of 50
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
XX 10	E PIPES			1000	110	7.7	0
	F			750	110	7.3	0
	G			1250	110	3.9	0
	H			1250	110	4.7	0
	I			750	110	3.8	1.9
	J			250	0	3.9	0
XX 11	A			500	0	4.7	0
	B			500	0	0	0
	C			750	220	4.7	0
	D			750	0	0	0
	E			500	0	0	0
	F			750	0	4.7	0
	G			750	0	0	0
	H			500	0	7.3	0
XX 12	A			500	0	3.9	8.2
	B		N/A	1000	0	3.9	0
	C			1000	0	0	5.1
	D			750	0	3.9	0
	E			500	0	4.7	0
	F			750	0	4.5	1.9
XX 13	A			500	0	17	1.9
	B			500	110	3.8	1.9
	C			500	110	3.9	0
	D			750	0	4.5	1.9
	E			750	0	14	0
XX 14	A			750	110	0	0
	B			1250	0	3.8	1.9
	C			1000	0	0	0
	D			1000	0	4.5	1.9
	E			750	0	3.9	0
	F			1000	110	7.2	5.1

Surveyor (print name) TOLLY/LAM/MAFFESSANTI/MARINESI/STARNESSurveyor (signature) [Signature] Reviewed by [Signature] Date 12-11-88



proto-power/biseco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 5 of 50
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
XX 4	F			1250	110	1260	7.3
	H			1250	110	4.2	5.1
	I			1000	0	0	0
	J			1000	0	4.5	1.9
	K			750	0	10	11
	L			500	0	7.2	1.9
XX 5	A			750	0	4.5	1.9
	B			1000	0	7.2	1.9
	C			1000	0	7.3	0
	D			750	110	0	0
	E			750	220	24	5.1
	F			500	110	4.7	0
XX 6	A			750	0	3.8	1.9
	B		N A	750	0	7.2	1.9
	C			500	0	0	0
	D			1000	0	7.3	0
	E			1000	0	0	1.9
	F			750	0	7.2	8.2
XX 7	A			1000	110	3.9	0
	B			1000	0	4.5	1.9
	C			750	0	4.2	5.1
	D			750	0	10	1.9
	E			500	0	3.9	0
	F			750	0	0	1.9
	G			1250	0	3.8	1.9
XX 8	A			750	0	4.7	0
	B			500	220	0	0
	C			500	110	3.9	0
	D			750	220	0	0
	E			750	0	0	0
	F			1000	0	20	1.9

Surveyor (print name) STARNE / TOLLY / LAM / MAFFESANTI / MARCHEGSurveyor (signature) [Signature]Reviewed by [Signature]Date 12-11-88



proto-power/blaco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
^{XX} 18	F			1250	0	3.9	0
^{XX} 19	A			750	0	7.2	5.1
	B			1000	0	4.7	0
	C			500	0	10	0
	D			250	0	3.8	1.9
	E			1000	0	10	0
	F			750	110	0	0
	G			1000	0	0	0
	H			1000	0	4.7	0
	I			750	0	0	0
^{XX} 20	A			500	0	10	0
	B			500	0	51	8.2
	C			750	220	10	1.9
	D			750	110	7.2	1.9
	E		N A	750	0	4.2	5.1
	F			1000	0	7.2	5.1
	G			750	110	5.8	8.5
	H			500	0	3.9	0
^{XX} 21	A			750	0	0	0
	B			1000	0	10	0
	C			1000	110	7.3	0
	D			1000	220	17	0
	E			750	220	7.2	1.9
	F			250	110	10	1.9
	G			750	0	4.5	1.9
	H			1000	0	4.7	0
^{XX} 22	A			500	220	3.9	0
	B			1250	0	3.8	1.9
	C			1500	0	4.7	0
	D			750	0	10	0
	E			1000	220	10	0

Surveyor (print name) MARCHESE / STARNIS / TOLLEY / AMI / MAFFESSANTISurveyor (signature) [Signature]Reviewed by [Signature]Date 12-11-38



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
<u>XX</u> <u>22</u>	F PIPES			1500	0	0	1.9
	G			1000	110	7.2	1.9
	H			1000	110	4.7	0
<u>CC</u> <u>1</u>	A CEILING			250	0	0	0
	B			250	0	4.7	0
	C			500	0	0	1.9
<u>CC</u> <u>2</u>	A			0	0	4.7	0
	B			0	0	4.7	0
	C			250	0	0	0
<u>CC</u> <u>3</u>	A			0	0	7.3	0
	B			500	110	4.7	0
	C			0	0	4.7	5.1
<u>CC</u> <u>4</u>	A			250	0	3.9	0
	B		MA	500	0	4.7	0
	C			500	0	0	1.9
<u>CC</u> <u>5</u>	A			0	0	0	0
	B			250	0	0	0
	C			250	0	0	0
<u>CC</u> <u>6</u>	A			250	0	3.9	0
	B			0	0	7.3	0
	C			500	0	3.9	0
<u>CC</u> <u>7</u>	A			250	0	0	1.9
	B			250	0	4.7	0
	C			250	0	3.8	1.9
<u>CC</u> <u>8</u>	A			0	0	0	0
	B			0	0	0	0
	C			500	0	0	0
<u>CC</u> <u>9</u>	A			250	0	0	0
	B			250	0	7.3	0
	C			500	0	0	0

Surveyor (print name) DAFFESANTI / MARCHESI / STARVES / TOLLEY / LAMSurveyor (signature) [Signature]Reviewed by [Signature]Date 12/1/88



proto-powerbisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrads/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
CC 10	A CEILING			500	0	0	0
	B			250	0	0	0
	C			250	0	0	0
CC 11	A			250	0	47	0
	B			0	0	45	1.9
	C			0	0	45	1.9
CC 12	A			500	0	0	0
	B			500	0	0	1.9
	C			250	0	0	0
CC 13	A			250	0	0	0
	B			0	0	3.9	0
	C			0	110	0	1.9
CC 14	A			0	0	0	0
	B			500	0	20	0
	C			0	0	0	0
CC 15	A			0	0	47	0
	B			500	0	47	0
	C			500	0	0	0
CC 16	A			250	0	17	0
	B			250	0	47	0
	C			0	0	47	0
CC 17	A			0	0	3.9	0
	B			0	0	0	0
	C			0	0	47	0
CC 18	A			500	0	47	0
	B			250	0	0	0
	C			0	110	0	0
CC 19	A			0	0	0	5.1
	B			250	0	3.9	0
	C			250	0	0	5.1

Surveyor (print name) LAM/MAFFESSANTI/MARCHESE/STARNES/TULLYSurveyor (signature) [Signature]Reviewed by [Signature]Date 12-11-88



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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 NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/yr	γ mr/yr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
CC 20	A CEILING			0	0	0	0
	B			250	0	0	0
	C			250	0	0	0
CC 21	A			0	0	0	0
	B			0	0	0	0
	C			0	0	0	0
CC 22	A			0	0	47	0
	B			0	0	3.8	5.1
	C			0	110	0	0
NW 1	A UPPER - WALLS			500	0	0	0
	B			750	0	0	0
	C			750	0	24	1.9
NW 2	A			750	0	3.9	0
	B		N/A	500	0	10	0
	C			500	0	45	1.9
NW 3	A			500	0	17	5.1
	B			750	0	3.8	1.9
	C			250	0	3.9	0
NW 4	A			500	0	3.8	1.9
	B			500	0	0	1.9
	C			500	0	0	1.9
NW 5	A			250	0	10	0
	B			250	0	0	1.9
	C			750	0	0	0
EH 1	A			500	0	7.3	0
	B			500	0	3.9	0
	C			250	0	47	0
EH 2	A			250	0	47	0
	B			750	0	0	1.9
	C			500	0	17	5.1

 Surveyor (print name) TOLLEY/LAM/MAFFESSANTI/MARCHESE/STARNES

 Surveyor (signature) [Signature] Reviewed by [Signature] Date 12-11-88

Original - Survey File - Canary - Field Ops - Pink - Job Site

A0001747 8/88



proto-powerbisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
EH3	A UPPER-WALLS			500	0	.47	0
	B			750	0	0	0
	C			500	0	0	0
EH1	A			500	110	0	0
	B			500	0	.45	1.9
	C			1000	0	0	0
EH2	A			750	220	3.8	1.9
	B			750	0	20	5.1
	C			500	0	7.3	0
EH5	A			750	0	0	0
	B			750	0	30	0
	C			1000	0	.42	5.1
EH4	A			1000	0	0	0
	B		N/A	1000	220	.45	1.9
	C			1250	0	0	0
EH5	A			750	110	10	0
	B			1250	110	.47	0
	C			1000	0	.42	5.1
L1	A			500	0	0	0
	B			500	0	.47	0
	C			250	0	.47	0
L2	A			250	0	7.3	0
	B			750	0	0	0
	C			500	0	0	0
L3	A			500	0	0	0
	B			250	0	0	0
	C			750	0	.47	0
L4	A			750	0	3.9	0
	B			500	0	0	0
	C			500	0	7.2	1.9

Surveyor (print name) STARNES/TOWHY/LAM /MARESSANTI /MARCHESK

Surveyor (signature) *[Signature]* Reviewed by *[Signature]* Date 12-1-88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
W5	A UPPER-WALLS			250	0	0	0
	B			750	0	4.7	0
	C			750	0	7.3	0
W6	A			500	0	14	0
	B			750	0	0	0
	C			750	0	7.3	0
W7	A LOWER-WALLS			500	0	0	4.7
	B			250	0	3.7	1.5
	C			250	0	0	0
W8	A			0	0	3.7	0
	B			250	0	3.7	0
	C			500	0	0	4.7
W9	A			0	0	0	0
	B			500	0	0	0
	C			500	0	3.7	4.7
W10	A			250	0	0	0
	B			250	0	0	0
	C			0	0	0	1.5
W11	A			0	0	0	1.5
	B			500	0	3.7	1.5
	C			250	0	3.7	0
W12	A			250	0	3.6	1.5
	B			0	0	7.2	0
	C			500	0	3.7	0
W13	A			250	0	0	0
	B			0	0	0	0
	C			0	0	3.6	1.5
W14	A			500	0	0	0
	B			750	0	0	0
	C			500	0	3.7	1.5

Surveyor (print name) MARCHESE/STARNES/TWIT/LAM/MATTESSINISurveyor (signature) [Signature]Reviewed by [Signature]Date 12-11-88

Original - Survey File, Canary - Field Ops, Pink - Job Site

A0001747 8/88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
L ₁ ¹ A	LOWER-LJALLS			500	0	0	0
B				750	0	7.2	0
C				500	0	0	1.5
L ₂ ¹ A				250	0	3.6	1.5
B				250	0	2.9	7.8
C				500	0	0	0
L ₃ ¹ A				500	0	3.6	1.5
B				750	0	3.7	0
C				250	0	3.7	0
L ₄ ¹ A				500	0	0	0
B				500	0	10	0
C				250	0	0	0
L ₅ ¹ A				250	0	0	0
B				500	0	07.8	01.8
C			N/A	750	0	20	10
L ₆ ¹ A				500	0	0	1.5
B				250	0	3.6	1.5
C				250	0	0	1.5
L ₇ ¹ A				750	110	0	0
B				750	0	0	1.5
C				500	0	30	10
L ₈ ¹ A				250	0	13	0
B				250	0	10	0
C				0	0	17	4.7
L ₉ ¹ A				250	0	3.8	0
B				500	0	10	0
C				250	0	3.8	0
L ₁₀ ¹ A				250	0	3.8	0
B				0	0	0	1.5
C				500	0	4.7	0.47

Surveyor (print name) DAVE SANTU / MARCHESE / STARNES / TOLEY / LAMSurveyor (signature) [Signature]Reviewed by [Signature]Date 12-11-88



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
WJ 1	A LOWER-WALLS			500	0	0	1.5
	B			500	0	0	4.7
	C			250	0	3.8	0
WJ 2	A			250	0	0	1.5
	B			250	0	3.8	0
	C			250	0	3.7e ⁻¹	0
LJK 1	A			250	110	0	0
	B			500	0	7.2	0
	C			750	0	3.6e ⁻¹	1.5
LJK 2	A			250	0	3.8	0
	B			500	0	0	0
	C			250	0	3.6e ⁻¹	1.5
LJL 1	A			500	0	0	0
	B			250	0	0	0
	C			500	0	0	1.5
LJL 2	A			0	0	0	0
	B			0	0	3.8	0
	C			250	0	0	4.7
LJM 1	A			500	0	3.8	0
	B			250	0	0	1.5
	C			0	0	0	0
LJM 2	A			0	0	0	4.7
	B			0	0	10	0
	C			250	0	7.1	1.5
LJN 1	A			250	0	0	0
	B			500	0	0	0
	C			500	0	3.7e ⁻¹	0
LJN 2	A			250	0	7.2	0
	B			250	0	0	0
	C			250	0	0	0

Surveyor (print name) LAM / MAFFESANTI / MARCHESE / STARNES / TOLLEYSurveyor (signature) [Signature]Reviewed by [Signature]Date 12-11-88



proto-power/bleco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
40	A LOWER WALLS			500	0	0	0
	B			750	0	0	0
	C			750	0	7.2	0
40	A			750	0	0	1.5
	B			250	0	0	0
	C			250	0	0	4.7
40	A			500	0	0	1.5
	B			250	0	0	0
	C			250	0	0	0
40	A			0	0	0	0
	B			500	0	3.7e ⁻¹	0
	C			750	0	3.7e ⁻¹	0
40	A			250	0	3.7e ⁻¹	0
	B		N/A	250	0	0	0
	C			500	0	0	0
40	A			250	0	0.47e ⁻¹	4.7
	B			250	0	3.7e ⁻¹	0
	C			500	0	3.6e ⁻¹	1.5
40	A			500	0	0	0
	B			500	0	2.7	0
	C			250	0	0	0
40	A			500	0	7.2	0
	B			250	0	0	0
	C			500	0	7.2	0
511	A			750	110	0	0
	B			750	0	3.8	0
	C			500	0	0	0
	D			750	0	0	0
	E			1000	110	0	0
	F			750	0	0	0

Surveyor (print name) TOLLEY / AAM / MAFFESSANTI / MARCHESE / STARNISSurveyor (signature) [Signature] Reviewed by [Signature] Date 12-11-88



proto-power/bleco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ R/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
S1/2	A LOWER-WALLS			500	0	0	0
	B			500	0	3.6e ⁴	1.5
	C			750	0	0	0
	D			500	0	0	1.5
	E			250	0	0	0
	F			500	0	0	1.5
S2/1	A			750	110	0	0
	B			1000	0	0	0
	C			1250	0	0	0
	D			1000	220	0	0
	E			750	0	3.7e ⁴	0
	F			750	0	0	0
S2/2	A			500	0	3.6e ⁴	1.5
	B			250	0	0	0
	C			500	0	0	0
	D			500	0	0	0
	E			750	0	3.7e ⁴	0
	F			250	0	0	1.5
S3/1	A			1000	0	3.8	0
	B			500	0	0	4.7
	C			1000	0	0	4.7
	D			1000	110	0	1.5
	E			750	0	0	0
	F			750	0	0	1.5
S3/2	A			250	0	0	0
	B			500	0	0	0
	C			500	0	0	0
	D			500	0	0	0
	E			250	0	3.7e ⁴	0
	F			750	0	0	0

Surveyor (print name) STARNES/TOLLEY/LAM/MAFFESSANTI/MARCHELLE

Surveyor (signature)

Reviewed by

Date 12-11-88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
541	A LOWER-WALLS			750	0	0	1.5
	B			750	0	0	0
	C			1000	0	3.7e ⁴	0
	D			1000	110	0	4.7
	E			1000	220	3.7e ⁴	0
	F			500	0	0	4.7
542	A			500	0	0	1.5
	B			750	0	0	1.5
	C			500	0	3.7	4.7
	D			250	0	3.7e ⁴	0
	E			250	0	3.7e ⁴	0
	F			500	0	0	0
551	A			750	0	3.7e ⁴	0
	B			500	0	0	0
	C		N/A	500	0	0	0
	D			1000	0	0	1.5
	E			1000	0	0	0
	F			500	0	0	0
552	A			500	0	0	7.8
	B			500	0	0	0
	C			250	0	0	0
	D			500	0	0	0
	E			750	0	0	0
	F			500	0	0	0
561	A			750	0	0	0
	B			750	0	0	0
	C			750	0	3.8	0
	D			1000	110	0	0
	E			750	0	0	1.5
	F			500	0	3.6e ⁴	1.5

Surveyor (print name) MARCHESE / STARNES / TOLLEY / LAM / MAFFESSANTISurveyor (signature) [Signature]Reviewed by Fr. Tommy LeeReviewed by [Signature]Date 12-11-88



prote-power/white nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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 NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
56 2	A LOWER WALLS			500	0	0	4.7
	B			500	0	0	1.5
	C			500	0	0	0
	D			250	0	0	0
	E			500	0	0	0
	F			500	0	0	1.5
57 1	A			750	0	0	1.5
	B			1000	0	0	1.5
	C			1000	220	3.7	1.5
	D			1250	0	0	0
	E			750	0	0	0
	F			500	0	0	1.5
57 2	A			500	0	0	0
	B		N/A	500	0	0	0
	C			500	220	0	0
	D			750	0	0	0
	E			500	0	0	0
	F			500	0	0	1.5
58 1	A			750	0	0	0
	B			750	0	0	0
	C			500	0	3.2e ⁻¹	4.7
	D			750	0	0	0
	E			1000	0	0	0
	F			750	0	3.7e ⁻¹	0
58 2	A			750	0	0	0
	B			500	0	3.7e ⁻¹	0
	C			500	0	0	0
	D			250	0	3.7e ⁻¹	0
	E			250	0	0	7.8
	F			500	0	0	0

Surveyor (print name) DIAMFESSANTI / MARCHESE / STARNIS / TOLLEY / LAMSurveyor (signature) [Signature] Reviewed by [Signature] Date 12-11-88



proto-power/bios nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
59. 1	A LOWER - WALLS			750	0	3.7e ⁻¹	0
	B			1000	0	0	0
	C			1000	0	3.8	0
	D			750	0	3.6e ⁻¹	1.5
	E			750	0	0	0
	F			750	0	0	0
59. 2	A			500	0	3.8	0
	B			250	0	0	1.5
	C			750	0	3.8	0
	D			500	0	0	0
	E			250	0	3.7	1.5
	F			250	0	0	1.5
510. 1	A			250	0	0	0
	B			750	0	7.1	4.7
	C			1000	0	0	0
	D			1000	0	3.7e ⁻¹	0
	E			750	0	0	0
	F			750	0	0	0
510. 2	A			500	0	0	0
	B			500	0	3.7e ⁻¹	0
	C			750	0	0	0
	D			500	0	0	0
	E			750	0	3.6e ⁻¹	1.5
	F			750	0	0.47	0.47
511. 1	A			750	0	0	0
	B			750	0	0	0
	C			500	110	0	0
	D			750	0	3.8	0
	E			1000	0	0	0
	F			750	0	0	0

Surveyor (print name) KAM / MAFFISSANTI / MARCHESE / STARVIS / TOLLEYSurveyor (signature) [Signature]Reviewed by [Signature]Date 12 / 11 / 38



proto-powerblends nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/d	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
511/2	A LOWER-WALLS			750	0	0	0
	B			500	0	3.6e ⁺	1.5
	C			500	0	3.8e ⁺	0
	D			500	0	0	0
	E			250	0	0	0
	F			250	0	0	0
512/1	A			500	0	3.2e ⁺	4.7
	B			500	0	7.1	7.8
	C			750	0	1.3	0
	D			750	0	3.8	0
	E			750	0	7.2	0
	F			1000	0	0	0
512/2	A			500	0	0	0
	B			750	0	7.1	1.5
	C			500	0	3.7e ⁺	0
	D			1000	0	0	0
	E			500	0	0	0
	F			500	0	3.8	0
512/3	A			750	110	0	0
	B			750	0	3.6	10
	C			1000	0	3.7e ⁺	0
	D			750	0	7	10
	E			750	0	3.7e ⁺	0
	F			750	0	0	0
513/3	A			500	0	3.7e ⁺	0
	B			750	0	0	0
	C			500	0	3.8	0
	D			500	0	7.2	0
	E			250	0	3.7e ⁺	0
	F			250	0	7.1	1.5

Surveyor (print name) TOLEY / LAM / MAFFESSIMI / MARCHESI / STARINISSurveyor (signature) [Signature]Reviewed by [Signature]Date 12-11-88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
S14 1	A LOWER WALLS			750	0	0	0
	B			500	220	3.6e ⁴	1.5
	C			500	0	7.1	1.5
	D			750	0	0	0
	E			1000	0	0	0
	F			1000	0	0	1.5
S14 2	A			750	0	0	0
	B			500	0	0	0
	C			500	0	0	0
	D			500	0	0	0
	E			500	0	3.7e ⁴	0
	F			500	0	0	0
S15 1	A			750	0	0	1.5
	B		N/A	500	220	20	1.5
	C			1000	0	0	0
	D			1000	110	0	0
	E			750	0	0	0
	F			1000	0	0	1.5
S15 2	A			500	0	3.7	4.7
	B			500	0	0	0
	C			750	0	0	0
	D			500	0	0	0
	E			500	0	0	0
	F			250	0	0	0
SA1	A			500	0	0.78e ⁴	0
	B			500	0	0	0
	C			250	0	0	0
SA2	A			250	0	7.49e ⁴	0
	B			500	0	0	0
	C			500	0	0	0

Surveyor (print name) STARNES/TOWLEY/LAM/MAFFESANTI/MARCHESE

Surveyor (signature)

Reviewed by

Date



proto-powerblanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
ET ₃	A LOWER WALLS			500	0	10	0
	B			250	0	0	0
	C			500	0	0	0
ET ₂	A			0	0	0	1.5
	B			250	0	7.1	1.5
	C			500	0	0	0
ET ₁	A			0	0	7.1	4.7
	B			0	0	0	0
	C			500	0	0	4.7
ET ₂	A			500	0	3.7e ⁴	0
	B			500	0	0	1.5
	C			250	0	0	0
ET ₁	A			250	0	17	1.5
	B			250	0	0	0
	C		N/A	0	0	3.2e ⁴	4.7
ET ₂	A			500	0	7.2	0
	B			500	0	3.7	1.5
	C			250	0	3.7e ⁴	0
ET ₁	A			250	0	0	0
	B			500	0	3.8	0
	C			500	0	7.1	1.5
ET ₂	A			250	0	7.1	7.8
	B			250	0	0	1.5
	C			500	0	10	4.7
ET ₁	A			250	0	3.7	4.7
	B			500	0	3.7e ⁴	0
	C			500	0	3.8	0
ET ₂	A			500	0	0	0
	B			500	0	0	0
	C			250	0	0	1.5

Surveyor (print name) ARCHES LITARNIS / TOLBY / LAM / MAFFESSANTISurveyor (signature) [Signature] Reviewed by [Signature] Date 12-11-88



proto-powerblacc nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/yr	γ mR/yr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
E61	A LOWER WALLS			500	0	0	0
	B			500	0	0	0
	C			250	0	0	0
E62	A			250	0	0	0
	B			750	0	17	1.5
	C			250	0	0	1.5
N1.1	A			500	0	3.6e ⁴	1.5
	B			0	0	0	1.5
	C			500	0	0	1.5
N1.2	A			500	0	0	1.5
	B			250	0	0	1.5
	C			500	0	0	0
N2.1	A			500	0	3.7	1.5
	B			750	0	3.8	0
	C			500	0	3.7	1.5
N2.2	A			500	0	3.6e ⁴	1.5
	B			250	0	0	1.5
	C			250	0	0	0
N3.1	A			500	0	0	0
	B			250	0	0	0
	C			250	0	10	4.7
N3.2	A			500	0	0	0
	B			500	0	0	0
	C			250	0	3.2e ⁴	4.7
N4.1	A			250	0	7.2	0
	B			250	0	0	0
	C			250	0	0	0
N4.2	A			500	0	0	0
	B			500	0	0	0
	C			250	0	0	0

Surveyor (print name) MAFFESSANTI / MARCHESE / STANTIS / TOLLEY / LAMSurveyor (signature) [Signature]Reviewed by [Signature]Date 12-11-88



proto-powerbliss nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
N5.1	A LOWER WALLS			500	0	3.8	0
	B			500	0	20	1.5
	C			250	0	3.7	1.5
N5.2	A			250	0	0	1.5
	B			250	0	3.7e ⁻¹	0
	C			500	0	0	1.5
N6.1	A			250	0	13	0
	B			250	0	3.7e ⁻¹	0
	C			250	0	3.6e ⁻¹	1.5
N6.2	A			500	0	10	4.7
	B			500	0	3.8	0
	C			500	0	3.6e ⁻¹	1.5
N7.1	A			250	110	0	0
	B			250	0	0	0
	C			250	0	13	1.5
N7.2	A			500	0	3.8	0
	B			500	0	7.1	1.5
	C			500	0	7.1	1.5
N8.1	A			250	0	20	4.7
	B			0	0	57	4.7
	C			250	0	13	4.7
N8.2	A			500	0	0	0
	B			500	0	0	1.3
	C			500	0	0	1.3
N9.1	A			250	0	7.1	1.5
	B			250	0	13	4.7
	C			500	0	0	0
N9.2	A			500	0	10	0
	B			500	0	3.6	10
	C			750	0	3.7	1.5

Surveyor (print name) XAM / MAFFESSANTI / MARCHESE / STARNES / TOLRYSurveyor (signature) [Signature] Reviewed by [Signature] Date 12-1-88

Original - Survey File, Canary - Field Ops, Back - Job Site

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111949 A0001747 9/88



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/yr	γ mr/yr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
N109	A LOWER-LJALIS			250	0	0	1.5
	B			250	0	3.8	0
	C			250	0	0	0
N110	A			500	0	3.8	0
	B			250	0	13	7.8
	C			250	0	10	7.8
N111	A			0	0	3.6e	1.5
	B			250	0	3.6e	1.5
	C			750	0	0	1.5
N112	A			250	0	3.7e	0
	B			250	0	3.8	0
	C			250	0	0	0
N113	A			0	0	0	0
	B		N/A	250	0	3.6e	3.7e
	C			750	0	0	0
N114	A			250	0	27	4.7
	B			250	0	3.6e	1.5
	C			250	0	17	1.5
N115	A			0	0	0	7.8
	B			0	0	0	4.7
	C			500	0	0	1.5
N116	A			750	0	7.2	0
	B			250	0	0	0
	C			250	0	7.1	4.7
N117	A			750	0	0	0
	B			500	0	0	0
	C			250	0	0	1.5
N118	A			250	0	3.7e	3.7e
	B			250	0	0	0
	C			500	0	0	0

Surveyor (print name) TOLIN LAM / MAFFEISSANTI / MARCHESI / STARNESSurveyor (signature) [Signature] Reviewed by [Signature] Date 12-11-88

Original - Survey File, Canary - Field Ops, Pink - Job Site

A0001747 8/88



proto-power/biseco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
NIS A	LOWER WALLS			250	0	0	0
	B			750	0	3.8	0
	C			500	0	0	1.5
NIS 2	A			500	0	3.7e ⁴	0
	B			250	0	0	4.7
	C			250	0	0	0
A1	A FLOOR			0	114	24	5.2
	B			680	57	14	11
	C			0	0	28	2
A2	A			340	57	28	0
	B			0	57	14	2
	C			1360	0	14	0
A3	A			1020	0	21	0
	B			1360	0	7.7	0
	C			680	57	14	0
A4	A			340	57	14	2
	B			1020	0	21	8.4
	C			0	0	28	0
A5	A			0	0	4.3	5.2
	B			0	0	0	0
	C			0	0	9.5e ⁴	0
A6	A			0	0	4.3	0
	B			0	0	0	5.2
	C			0	0	4.3	2
A7	A			0	0	11	5.2
	B			0	0	4.3	0
	C			340	0	0	0
A8	A			0	0	9.3e ⁴	2
	B			0	0	14	0
	C			0	0	0	2

Surveyor (print name) STARINS/TOLLEY/LAM/MAFFESSANTI/MARCHESESurveyor (signature) [Signature] Reviewed by [Signature] Date 12-11-88

Original - Survey File, Canary - Field Ops., Pink - Job Site

A0001747 B/88



proto-power/hisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
A9	A FLOOR			0	0	0	2
	B			340	0	4.3	2
	C			680	0	11.1	0
A10	A			340	0	9.5e ⁴	0
	B			680	0	9.5e ⁴	0
	C			0	0	0	2
A11	A			340	0	0	2
	B			0	0	4.3	0
	C			0	0	4.3	0
A12	A			680	0	7.7	0
	B			340	0	7.7	0
	C			0	0	0	2
A13	A			680	0	4.3	0
	B			0	0	9.5e ⁴	0
	C		N/A	680	0	0	0
A14	A			0	0	0	0
	B			0	0	9.3e ⁴	2
	C			0	0	11	2
A15	A			0	0	9.3e ⁴	2
	B			0	0	9.3e ⁴	2
	C			0	0	0	0
B1	A			2250	0	7.7	2
	B			250	0	24	2
	C			1000	0	28	2
B2	A			2000	57	17	5.2
	B			750	0	7.7	2
	C			1000	57	7.7	0
B3	A			250	57	11	0
	B			1250	57	17	2
	C			1000	57	14	0

Surveyor (print name) ARCHER / SPAINES / TOWERY / LAM / MAFFESSANTISurveyor (signature) [Signature]Reviewed by [Signature]Date 12-11-08



proto-power/biseco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
B4	A FLOOR			1000	57	4.3	5.2
	B			750	57	17	5.2
	C			250	57	4.3	0
B5	A			250	0	0	0
	B			0	0	7.7	0
	C			0	0	17	0
B6	A			0	0	4.3	0
	B			0	0	9.5e ¹	0
	C			0	0	9.5e ¹	0
B7	A			0	0	9.3e ¹	2
	B			0	0	11	2
	C			0	0	14	0
B8	A			0	0	9.5e ¹	0
	B			0	0	0	0
	C			0	0	11	0
B9	A		N/A	0	57	4.3	0
	B			0	0	4.3	5.2
	C			0	0	4.3	2
B10	A			0	0	4.3	0
	B			0	0	9.5e ¹	0
	C			0	0	8.9e ¹	5.2
B11	A			0	0	0	5.2
	B			250	57	7.7	0
	C			1000	0	0	0
B12	A			1250	0	0	0
	B			1250	0	11	0
	C			250	0	0	0
B13	A			750	0	0	0
	B			0	57	0	0
	C			1250	57	0	0

Surveyor (print name) RAFFESSANTI/MARCHEE/STARVES/TOHLY/LAM

Surveyor (signature)

Reviewed by

Date 12-11-80



proto-powerbisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
B14 A	FLOOR			0	0	0	0
B				750	0	0	0
C				0	0	9.3e ⁻²	2
B15 A				250	57	0	2
B				500	0	0	0
C				500	0	14	2
C1 A				1360	57	7.7	2
B				1700	0	17	11
C				1360	57	4.3	0
C2 A				340	0	7.7	0
B				680	0	11	2
C				1360	57	7.7	0
C3 A				2720	0	9.3e ⁻²	2
B				680	0	21	0
C				2040	0	21	0
C4 A				1700	0	0	0
B				2040	0	1.7e ⁻²	2.121
C				1360	57	0	2
C5 A				0	0	0	2
B				0	0	9.5e ⁻²	0
C				0	0	0	0
C6 A				0	0	4.3	0
B				0	0	14	0
C				0	0	7.7	0
C7 A				0	0	0	2
B				1020	0	14	0
C				0	0	11	0
C8 A				0	0	9.5e ⁻³	0
B				0	0	0	0
C				0	0	9.5e ⁻³	0

Surveyor (print name) KIM MARFESSANTI / MARCHEL STARNES / TOLBYSurveyor (signature) [Signature]Reviewed by [Signature]Date 12-11-88



proto-powerbisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
C9	A FLOOR			0	0	0	0
	B			0	0	4.3	5.2
	C			0	0	14	0
C10	A			0	0	0	2
	B			0	0	9.3e	2
	C			0	0	4.3	0
C11	A			340	0	0	0
	B			680	0	0	0
	C			680	0	0	0
C12	A			340	0	9.5e	0
	B			0	0	0	0
	C			680	0	9.5e	0
C13	A			0	0	11	2
	B			1360	0	0	2
	C		N/A	0	0	4.3	2
C14	A			0	0	0	0
	B			680	0	0	2
	C			680	0	0	0
C15	A			0	0	0	2
	B			1020	0	8.9e	5.2
	C			0	0	0	0
D1	A			500	0	0	0
	B			250	0	14	5.2
	C			1250	57	7.7	2
D2	A			250	57	7.7	2
	B			500	0	9.5e	0
	C			1000	0	17	0
D3	A			1250	57	11	2
	B			2000	57	0	0
	C			1250	0	0	0

Surveyor (print name) TOLLEY / LAM / MAFFESSANTI / MARCHEL / STARNESSurveyor (signature) FK Tong Lee ELM 6/5/11 Reviewed by MM-Jones Date 12-11-11

Original - Survey File, Canary - Field Ops, Pink - Job Site

A0001747 8/88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/yr	γ mR/yr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
D4	A FLOOR			1250	0	4.3	2
	B			250	57	7.6	11
	C			1250	0	9.5e ⁻¹	0
D5	A			0	0	9.5e ⁻¹	0
	B			0	0	4.3	0
	C			0	0	9.3e ⁻¹	2
D6	A			0	0	14	0
	B			0	0	9.3e ⁻¹	2
	C			0	0	0	2
D7	A			0	0	0	0
	B			0	0	9.5e ⁻¹	0
	C			0	0	4.3	0
D8	A			0	0	9.3e ⁻¹	2
	B			250	0	4.3	2
	C			0	0	9.3e ⁻¹	2
D9	A			0	0	11	0
	B			0	0	9.3e ⁻¹	2
	C			250	0	11	2
D10	A			0	0	31	8.4
	B			250	57	24	0
	C			0	57	7.7	0
D11	A			0	0	11	8.4
	B			1000	0	7.6	11
	C			1000	0	9.5e ⁻¹	0
D12	A			1250	0	9.5e ⁻¹	0
	B			250	0	4.3	0
	C			750	0	0	2
D13	A			1250	0	0	0
	B			750	0	9.5e ⁻¹	0
	C			1250	0	9.5e ⁻¹	0

Surveyor (print name) STARNES / TOLLEY / LAM / RAFFESSANT / MARCHESE

Surveyor (signature)

Reviewed by

Date 12-1-88



proto-power/b-eco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
D14	A FLOOR			1250	0	0	2
	B			1250	0	0	0
	C			750	0	7.7	2
D15	A			1250	0	4.3	0
	B			1750	0	0	0
	C			1250	0	9.5e'0	0
E1	A			0	57	14	8.4
	B			250	0	4.3	5.2
	C			750	0	7.7	7.0
E2	A			500	0	4.2	8.4
	B			1000	0	7.7	2
	C			1000	0	4.3	2
E3	A			1250	57	11	8.4
	B			1250	0	14	0
	C		N/A	1250	57	7.7	2
E4	A			2000	57	24	0
	B			1500	57	7.7	0
	C			500	57	9.5e'2	2
E5	A			0	0	9.5e'0	0
	B			0	0	0	2
	C			0	0	0	0
E6	A			0	0	9.5e'0	0
	B			0	57	0	0
	C			0	0	0	2
E7	A			0	0	4.3	0
	B			0	0	7.7	0
	C			250	0	4.3	2
E8	A			500	0	11	0
	B			0	0	9.5e'0	0
	C			0	0	0	0

Surveyor (print name) MARCHESI / STARNES / TOLLEY / LAM / MAFFESSANTI

Surveyor (signature) [Signature]

Reviewed by [Signature]

Date 12-11-88



proto-powerbliss nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
E9	A FLOOR			250	0	9.5e ¹ 0	0
	B			0	0	0	0
	C			250	0	4.3	2
E10	A			0	0	9.3e ¹ 2	2
	B			500	0	17	0
	C			0	0	7.7	0
E11	A			0	0	21	0
	B			680	45	0	0
	C			680	45	9.5e ¹ 0	0
E12	A			1250	0	0	0
	B			250	0	4.3	0
	C			1250	0	7.7	0
E13	A			1250	0	7.7	5.2
	B			1250	0	9.3e ¹ 2	2
	C		N/P	1250	0	4.3	2
E14	A			2250	0	9.5e ¹ 0	0
	B			250	0	0	2
	C			1000	0	7.7	0
E15	A			750	0	0	0
	B			1250	0	4.3	0
	C			2500	0	0	0
F1	A			1250	0	11	5.2
	B			750	0	17	2
	C			1250	0	11	2
F2	A			500	0	17	2
	B			1250	0	11	0
	C			1250	0	11	0
F3	A			0	0	4.3	0
	B			500	75	7.7	0
	C			500	0	11	8.4

Surveyor (print name) MAFFESSANTI / MARCHESI / JARNES / TOWDY / LAMSurveyor (signature) [Signature]Reviewed by [Signature]Date 12-11-88



proto-power/blade nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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 NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
F4 A	FLOOR			250	0	14	0
B				250	0	17	0
C				250	0	9.5e ⁴	0
F5 A				0	0	0	2
B				250	0	9.5e ⁴	0
C				0	0	0	0
F6 A				0	0	7.7	2
B				0	0	11	0
C				0	0	8.6e ⁴	84
F7 A				0	0	4.3	0
B				250	0	11	2
C				0	0	4.3	2
F8 A				0	0	4.3	20
B				0	0	4.3	2
C			N/A	0	0	9.3e ⁴	2
F9 A				0	0	4.3	0
B				0	0	4.3	2
C				0	0	9.5e ⁴	0
F10 A				0	0	14	0
B				0	0	31	5.2
C				250	0	17	8.4
F11 A				250	0	21	2
B				500	0	4.3	0
C				1500	0	9.5e ⁴	0
F12 A				1250	0	9.5e ⁴	0
B				1500	0	9.5e ⁴	0
C				1250	0	9.5e ⁴	0
F13 A				1000	0	0	0
B				1250	0	0	0
C				250	0	4.3	2

 Surveyor (print name) AM / MAFFESSIMI / MARCHESE / STARNES / TOLLY

 Surveyor (signature) [Signature] Reviewed by [Signature]

 Date 12/11/88



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
F14	A FLOOR			750	0	9.5e ⁴	0
	B			1250	0	0	0
	C			250	0	7.7	0
F15	A			250	0	9.3e ⁴	2
	B			0	0	9.5e ⁴	0
	C			0	0	4.3	0
F1	A			1250	0	8.6e ⁴	8.4
	B			1250	0	11	5.2
	C			1250	57	7.7	0
F2	A			1250	57	11	0
	B			1750	57	7.7	2
	C			1500	0	17	2
F3	A			0	0	4.3	0
	B			500	57	0	2
	C			1000	57	0	5.2
F4	A			250	0	4.3	0
	B			1250	57	14	0
	C			0	57	4.3	0
F5	A			0	0	0	0
	B			0	0	4.3	0
	C			0	0	4.3	0
F6	A			0	0	4.3	0
	B			250	114	4.3	2
	C			250	57	8.6e ⁴	8.4
F7	A			0	57	0	2
	B			500	0	9.5e ⁴	0
	C			1000	0	14	0
F8	A			0	0	9.3e ⁴	2
	B			0	0	4.3	0
	C			0	57	28	0
				0	0	7.7	2

Surveyor (print name) TOLLY/LAM/MAFFESSANTI/MARCHESI/STARNESSurveyor (signature) [Signature]Reviewed by [Signature]Date 12-11-88

Original - Survey File - Canary - Field Ops - Pink - Job Site



proto-power/blanco nuclear, inc.

Radiological Control Survey Record
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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
F9	A FLOOR			0	0	0	2
	B			0	0	9.5e ⁴	0
	C			0	0	4.3	0
F10	A			250	0	9.5e ⁴	0
	B			250	57	31	11
	C			250	57	0	0
F11	A			1250	228	17	5.2
	B			1500	228	0	2
	C			1500	57	4.3	0
F12	A			500	0	0	0
	B			1250	0	4.3	0
	C			750	0	11	0
F13	A			250	0	0	0
	B			500	0	9.5e ⁴	2
	C			1250	0	0	0
F14	A			1250	57	9.5e ⁴	0
	B			1250	0	14	0
	C			250	0	9.5e ⁴	0
F15	A			500	0	0	0
	B			500	0	0	0
	C			250	0	7.7	0
H1	A			2380	0	21	2
	B			1700	0	21	2
	C			340	0	11	8.4
H2	A			680	0	11	5.2
	B			1700	0	21	5.2
	C			2040	0	11	5.2
H3	A			1700	0	11	0
	B			1360	0	8.3e ⁴	11
	C			680	0	9.3e ⁴	2

Surveyor (print name) STANIS/TOWLEY/LAM/MAFFESSANT/MARCHESESurveyor (signature) [Signature]Reviewed by [Signature]Date 12-1-80



proto-powerblaze nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
H4	A FLOOR			340	0	0	0
	B			2720	0	14	2
	C			1260	0	7.7	2
H5	A			0	0	21	0
	B			0	0	11	0
	C			0	0	9.5e ⁺	0
H6	A			0	0	11	0
	B			0	0	0	2
	C			0	0	11	2
H7	A			0	0	0	0
	B			0	0	4.3	5.2
	C			0	0	4.3	5.2
H8	A			340	0	7.7	0
	B			0	0	9.5e ⁺	0
	C			0	0	4.3	0
H9	A			0	0	7.7	0
	B			0	0	24	0
	C			0	0	4.3	2
H10	A			0	0	9.3e ⁺	2
	B			0	0	11	5.2
	C			0	0	17	5.2
H11	A			680	0	17	2
	B			340	0	14	0
	C			0	300	9.3e ⁺	2
H12	A			0	0	9.5e ⁺	10
	B			1360	0	4.3	2
	C			2380	0	4.3	0
H13	A			1360	0	9.5e ⁺	0
	B			1360	75	11	0
	C			0	75	11	0

Surveyor (print name) MARCHESE / STARNES / TOLLEY / LAM / MAFFESSANTSurveyor (signature) [Signature] Reviewed by [Signature] Date 12-11-88

Original - Survey File: Canary - Field Ops. - Pink - Job Site

A0001747 B/88



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
H14	A FLOOR			680	150	4.3	2
	B			680	0	8.9e	5.2
	C			1020	75	9.5e	0
H15	A			1020	75	0	2
	B			680	75	7.7	0
	C			2380	0	9.5e	0
I1	A			750	75	21	2
	B			1250	75	21	5.2
	C			500	150	17	5.2
I2	A			1750	150	11	0
	B			2120	75	7.7	5.2
	C			500	75	11	5.2
I3	A			500	0	7.7	0
	B			1250	0	24	5.2
	C			500	75	14	0
I4	A			1250	75	11	0
	B			1500	75	11	8.4
	C			500	0	4.3	0
I5	A			250	0	9.5e	0
	B			250	0	4.3	0
	C			0	0	4.3	0
I6	A			0	0	0	5.2
	B			250	75	9.5e	0
	C			250	0	4.3	0
I7	A			250	0	14	2
	B			0	0	0	2
	C			250	0	9.5e	0
I8	A			0	75	0	0
	B			250	0	11	2
	C			500	0	11	2

Surveyor (print name) MAFFESSIMI / MARCHESI / STARNES / TONEY / LAMSurveyor (signature) [Signature]Reviewed by [Signature]Date 12-11-88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
I9	A FLOOR			250	0	9.5e ¹ 0	0
	B			500	0	9.5e ¹ 0	0
	C			250	0	4.3	0
I10	A			250	75	11	8.4
	B			2500	0	11	2
	C			1250	225	14	0
I11	A			1250	225	9.3e ¹ 2	2
	B			2000	75	7.7	0
	C			2000	75	0	2
I12	A			750	0	4.3	5.2
	B			1750	0	4.3	0
	C			2500	0	9.5e ¹ 0	0
I13	A			1250	0	0	3.1
	B			500	0	0	0
	C			1250	75	7.4	0
J1	A			680	75	20	3.1
	B			680	150	17	6.2
	C			680	75	4	0
J2	A			1700	150	10	0
	B			1360	0	20	0
	C			0	75	17	0
J3	A			0	0	7.3	3.1
	B			0	0	7.3e ¹ 0	3.1e ¹ 0
	C			0	0	10	3.1
J4	A			680	114	5.8e ¹ 0	0
	B			0	0	4	0
	C			680	0	7.4	0
J5	A			0	57	10	3.1
	B			0	0	4	0
	C			0	57	4	0

Surveyor (print name) RAM / MAFFESSANTI / MARCHESE / STARNIS / TOLLEYSurveyor (signature) [Signature]Reviewed by [Signature]Date 12-11-88



proto-power/biseco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
J6	A FLOOR			0	0	0	0
	B			0	57	5.8e ⁻¹	0
	C			0	0	4	0
J7	A			2720	57	17	3.1
	B			0	0	3.9	3.1
	C			0	57	5.8e ⁻¹	0
J8	A			0	0	5.8e ⁻¹	0
	B			0	0	10	3.1
	C			0	0	7.3	3.1
J9	A			0	0	61	9.4
	B			0	0	3.9	3.1
	C			0	0	14	6.2
J10	A			0	0	17	6.2
	B		N/A	0	114	3.8	12
	C			680	0	7.3	3.1
J11	A			0	0	7.3	6.2
	B			0	0	10	0
	C			0	0	3.9	3.1
J12	A			0	0	7.3	3.1
	B			0	0	3.74	0
	C			0	0	4	0
K1	A			500	0	27	9.4
	B			1250	57	17	3.1
	C			1000	114	24	3.1
K2	A			380	0	10	6.2
	B			0	0	34	0
	C			0	0	24	0
K3	A			1250	0	17	6.2
	B			1250	57	5.1	6.2
	C			250	57	31	0

Surveyor (print name) TOLLEY/LAM/MAFFESSANTI/MARCHEE/STARNES

Surveyor (signature) [Signature]

Reviewed by [Signature]

Date 12-11-88



powerblaze nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
K4 A	FLOOR			0	0	14	3.1
B				0	0	10	0
C				0	0	20	0
K5 A				1250	0	0	0
B				0	0	7.3	3.1
C				0	0	14	0
K6 A				250	0	7.4	0
B				0	0	27	6.2
C				0	0	24	6.2
K7 A				250	0	10	0
B				0	57	4	0
C				0	0	0	0
K8 A				0	0	4	0
B				0	0	5.4	3.1
C				0	0	7.3	6.2
K9 A				0	57	4	0
B				1000	0	4	3.1
C				0	0	4	6.2
K10 A				250	57	44	6.2
B				0	57	20	0
C				0	0	24	3.1
K11 A				1250	57	31	3.1
B				0	57	14	9.4
C				500	0	14	0
L1 A				680	57	14	3.1
B				0	57	10	0
C				680	0	10	3.1
L2 A				0	0	4	3.1
B				680	57	20	0
C				0	0	51	3.1

Surveyor (print name) STANIS HONPY / LAM / MAFFESSANT / MARCHEESurveyor (signature) [Signature]Reviewed by [Signature]Date 12-11-88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
23	A FLOOR			1020	57	24	3.1
	B			1020	0	10	0
	C			680	114	5.8e ⁻¹	0
24	A			0	57	4	6.2
	B			1360	57	10	3.1
	C			680	0	27	9.4
25	A			680	114	20	3.1
	B			0	57	17	6.2
	C			1360	57	34	6.2
26	A			680	57	44	0
	B			0	0	14	0
	C			0	0	4	0
27	A			0	0	14	3.1
	B			0	0	7.3	6.2
	C			0	0	5.8e ⁻¹	0
28	A			0	0	7.3	6.2
	B			0	0	4	3.1
	C			0	0	4	0
29	A			0	57	5.8e ⁻¹	0
	B			0	0	5.8e ⁻¹	0
	C			0	0	4	3.1
m1	A			0	57	34	0
	B			1000	114	41	3.1
	C			0	0	17	12
m2	A			500	57	4	6.2
	B			1250	114	5.8e ⁻¹	0
	C			1000	0	14	3.1
m3	A			1250	57	10	0
	B			750	57	14	0
	C			1250	57	7.3	3.1

Surveyor (print name) MARCHESE / STARNES / TOLLEY / LAM / MAFFESSANTISurveyor (signature) [Signature]Reviewed by [Signature]Date 12-11-88



proto-powerbize nuclear, inc.

Radiological Control Survey Record
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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
M4	A FLOOR			1250	57	14	6.2
	B			750	0	17	3.1
	C			1250	57	7.4	0
m5	A			1250	114	20	9.4
	B			1250	171	20	3.1
	C			1500	57	34	3.1
m6	A			1250	171	27	0
	B			250	0	7.3	3.1
	C			250	114	10	0
m7	A			500	0	4	0
	B			0	285	4.8	9.4
	C			0	0	5.8	0
m8	A			0	0	7.4	0
	B			0	114	14	0
	C			0	0	41	6.2
N1	A			1250	57	10	0
	B			750	0	14	3.1
	C			1250	57	24	3.1
N2	A			1250	57	7.4	0
	B			250	114	14	0
	C			500	0	10	3.1
N3	A			500	0	10	9.4
	B			1500	57	24	9.4
	C			1500	0	14	3.1
N4	A			2250	114	17	3.1
	B			1250	57	10	3.1
	C			1250	0	10	3.1
N5	A			250	57	7.4	0
	B			500	114	24	3.1
	C			750	114	44	6.2

Surveyor (print name) MAFFESSANT / MARCHESE / STARNES / TOLLEY / CAMSurveyor (signature) [Signature]Reviewed by [Signature]Date 12-11-88



proto-power/bisac nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
N6 A	FLOOR			750	114	20	6.2
B				1250	57	5.8	0
C				1000	0	7.4	0
01 A				1750	0	17	3.1
B				1500	0	20	0
C				1250	0	20	3.1
02 A				250	57	20	3.1
B				750	114	10	6.2
C				1250	57	41	0
03 A				0	57	3.9	3.1
B				250	0	34	0
C				2000	0	34	9.4
04 A				1250	57	14	0
B				250	114	17	8.31
C				500	57	10	0
05 A				0	0	7.3	3.1
B				250	0	3.9	3.1
C				1250	0	14	0
P1 A				0	57	3.9	6.2
B				0	57	24	6.2
C				680	0	14	6.2
P2 A				680	0	10	3.1
B				1020	114	14	0
C				1360	57	7.3	9.4
P3 A				0	57	14	3.1
B				1360	0	10	3.1
C				680	57	34	0
P4 A				1360	57	5.1	6.2
B				680	0	5.8	0
C				0	57	7.4	0

Surveyor (print name) LAM / MAFFESSANTI / MARCHESE / STARNES / TUNNEYSurveyor (signature) [Signature]Reviewed by [Signature]Date 12-11-88

Radiological Control Survey Record
Continuation Sheet

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NO.

Surveyor (print name) TOLLY LAM / MAFFESSANTI / MARCHESE / SEARVDS

Surveyor (signature) _____

The Youngman & Co.

Reviewed by

Date _____

12-11-88



prnto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
PP1 A	POLES			420	0	0	0
B				420	0	5.7	0
C				210	0	2.3	0
D				210	0	0	0
E				420	0	0	0
F				420	0	0	0
PP2 A				420	0	9	5.3
B				0	0	2.3	0
C				210	0	0	0
D				0	0	2.3	0
E				210	0	2.3	0
F				210	0	2.3	2
PP3 A				210	0	2.2	0
B				420	0	0	2
C				210	0	0	0
D				0	0	5.7	0
E				0	0	2.2	5.2
F				0	0	5.7	0
PP4 A				210	0	1.2	2
B				420	110	5.8	2
C				630	0	9.1	0
D				210	0	2.3	0
E				210	0	0	0
F				420	0	0	0
PP5 A				210	0	2.3	0
B				840	0	2.3	0
C				420	0	1.9	2
D				210	0	2.3	0
E				210	0	1.2	0
F				0	0	9.1	2

Surveyor (print name) MARCHESISurveyor (signature) [Signature]Reviewed by [Signature]Date 12-12-88



proto-powerbise nuclear, inc.

Radiological Control Survey Record Continuation Sheet

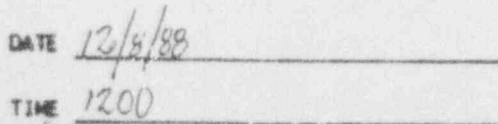
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NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
PP6 A	POLES			630	0	9.1	2
B				630	0	12	0
C				420	0	2.3	0
D				210	0	0	0
E				0	0	2.3	0
F				0	0	12	0
PP7 A				210	0	2.3	0
B				210	0	5.7	0
C			N/A	420	0	12	5.2
D				210	0	5.7	2
E				0	0	9.1	0
F				0	0	0	2
PP8 A				420	0	2.3	0
B				210	0	9.1	2
C				0	0	25	8.4
D				0	0	22	0
E				0	0	9.1	0
F				210	0	5.7	2

Surveyor (print name) MARCHESSurveyor (signature) [Signature]Reviewed by [Signature] Date 12-12-88

Original - Survey File, Canary - Field Ops, Pink - Job Site

AD001747 8/88



SURVEYOR (PRINT NAME) F. TOWSE / J. STARNES / J. Maffia
SURVEYOR (SIGNATURE) [Signature]

CC5	CC4	CC3	CC2	CC1
CC6	CC7	CC8	CC9	CC10
CC15	CC14	CC13	CC12	CC11
	CC16	CC17	CC18	CC19
			CC21	CC20
				CC22

DATE

12/8/88

SURVEYOR (PRINT NAME)

F. TOWNE / D. STARRS / G.

MARCHESE / J. J.

F. TOWNE

MARCHESE



proto-power/biaco nuclear, inc.

Radiological Control Survey Record
Continuation Sheet

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[illegible]

Surveyor (print name) G. Marchese

Surveyor (signature) Original survey with signatures

Reviewed by LA B. [Signature] Date 1-30-88

Original - Survey File; Canary - Field Ops; Pink - Job Site *ON File with Discreet*

A0001747 8/88

5	4	3	2	1
6	7	8	9	10
15	14	13	12	11
	16	17	18	19
			21	20
				22

DATE

12/8/88

SURVEYOR (PRINT NAME)

G. MARCHESE

TIME

0830



proto-power/blanco nuclear, inc.
440 williams street
new london, ct 06320
(203) 444-2100

Radiological Control Survey Record

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DATE

5 Nov. 1988

TIME

1630

☐ ROUTINE

☒ SPECIAL

LOCATION: PRINT CLEANING ROOM

REASON FOR SPECIAL SURVEY: RELEASE OF ROOM FOR

GENERAL ACCESS

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	γ dpm/100cm ²	β dpm/100cm ²	γ dpm/100cm ²
1	ABA FLOOR	N/A	N/A	0	0	15	2.8
2	ABB			0	0	18	2.8
3	ABC			0	0	52	2.8
4	A9A			0	0	42	0
5	B			0	0	11	0
6	C			0	0	18	2.8
7	B7A			0	0	28	2.8
8	B			0	0	11	0
9	C			0	0	5.1	0
10	B8A			0	0	11	12
11	B			500	0	39	0
12	C			500	0	38	12
13	B9A			0	0	11	0
14	B			0	0	32	5.9
15	C			0	0	32	0
16	C1A			500	0	8.5	0
17	B			750	110	0	0
18	C			750	0	11	5.9

RADIATION SURVEY

B. 1 CONTAMINATION SURVEY

A. CONTAMINATION SURVEY

INST L-MOD 3 / L-MOD 3	INST L-MOD 2	INST C-2400	INST/PROBE C-2400
S/S 50150/49795	S/S 52093	S/N ~1/2	S/N's ~1/2
CAL DUE DATE 8/12/89	CAL DUE DATE 8/2/89	CAL DUE DATE 9-7-89	CAL DUE DATES 9-7-89
EFF 38/25	EFF 11.0	EFF .295	EFF .316
BKG 38/25	BKG 11.0	BKG 1.49 cpm	BKG .13 cpm

REMARKS:

EXGD -> 50 cpm

AIR SAMPLE DATA

40" y/c/sec
3.73 y/c/sec

Surveyor (print name) D. STARNES / G. MARCHESE

Surveyor (signature) [Signature] / [Signature]

Reviewed by [Signature] Date 2-6-89



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
C2A	FLOOR CONT'D			500	0	8.4	5.9
B				500	0	5.1	0
C				500	0	11	2.8
G3A				500	110	5.1	0
B				500 750	0	0	0
C				500	0	32	2.8
C4A				500	110	32	9.1
B				500 750	0	52	9.1
C				500	0	42	2.8
G5A				1750	0	22	2.8
B				0	0	22	0
C				0	0	11	5.9
G6A				250	0	11	0
B				0	0	11	0
C				0	0	5.1	0
C7A				750	0	52	0
B				750	0	86	0
C				500	0	22	5.9
C8A				0	0	8.5	2.8
B				0	0	11	0
C				0	0	11	0
C9A				0	0	22	2.8
B				250	0	18	0
C				0	0	5.1	2.8
D1A				500	110	1.7	0
B				750	110	5.1	0
C				750	110	18	9.1
D2A				500	0	1.7	2.8
B				500	0	22	0
C				250	0	25	9.1
D3A				750	110	11	0

Surveyor (print name) D STARNES / G. MARCHESESurveyor (signature) [Signature]Reviewed by [Signature] Date 12-11-88



proto-power/bios nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
P3B	FLOOR CONT'D			750	110	35	12
C				500	0	59	5.9
D4A				750	110	5.1	0
B				500	110	35	9.1
C				750	110	22	0
D5A				250	0	8.4	5.9
B				250	110	5.1	2.8
C				250	0	18	2.8
D6A				250	0	11	0
B				500	0	8.5	2.8
C				250	0	18	0
D7A				0	0	42	0
B				0	0	28	5.9
C				0	0	15	0
D8A				500	110	0	0
B				500	0	0	0
C				750	0	1.6	9.1
E1A				500	110	8.5	0
B				500	110	35	5.9
C				250	110	11	9.1
E2A				500	110	11	0
B				500	330	25	2.8
C				500	110	22	0
E3A				500	0	25	0
B				750	0	5.1	2.8
C				500	0	1.7	0
E4A				500	0	18	0
B				500	0	11	5.9
C				750	0	5.1	2.8
E5A				500	0	15	0
B				500	0	5.1	0

Surveyor (print name) D. STARNES / G. MARCHESISurveyor (signature) [Signature]Reviewed by [Signature] Date 12-11-88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
E5C	FLOOR CONT. 'D			250	0	18	2.8
E6A				760	0	15	0
B				1140	10	11	0
C				0	0	15	2.8
E7A				760	0	1.7	0
B				760	0	5.1	5.9
C				380	0	22	2.8
F1A				500	110	8.5	2.8
B				500	110	8.5	2.8
C				250	110	38	5.9
F2A				750	110	42	5.9
B				500	330	28	2.8
C				250	110	18	15
F3A				500	0	1.7	2.8
B				250	0	8.5	0
C				250	110	38	2.8
F4A				500	220	11	0
B				750	110	1.7	2.8
C				500	0	1.7	2.8
F5A				500	110	1.7	2.8
B				500	110	11	2.8
C				250	0	11	0
F6A				760	0	1.7	0
B				1140	0	5.1	0
C				760	0	0	0
G1A				500	0	11	0
B				750	110	11	2.8
C				500	0	18	0
G2A				500	220	22	2.8
B				250	220	11	0
C				750	110	22	2.8

Surveyor (print name) D STARNES / G. MARCHESE

Surveyor (signature) [Signature]

Reviewed by [Signature] Date 11-88



proto-powerbisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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 NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/yr	γ mr/yr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
G3A	FLOOR CONT. 'D			500	220	15	9.1
B				750	0	15	5.9
C				500	0	22	2.8
G4A				750	110	18	0
B				750	0	15	5.9
C				500	0	8.5	0
H1A				500	0	1.7	0
B				750	110	18	5.9
C				750	0	22	0
H2A				1000	110	8.5	0
B				500	0	22	5.9
C				250	0	5.1	2.8
H3A				500	110	1.7	2.8
B				250	0	8.4	5.9
C				500	0	5.1	0
I1A				500	0	0	0
B				500	0	5.1	0
C				750	110	0	5.9
I2A				250	0	1.7	0
B				750	0	8.5	0
C				500	0	8.5	2.8
N11A	LOWER WALLS			0	0	9.9	2.8
B				0	0	0	0
C				0	0	16	2.8
N12A				0	0	3.2	0
B				0	0	0	0
C				0	0	0	0
N21A				0	0	3.2	0
B				0	0	9.9	2.8
C				0	0	6.6	0
N22A				0	0	0	0

Surveyor (print name) DEANES G. MARCHESISurveyor (signature) [Signature]Reviewed by [Signature] Date 12-11-88



prote-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β, γ dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
N2.2B	LOWER walls [CONT'D]			0	0	0	0
C				0	0	6.5	2.8
N3.1A				0	0	0	0
B				0	0	0	0
C				0	0	3.2	0
N3.2A				0	0	3.2	0
B				0	0	0	0
C				0	0	3.2	0
N4.1A				0	0	10	0
B				0	0	0	2.8
C				0	0	13	0
N4.2A				0	0	10	0
B				0	0	6.6	0
C				0	0	0	0
N5.1A				0	0	10	0
B				0	0	10	0
C				0	0	0	0
N5.2A				0	0	0	0
B				0	0	0	0
C				0	0	10	0
N6.1A				0	0	6.6	0
B				0	0	6.5	6.0
C				0	0	0	0
N7.2A				0	0	10	0
B				0	0	10	0
C				0	0	3.2	0
N8.1A				0	0	6.6	0
B				0	0	6.6	0
C				0	0	6.6	0
N8.2A				0	0	0	0
B				0	0	6.5	2.8

Surveyor (print name) D STARNES / G. Marchese

Surveyor (signature) [Signature]

Reviewed by [Signature] Date 12-11-88



proto-power/bioco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
N8.2C	LOWER WALLS [CONT'D]			0	0	0	0
N9.1A				0	0	3.2	0
B				0	0	0	0
C				0	0	0	2.8
N9.2A				0	0	0	2.8
B				0	0	3.2	2.8
C				0	0	3.2	0
EC1A				0	0	0	0
B				0	0	10	0
C				250 100	110	0	0
EC2A				0	0	6.5	2.8
B				0	0	0	0
C				0	0	0	2.8
ED1A				0	0	6.5	2.8
B				0	0	0	2.8
C				0	0	13	0
ED2A				0	0	6.6	0
B				0	0	3.2	0
C				0	0	0	2.8
EE1A				0	0	10	0
B				0	0	3.2	0
C				0	0	3.2	0
EE2A				0	0	13	0
B				0	0	3.2	0
C				0	0	0	2.8
EF1A				0	0	6.6	0
B				0	0	0	0
C				0	0	3.2	2.8
EF2A				0	0	0	0
B				0	0	0	0
C				0	0	0	0

Surveyor (print name) D. STARNES / G. MARCHESESurveyor (signature) [Signature]Reviewed by [Signature] Date 12-11-88



proto-powerblec nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
EG1A	LOWER WALLS CONT. D			0	0	0	0
B				0	0	3.1	6.0
C				0	0	10	0
EG2A				0	0	3.2	2.8
B				0	0	3.2	0
C				0	0	3.2	0
EH1A				0	0	0	2.8
B				0	0	0	0
C				0	0	3.2	0
EH2A				0	0	3.2	0
B				0	0	3.2	0
C				0	0	0	2.8
EI1A				0	0	0	0
B				0	110	0	0
C				0	0	0	0
EI2A				0	0	0	0
B				0	110	6.6	0
C				0	0	3.2	0
WA1A				0	0	0	0
B				0	0	6.6	0
C				250	0	0	0
WA2A				0	0	0	0
B				0	0	0	0
C				0	0	6.6	0
WB1A				0	0	0	0
B				0	0	6.6	0
C				0	0	0	0
WB2A				250	0	10	0
B				250	0	0	0
C				250	0	9.9	2.8
WG1A				0	0	10	0

Surveyor (print name) D. STARNES / G. MARCHESESurveyor (signature) [Signature]Reviewed by [Signature] Date 12-11-88



proto-powerbisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β/γ dpm/100cm ²	α dpm/100cm ²	$\beta+\gamma$ dpm/100cm ²	α dpm/100cm ²
WC1B	LOWER WALLS [CONT. 12]			0	0	3.2	0
C				0	110	0	0
WC2A	-			0	0	3.1	6.0
B				250	0	13	0
C				0	0	0	6.0
SI1A				760	0	0	2.8
B				760	0	0	0
C				1140	110	6.6	0
D				760	0	3.2	0
E				380	0	0	0
F				760	0	10	0
SI2A				380	0	0	0
B				380	0	0	0
C				760	0	0	0
D				1140	110	3.2	0
E				380	0	0	0
F				760	0	0	0
SI2A				1520	110	0	0
B				1140	0	3.2	0
C				1140	0	6.6	0
D				1140	0	6.6	0
E				760	0	13	0
F				1520	0	0	0
SI2A				1520	110	3.2	0
B				760	0	0	0
C				1140	0	37	6.0
D				1140	0	10	0
E				1520	0	3.2	0
F				1140	0	6.5	2.8
SI3A				760	0	0	2.8
B				0	0	0	2.8

Surveyor (print name) D. STARNES / G. MANCHEESurveyor (signature) [Signature]Reviewed by [Signature] Date 11-11-88



proto-power/bischo nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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 NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
S3.1C	LOWEIS W/21/5 [CONT. D]			380	0	0	2.8
D				1140	110	0	2.8
E				1140	0	3.2	0
F				1520	0	6.6	0
S3.2A				760	0	0	2.8
B				760	0	3.2	0
C				1140	0	13	0
D				760	0	0	0
E				380	0	3.2	0
F				1140	0	13	0
S4.1A				1140	0	0	0
B				1520	110	3.2	0
C				1520	0	3.2	0
D				1900	0	3.2	2.8
E				1520	0	6.6	0
F				1140	0	20	0
S4.2A				760	0	0	0
B				1140	0	3.2	0
C				1140	0	10	0
D				760	0	0	0
E				380	0	0	0
F				760	0	0	0
S5.1A				1140	0	0	0
B				1140	0	3.2	0
C				1520	0	3.2	2.8
D				760	0	3.2	0
E				1140	0	3.2	0
F				760	0	0	2.8
S5.2A				760	0	10	0
B				1140	0	3.2	2.8
C				1520	110	0	0

 Surveyor (print name) G. MARCHESE / D. STAINES

 Surveyor (signature) [Signature]

 Reviewed by [Signature] Date 12-11-88

Original - Survey File - Canary - Field Ops - Pink - Job Site

A0001747 8/88



proto-powerbioeco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
SS.2D	LOWER WALLS [CONT. IS]			2280	110	6.6	0
E				1140	0	3.2	0
F				760	0	3.2	0
SG.1A				760	0	0	0
B				760	0	3.2	0
C				1140	0	0	0
D				760	0	0	0
E				380	0	3.2	2.8
F				760	0	0	0
SG.2A				1900	110	0	0
B				1140	0	16	2.8
C				1140	0	13	2.8
D				1520	110	0	0
E				1140	0	0	0
F				760	0	0	0
ST.1A				760	0	3.2	0
B				1140	0	3.2	0
C				1140	0	0	0
D				760	0	3.2	0
E				1520	110	0	0
F				1900	110	0	0
ST.2A				1140	0	9.9	2.8
B				1520 ¹⁴⁰⁰	110	13	2.8
C				760	0	6.6	0
D				1140	0	3.6	9.2
E				1140	0	23	2.8
F				760	0	16	6.0
SB.1A				1140	0	0	0
B				1520	0	0	0
C				1140	0	0	0
D				1140	110	10	0

Surveyor (print name) G. MARCHESI / D. STARNESSurveyor (signature) [Signature] [Signature]Reviewed by [Signature] Date 12-11-88

Original - Survey File, Canary - Field Ops., Pink - Job Site

A0001747 8/88



proto-powerblade nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

[illegible]

Surveyor (print name) D. STARNES / G. MARCHESE

Surveyor (signature) [Signature]

Reviewed by PA M - J Date 12-11-88



proto-power/blec nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
S8.2A	LOWER WALLS [CONT'D]			380	0	0	0
B				0	0	0	0
C				0	0	3.1	6.0
D				0	0	0	0
E				0	0	10	0
F				0	0	0	0
S9.1A				0	0	6.6	0
B				0	0	0	0
C				380	0	0	0
D				380	0	0	0
E				380	0	13	2.8
F				1140	0	16	2.8
S9.2A				380	0	13	0
B				0	110	3.2	0
C				760	0	3.2	0
D				380	0	0	0
E				0	0	13	0
F				0	0	3.1	9.2
NW1A	Upper Walls			0	0	0	2.8
B				0	0	13	0
C				0	0	3.2	2.8
D				0	0	6.6	0
E				0	0	0	2.8
F				0	0	6.7	9.2
EW1A				380	0	3.2	0
B				380	0	6.6	0
C				760	110	6.6	0
EW2A				0	0	9.9	2.8
B				760	110	0	0
C				1140	0	0	0
SW1A				760	0	3.2	0

Surveyor (print name) G. MARCHESI / D. STARNES

Surveyor (signature) [Signature]

Reviewed by [Signature] Date 12-1-88

Original - Survey File, Canary - Field Ops, Pink - Job Site

A0001747 8/88



proto-powerbisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
SW13	Upper Walls [CONT-D]			1000	110	6.6	0
C				750	0	2.0	2.8
D				500	0	0	0
E				750	110	0	0
F				750	0	0	0
W1A				500	0	16	6.0
B				750	110	0	12
C				500	0	6.6	0
CC1A	Ceiling			0	0	0	0
B				0	0	3.2	0
C				250	110	3.2	0
CC2A				250	0	3.2	0
B				0	110	3.1	6.0
C				0	110	6.6	0
CC3A				250	0	3.2	0
B				0	0	3.2	0
C				0	0	0	2.8
CC4A				0	0	0	0
B				0	250	6.6	0
C				500	0	10	0
CC5A				500	0	3.2	0
B				250	0	0	0
C				0	110	0	0
XX3A	PIPES			250	0	80	25
B				0	0	40	2.8
C				0	110	13	6.0
D				0	0	20	2.8
XX4A				250	110	6.6	0
B				500	0	6.6	0
C				750	0	13	2.8
D				0	110	192	31

Surveyor (print name) G. M. Hesse / D. StarnesSurveyor (signature) [Signature] / [Signature]Reviewed by [Signature] Date 12-11-88

Radiological Control Survey Record Continuation Sheet

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NO. _____

Surveyor (print name) G. MARLMESE / D STARNES

Surveyor (signature) 

Reviewed by R.M. Jones Date 12-11-88



proto-power/biase nuclear, inc.
440 williams street
new london, ct 06320
(203) 444-2100

Radiological Control Survey Record

LOCATION: PAINT CLEANING ROOM

REASON FOR SPECIAL SURVEY: RELEASE OF PIPES

Reconnis

NO.

16 Rev 0
Page 1 of 1
Nov 20

DATE

Nov. 29, 1988

TIME

1345

☐ ROUTINE

☒ SPECIAL

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	γ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
1	XX3A PIPES			250	0	18	9.4
2	XX4D			0	110	5.2	0
3	XX5D			250	110	5.2	3.1
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							

RADIATION SURVEY

B. γ CONTAMINATION SURVEY

A. CONTAMINATION SURVEY

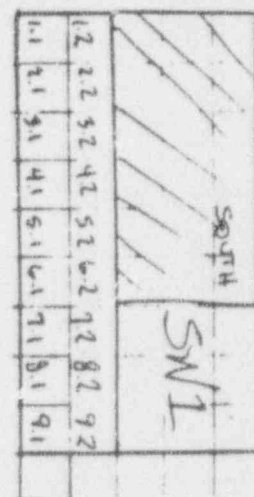
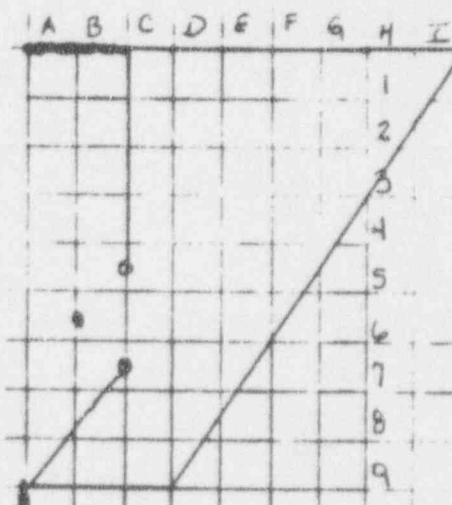
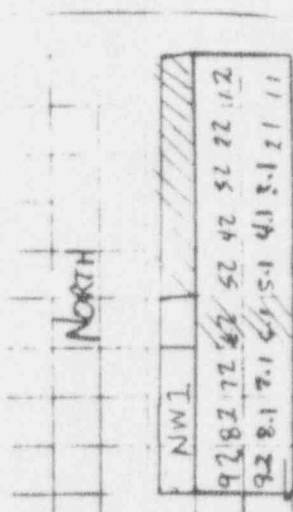
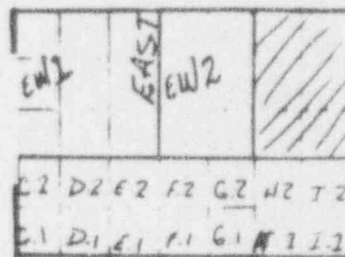
INST. L-MOD. 3	INST. L-MOD. 2	INST. C-2400	INST/PROBE C-2400
SS. 49795	SS. 52093	S/N 1/2	S/N's 1/2
CAL DUE DATE 8/12/89	DAL DUE DATE 8/2/89	CAL DUE DATE 9/7/89	CAL DUE DATES 9/7/89
EFF. 25	EFF. 11.0	EFF. 295	EFF. 316
BKG 25	BKG 11.0	BKG 1.46	BKG 0.33
REMARKS:		AIR SAMPLE DATE:	
BKGD - 50 cpm		1/1	

Surveyor (print name) D. STARNES

Surveyor (signature) [Signature]

Reviewed by [Signature] Date 12-11-88

PAINT CLEANING ROOM



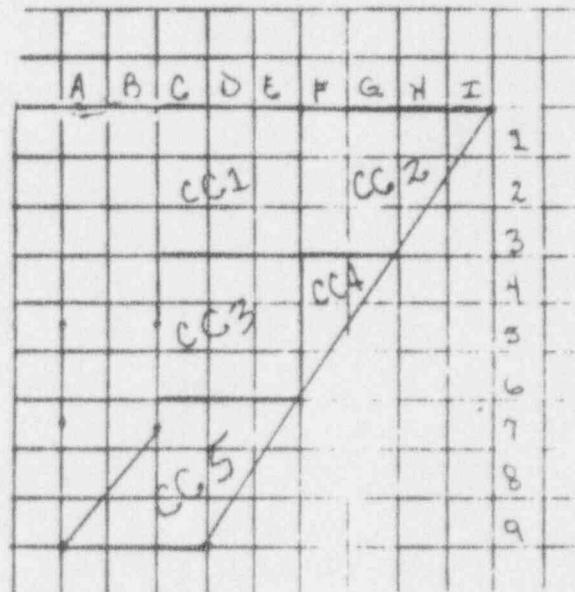
GRID MAP

DATE NOV 24 1988

TIME 1345

SURVEYOR (PRINT NAME) D STARNES

SURVEYOR (SIGNATURE) 



RAISED PLATFORM GRID MAP

DATE 5 Nov 1983

TIME 1630

SURVEYOR (PRINT NAME) DISTANCE / G. MARINES

SURVEYOR (SIGNATURE) [Signature]



proto-power/bisc nuclear, inc.
440 williams street
new london, ct 06320
(203) 444-2100

Radiological Control Survey Record

LOCATION: PAINT CLEANING ROOM

REASON FOR SPECIAL SURVEY: DOSE RATES

NO.

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19

DATE

Nov. 6, 1988

TIME

0830

☐ ROUTINE

☒ SPECIAL

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	γ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
1	CC1	<u>N/A</u>	<u>0</u>				
2	2		<u>0</u>				
3	3		<u>0</u>				
4	4		<u>0</u>				
5	5		<u>0</u>				
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							

RADIATION SURVEY

B. γ CONTAMINATION SURVEY

A. CONTAMINATION SURVEY

INST. <u>L-MOD. 19</u>	INST.	S/N	S/N's
SS. <u>32871</u>	SS. <u>N/A</u>	CAL DUE DATE <u>A</u>	CAL DUE DATES <u>A</u>
CAL DUE DATE <u>8/16/89</u>	DA. DUE DATE	EFF	EFF
BGF BKG = <u>348/h</u>	B.C.F.	BKG	BKG
REMARKS: <u>Dose rates corrected for background</u>		AIR SAMPLE DATE: <u>N/A</u>	

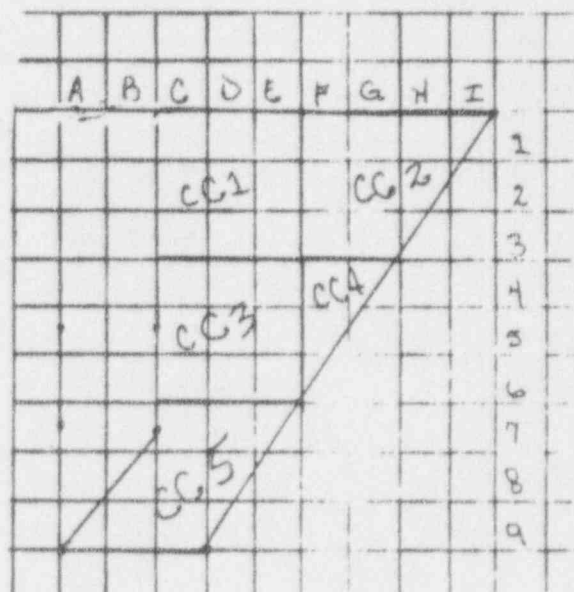
Surveyor (print name) D. STANES

Surveyor (signature) [Signature]

Reviewed by [Signature] Date 12-11-88

Original - Survey File - Canary - Field Ops - Pink - Job Site

A0001747 8/88



Dose Rate Survey

RAISED PLATFORM GRID MAP

DATE Nov 6, 1988

SURVEYOR (PRINT NAME) DSIGNES

TIME 0830

SURVEYOR (SIGNATURE) [Signature]



proto-power/bisco nuclear, inc.
440 williams street
new london, ct 06320
(203) 444-2100

Radiological Control Survey Record

NO. _____ Page 1 of 28

DATE 12/23/88

TIME 0900

LOCATION PAINT ROOM

REASON FOR SPECIAL SURVEY: RELEASE FOR

UNRESTRICTED ACCESS

☐ ROUTINE
☒ SPECIAL

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	γ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
1	NAI-A LOWER-LIALL			1700	0	5.7	0
2	B			2040	0	12	5.2
3	C			2720	0	9.1	0
4	NA2A			1700	0	5.7	0
5	B			1020	0	0	0
6	C			1020	0	5.7	2
7	NB1-A			2040	0	0	0
8	B			2040	0	9.1	2
9	C		N/A	1360	57	0	0
10	NB2-A			1020	0	9.1	0
11	B			1360	0	0	0
12	C			1360	0	5.7	2
13	NC1-A			2040	0	15	5.2
14	B			2040	0	5.7	0
15	C			1700	57	0	8.4
16	NC2-A			680	0	0	0
17	B			680	0	0	0
18	C			680	0	2.3	2

RADIATION SURVEY		B. γ CONTAMINATION SURVEY		A. CONTAMINATION SURVEY	
INST. <u>L-MOD-3</u>	INST. <u>L-MUD-2</u>	INST. <u>C2404</u>	INST./PROBE <u>C2404</u>		
SS. <u>46966</u>	SS. <u>52061</u>	S/N <u>N/A</u>	S/N's <u>N/A</u>		
CAL DUE DATE <u>2/2/89</u>	DAL DUE DATE <u>8/15/89</u>	CAL DUE DATE <u>9/7/89</u>	CAL DUE DATES <u>9/7/89</u>		
EFF. <u>.295</u>	EFF. <u>.316</u>	EFF. <u>.295</u>	EFF. <u>.316</u>		
BKG. <u>.34</u>	BKG. <u>.45</u>	BKG. <u>1.32</u>	BKG. <u>.36</u>		
REMARKS:		AIR SAMPLE DATE: <u>12/23/88</u>			

Surveyor (print name) E. MARCHESE / D. STARNES / S. MAFFESSANTI

Surveyor (signature) [Signature] Reviewed by [Signature] Date 12-23-88



proto-power/bioco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta+\gamma$ dpm/100cm ²	α dpm/100cm ²
ND1	A LOWER-WALLS			680	0	5.7	0
	B			1360	57	9.1	0
	C			1360	0	9.1	0
ND2	A			680	0	0	0
	B			680	0	5.7	0
	C			680	0	0	0
N21	A			1360	0	5.7	2
	B			1360	0	5.7	2
	C			1020	0	5.7	0
NE2	A			680	0	12	0
	B			1360	57	15	0
	C			2040	0	5.7	2
NF1	A			2040	0	0	0
	B			1700	0	5.7	0
	C		N/P	1700	0	0	0
NF2	A			680	0	19	5.2
	B			680	0	2.3	2
	C			1020	0	2.3	2
SA1	A			1700	0	19	5.2
	B			1700	0	5.7	2
	C			2040	0	2.3	0
	D			1700	0	2.3	0
	E			1360	0	0	0
	F			1700	0	0	0
SA2	A			680	0	2.3	0
	B			680	0	0	2
	C			1020	0	12	0
	D			1020	57	2.3	0
	E			1360	57	2.3	0
	F			1020	0	2.3	2

 Surveyor (print name) J. MAFFESSANTI / G. MARCHESI / D. STARNIS

 Surveyor (signature) [Signature]

 Reviewed by [Signature]

 Date 12-2-88



proto-powerbisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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 NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/yr	γ mR/yr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
SD1 A	LOWER-WALLS			1360	0	26	0
B				1700	0	23	2
C				1700	57	0	2
D				1700	57	0	0
E				1360	0	2.2	5.2
F				2040	0	5.6	5.2
SD2 A				1020	0	9.0	5.2
B				1020	0	0	2
C				1360	0	0	0
D				1020	0	2.3	0
E				680	0	9.1	0
F				680	0	0	0
SD1 A				1360	0	12	0
B				1360	0	12	0
C			N/A	1700	0	5.7	0
D				2040	57	9.1	2
E				1020	57	9.1	20
F				1020	0	0	0
SD2 A				1020	0	0	0
B				680	0	2.3	0
C				1360	0	0	0
D				680	0	2.3	0
E				680	0	5.7	0
F				680	0	9.1	0
SD1 A				1360	0	0	0
B				1360	0	9.1	2
C				1360	0	5.7	0
D				1700	0	2.3	0
E				1360	0	2.2	5.2
F				1360	0	0	0

Surveyor (print name) D. STARNES / J. MAFFESENTI / G. MARCHESE

Surveyor (signature)

Reviewed by

Date 12-27-88



proto-power/biseco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
SD2A	LOWER-WALLS			680	57	12	0
	B			680	0	5.7	2
	C			680	0	0	0
	D			1700	0	0	0
	E			1700	0	5.7	2
	F			1700	0	9.1	2
SE1A				1020	57	2.3	0
	B			1020	0	12	0
	C			1700	0	0	0
	D			1020	0	0	0
	E			1360	0	0	0
	F			1360	0	2.3	0
SE2A				680	0	5.7	0
	B			680	0	0	0
	C			1360	0	2.3	0
	D			1020	0	0	0
	E			1020	0	2.2	5.2
	F			1360	0	5.7	0
SE1A				1700	57	12	0
	B			1700	0	0	0
	C			1360	57	0	0
	D			1360	57	2.3	0
	E			1360	0	9	5.2
	F			1360	0	9.1	0
SE2A				680	0	19	0
	B			1020	0	2.3	0
	C			1020	0	2.3	0
	D			1700	0	2.3	2
	E			1700	0	5.7	0
	F			1360	0	2.3	0

Surveyor (print name) G. MARCHESE / D. STARNES / J. MAFFESSANTISurveyor (signature) [Signature]Reviewed by [Signature]Date 12-27-88



proto-power/blaze nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMF TABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
SE1 A	LOWER - WALLS			1700	0	12	0
	B			1360	0	12	0
	C			1360	0	15	0
	D			2040	0	0	0
	E			2720	0	5.7	0
	F			2040	0	9.1	0
SE2 A				680	0	0	0
	B			1020	0	0	0
	C			1020	0	0	24
	D			1360	0	5.7	0
	E			1020	0	0	24
	F			1360	57	0	0
W61 A				680	0	19	0
	B			680	0	0	0
	C		N/A	340	0	0	24
W62 A				680	0	2.2	24
	B			680	0	5.6	24
	C			1020	0	2.2	24
W71 A				680	0	15	24
	B			680	0	5.6	24
	C			680	0	15	0
W72 A				680	0	0	0
	B			680	0	2.3	0
	C			680	0	12	0
W81 A				1020	0	9.1	0
	B			1020	57	0	0
	C			680	0	5.7	0
W82 A				680	0	5.7	0
	B			680	0	0	0
	C			680	0	5.7	0

Surveyor (print name) J. MAFFESSANTI / G. MARCHESI / D. STARNES

Surveyor (signature)

Reviewed by

Date 12-27-88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 6 of 28
NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
L91	A LOWER-WALLS			680	0	22	2.4
	B			680	0	12	2.4
	C			1020	0	5.6	2.4
L92	A			680	0	9.1	0
	B			680	0	0	0
	C			680	0	19	2.4
L101	A			680	0	2.2	5.6
	B			1020	0	2.3	0
	C			1360	0	22	2.4
L102	A			680	0	5.6	2.4
	B			680	0	0	0
	C			340	0	2.2	2.4
L111	A			1020	0	15	2.4
	B			1020	57	5.6	5.6
	C		N/A	680	0	15	0
L112	A			680	0	0	0
	B			340	0	5.6	2.4
	C			680	0	5.7	0
L121	A			1020	0	12	0
	B			1020	57	15	0
	C			1020	0	117	18
L122	A			680	57	12	0
	B			1020	0	9.1	0
	C			1020	0	2.3	0
L123	A			680	0	15	8.8
	B			1360	0	0	0
	C			1360	0	15	2.4
L124	A			680	57	2.3	0
	B			680	0	5.6	5.6
	C			1020	0	29	2.4

Surveyor (print name) D. STARNES / J. MAFFESSANTI / G. MARCHESESurveyor (signature) [Signature] Reviewed by [Signature] Date 12-27-88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
4411	A LOWER- WPLLS			1020	0	9.1	0
	B			1020	0	12	0
	C			1020	0	2.3	0
442	A			1020	0	0	0
	B			1020	0	0	0
	C			680	0	2.2	2.4
E11	A			1020	0	0	0
	B			1020	0	9.1	0
	C			680	0	0	0
E12	A			680	0	12	0
	B			340	57	0	0
	C			680	0	0	0
E21	A			680	0	19	0
	B			680	0	0	0
	C			340	0	0	5.6
E22	A			680	0	0	0
	B			680	0	5.7	0
	C			680	0	9.1	0
E31	A			680	0	0	0
	B			680	57	2.2	2.4
	C			340	0	0	0
E32	A			340	0	0	0
	B			340	0	2.3	0
	C			680	57	0	0
E51	A			680	0	2.2	2.4
	B			680	0	9.1	0
	C			1360	0	2.3	0
E53	A			680	0	0	0
	B			680	0	5.7	0
	C			340	0	5.7	0

Surveyor (print name) G. MARCHESE / D. STARNES / J. MAFFESSANTSurveyor (signature) [Signature]Reviewed by [Signature]Date 12-27-88



proto-power/blec nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
E6.1	A LOWER WALLS			680	0	12	0
	B			340	0	9.1	0
	C			340	0	2.3	0
E6.2	A			1020	0	9	2.4
	B			1020	0	2.3	0
	C			680	0	5.7	0
E7.1	A			340	0	2.3	0
	B			680	0	0	5.6
	C			680	0	2.3	0
E7.2	A			680	0	19	0
	B			340	0	0	0
	C			340	0	2.3	0
E8.1	A			340	0	9	2.4
	B			340	0	15	0
	C			680	0	12	8.8
E8.2	A			680	0	19	8.8
	B			680	0	5.6	5.6
	C			340	0	12	0
E9.1	A			340	0	19	2.4
	B			340	57	12	2.4
	C			680	0	2.2	2.4
E9.2	A			340	0	2.3	0
	B			340	0	15	0
	C			680	0	15	2.4
E10.1	A			680	0	12	2.4
	B			680	0	19	2.4
	C			1020	0	0	0
E10.2	A			680	0	15	0
	B			1020	0	19	11
	C			1020	0	2.3	0

Surveyor (print name) J. MAFFESSANTI / G. MARCHESE / D. STARNES

Surveyor (signature) [Signature]

Reviewed by [Signature]

Date 12-2-88



proto-power/bios nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
E11.1	A LOWER- WALLS			1020	0	29	5.6
	B			1020	0	19	2.4
	C			1020	0	5.7	0
E11.2	A			1020	0	15	0
	B			1020	0	5.7	0
	C			1360	0	2.3	0
E12.1	A			680	0	19	2.4
	B			1020	0	19	5.6
	C			1020	0	26	0
E12.2	A			1020	0	9	2.4
	B			680	0	2.2	2.4
	C			680	0	5.7	0
E13.1	A			1020	0	0	0
	B			680	0	9.1	0
	C			680	0	5.6	2.4
E13.2	A			680	0	5.6	5.6
	B			1020	0	2.3	0
	C			1020	0	0	0
E14.1	A			1020	0	2.2	2.4
	B			1020	0	12	2.4
	C			1020	0	2.2	2.4
E14.2	A			1020	0	0	0
	B			1020	0	19	8.8
	C			680	0	2.3	0
E15.1	A			1020	0	0	0
	B			680	0	0	0
	C			1020	0	5.7	0
E15.2	A			680	0	2.2	5.6
	B			1020	57	9	5.6
	C			1020	0	15	2.4

Surveyor (print name) D. STARNES / S. MAFFESSANTI / E. MARCHESE

Surveyor (signature) [Signature]

Reviewed by [Signature]

Date 12-27-88



proto-power/bioscience nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
EA11	A LOWER-WALLS			1020	0	25	2.4
	B			1020	0	15	0
	C			1020	0	2.2	2.4
EA21	A			680	0	9.1	0
	B			680	0	19	2.4
	C			1360	0	15	2.4
EB11	A			680	0	2.3	0
	B			1020	57	5.7	0
	C			1020	0	9	2.4
EB21	A			680	0	9	2.4
	B			1020	57	0	2.4
	C			1020	0	26	0
EA12	A			1020	0	2.2	2.4
	B			680	0	15	2.4
	C		N/A	1020	0	2.3	0
EA22	A			680	0	15	2.4
	B			680	0	0	2.4
	C			680	0	53	2.4
EB12	A			1020	0	9.1	0
	B			1020	57	0	2.4
	C			680	0	42	5.6
EB22	A			680	0	32	2.4
	B			680	0	9	2.4
	C			680	0	0	2.4
HA	A UPPER-WALLS			500	0	9	2.4
	B			750	0	0	0
	C			250	0	5.6	5.6
HA2	A			0	0	0	2.4
	B			750	0	5.6	8.8
	C			0	0	0	0

Surveyor (print name) G. MARCHESE / D. STARNES / J. MAFFREIANTSurveyor (signature) [Signature]Reviewed by [Signature]Date 12-27-01



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
S1	A UPPER-WALLS			250	0	2.2	5.6
	B			250	0	5.6	5.6
	C			500	0	2.2	2.4
	D			2750	110	2.3	0
	E			500	0	0	0
	F			750	0	2.3	0
S2	A			0	0	0	2.4
	B			0	0	9	2.4
	C			500	0	2.2	2.4
	D			250	0	0	0
	E			1000	0	5.7	0
	F			1750	0	15	0
L1	A			500	0	5.7	0
	B			250	0	15	0
	C			250	0	15	0
L2	A			0	0	15	0
	B			0	0	9.1	0
	C			500	0	5.7	0
L3	A			250	0	2.3	0
	B			0	0	0	2.4
	C			0	110	5.7	0
EL1	A			0	0	5.6	2.4
	B			250	0	2.3	0
	C			0	0	0	2.4
EN2	A			0	0	5.2	15
	B			0	110	5.7	0
	C			0	0	2.2	2.4
EN3	A			0	0	2.3	0
	B			0	0	5.7	0
	C			0	0	5.7	0

Surveyor (print name) J. MAFFESSANTI, K. MARCHESI, D. STARIVESSurveyor (signature) [Signature]Reviewed by [Signature]Date 12-27-05



proto-powerbison nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
E44	A UPPER-WALLS			0	110	0	2.4
	B			0	0	5.7	0
	C			0	0	9.1	0
E45	A			0	0	12	0
	B			0	0	0	0
	C			0	0	2.3	0
E46	A			0	0	2.3	0
	B			0	0	0	0
	C			0	0	12	0
E51	A			250	0	9.1	0
	B			250	0	15	0
	C			500	0	5.9	0
CC1	A CEILING			250	0	5.9	0
	B			250	0	2.5	0
	C			250	0	2.5	0
CC2	A			0	0	8.25	5.7
	B			0	0	0	0
	C			0	110	2.5	2.5
CC3	A			0	110	2.5	2.5
	B			0	0	5.9	2.5
	C			0	0	5.9	0
CC4	A			0	0	12	0
	B			0	0	2.4	5.7
	C			250	0	0	0
CC5	A			250	0	0	0
	B			250	0	0	2.5
	C			0	0	2.5	0
CC6	A			0	110	5.9	0
	B			0	0	5.9	0
	C			0	110	5.9	2.5

Surveyor (print name) D. STARNES / J. MAFFISSANT / G. MARCHESESurveyor (signature) [Signature]Reviewed by [Signature]Date 11-22-88



proto-power/bisce nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
CC7	A CEILING			0	0	9.3	0
	B			0	0	9.3	0
	C			500	110	0	0
CC8	A			250	0	0	0
	B			1000	110	12	2.5
	C			250	110	12	0
CC9	A			250	0	5.9	0
	B			1000	0	0	0
	C			500	110	5.9	0
XX1	A PIPING			0	0	9.3	0
	B			750	110	0	0
	C			250	0	2.5	2.5
	D			250	0	0	0
	E			250	0	5.9	0
	F			250	0	0	0
	G			250	0	0	2.5
	H			750	0	0	0
	I			250	0	0	8.9
	J			500	110	5.9	0
XX2	A			250	110	5.9	0
	B			750	0	0	0
	C			750	0	9.3	0
	D			500	0	12	2.5
	E			0	0	16	0
	F			0	0	9.3	0
	G			0	110	9.2	8.9
	H			0	110	12	5.7
XX3	A			0	0	0	0
	B			0	0	9.3	0
	C			500	0	12	2.5
	D			250	0	5.9	0

Surveyor (print name) EMARHESE/D STARNIS/J. MAFFESSANTISurveyor (signature) [Signature]Reviewed by [Signature]Date 12-7-88



proto-powerbliss nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
xx3	E PIPING			0	0	19	2.5
	F			0	0	0	2.5
	G			0	0	12	0
xx4	A			0	0	9.3	2.5
	B			0	0	12	2.5
	C			250	110	0	0
	D			250	110	9.3	0
	E			0	0	5.9	0
	F			0	110	0	0
xx5	A			250	0	9.3	2.5
	B			250	57	0	0
	C			500	57	5.9	2.5
	D			500	57	0	0
	E			1500	114	9.3	0
	F		N/P	0	0	5.9	0
	G			0	0	0	0
	H			0	0	209	5.7
	I			1000	0	5.9	0
	J			500	0	9.3	2.5
	K			500	57	12	2.5
	L			500	57	12	2.5
	M			500	0	9.3	0
	N			750	0	5.9	0
	O			0	0	0	2.5
	P			0	0	0	2.5
xx6	A			0	0	5.9	0
	B			0	0	5.9	2.5
	C			0	0	2.5	0
	D			0	0	2.5	0
	E			250	0	0	0
	F			0	110	43	89

Surveyor (print name) J. MAFFESSANTI / G. MARCHESE / D. STARNESSurveyor (signature) [Signature]Reviewed by [Signature]Date 1-25-88



proton-power/biaco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
XX6	G PIPING			1250	520	12	5.7
	H			750	0	2.5	2.5
	I			0	110	5.9	0
	J			250	220	0	2.5
	K			0	0	5.9	2.5
XX7	A			1000	0	9.3	0
	B			0	0	2.5	0
	C			0	0	2.4	5.7
	D			0	0	0	0
	E			750	110	19	2.5
	F			0	0	5.9	2.5
XX8	A			0	0	2.5	0
	B			0	0	5.9	0
	C		N/A	0	0	0	0
	D			0	110	9.3	2.5
	E			250	110	5.9	2.5
	F			0	0	5.9	0
	G			0	110	0	2.5
	H			0	0	5.9	0
XX9	A			250	110	22	0
	B			250	0	5.9	2.5
	C			500	0	5.9	0
	D			250	110	5.9	0
	E			500	0	2.5	0
	F			500	110	9.3	0
	G			500	0	26	0
	H			250	110	16	0
	I			0	0	12	0
	J			0	0	46	5.7

Surveyor (print name) D. STARNES / J. MARFACCANTI / E. MARCHESE

Surveyor (signature) [Signature]

Reviewed by [Signature]

Date 12-22-11



proto-power/bios nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
A1	A FLOOR			2040	0	5.4	3
	B			2380	0	8.8	0
	C			1700	0	0	0
A2	A			2720	45	8.8	3
	B			2040	0	2.1	0
	C			2040	0	15	0
A3	A			1700	0	5.5	0
	B			1360	45	0	0
	C			2040	0	2.1	0
A4	A			2040	45	2.1	0
	B			1360	90	2.1	0
	C			1700	0	22	3
A5	A			2280	0	8.8	0
	B			1900	45	2.1	0
	C			2280	45	2.1	0
A6	A			2280	45	0	3
	B			1900	45	8.8	0
	C			1900	45	0	3
A7	A			1900	0	5.5	0
	B			2280	45	5.5	0
	C			2280	0	0	3
A8	A			2660	45	2	3
	B			2280	45	18	12
	C			1900	45	2.1	0
A9	A			1900	0	2.1	0
	B			1520	45	5.5	0
	C			1520	45	0	0
A10	A			1360	90	5.5	0
	B			1360	0	0	6.1
	C			1360	45	0	0

Surveyor (print name) F. MARCHESE / D. STARNES / J. MAFFESSANTISurveyor (signature) [Signature]Reviewed by [Signature]Date 12-27-88



proto-power/blaco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
A11	A FLOOR			1560	0	5.5	0
	B			1020	45	5.5	0
	C			1020	45	5.5	0
A12	A			1260	0	0	0
	B			1360	45	8.8	0
	C			1020	45	2.1	0
A13	A			1360	45	0	0
	B			1360	45	5.5	0
	C			1360	0	0	0
A14	A			1700	0	0	3
	B			2040	0	2	3
	C			1700	45	0	0
A15	A			1700	0	2.1	0
	B			1700	90	2.1	0
	C			1360	0	12	6.1
B1	A			2040	0	2.1	0
	B			1360	0	8.8	0
	C			1020	0	5.5	0
B2	A			1700	45	5.4	6.1
	B			1360	45	2.1	0
	C			1700	45	5.5	0
B3	A			1700	45	5.5	0
	B			1360	45	2	3
	C			2380	0	0	3
B4	A			1900	0	0	0
	B			2380	45	0	0
	C			1520	0	7.54	6.1
B5	A			2280	45	15	0
	B			2280	0	2	6.1
	C			2660	45	18	9.3

Surveyor (print name) J. MAFFESSANTI / G. MARCHESE / D. STARNES

Surveyor (signature) *[Signature]*Reviewed by *[Signature]* Date 11-27-98

Original - Survey File - Casualty - Field Ops - Pink - Job Site

A0001747 8/88



proto-power/bios nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ rad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
B6	A FLOOR			1360	0	5.5	0
	B			1360	90	0	0
	C			2040	45	2.1	0
B7	A			2040	45	8.8	0
	B			1020	90	12	3
	C			1360	45	5.5	0
B8	A			2040	0	0	0
	B			1020	0	2.1	0
	C			1360	45	5.5	0
B9	A			1700	0	2.1	0
	B			2040	45	0	0
	C			2040	0	0	3
B10	A			1700	45	0	0
	B		NA	1700	0	8.8	0
	C			1360	0	2.1	0
B11	A			1020	0	2	3
	B			1020	0	2.1	0
	C			1360	45	0	0
B12	A			1360	45	8.8	3
	B			1360	90	0	0
	C			1700	0	2	3
B13	A			2040	45	5.5	0
	B			1360	0	0	0
	C			1360	45	0	3
B14	A			1700	45	0	0
	B			1700	45	0	3
	C			1700	45	1.9	12
B15	A			1700	45	5.5	0
	B			1360	45	2	3
	C			1360	45	0	0

Surveyor (print name) D. STARNES / J. MAFFESSANTI / G. MARCHESE

Surveyor (signature) [Signature] [Signature] [Signature]

Reviewed by [Signature] Date 12-27-88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
C2	A FLOOR			1020	0	5.5	0
	B			1020	0	2.1	0
	C			1360	45	8.8	3
C3	A			2040	45	12	0
	B			1700	0	0	3
	C			2040	0	8.8	0
C4	A			1900	45	2	3
	B			2280	45	5.5	0
	C			2660	45	2.1	0
C5	A			1900	90	5.5	0
	B			1520	45	0	3
	C			1900	45	0	0
C6	A			1700	45	8.8	3
	B			1360	45	2.1	0
	C		NA	1360	90	0	0
C7	A			1020	0	2.1	0
	B			1020	45	2.1	0
	C			680	0	2.1	0
C8	A			1700	0	5.5	0
	B			1020	45	8.8	3
	C			1020	45	2	3
C9	A			1520	90	5.5	0
	B			1520	45	5.5	0
	C			1140	90	0	0
C10	A			1020	0	2.1	0
	B			1360	0	2.1	0
	C			1360	45	0	3
C11	A			1020	45	2.1	0
	B			1360	45	5.5	0
	C			1360	45	15	0

Surveyor (print name) G. MARCHESE / D. STARNES / J. MAFFESSANTISurveyor (signature) [Signature]Reviewed by [Signature]Date 12-17-88

Original - Survey File, Canary - Field Ops, Pink - Job Site

A0001747 8/88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
C12	A FLOOR			1020	0	5.5	0
	B			1360	45	8.8	0
	C			1020	45	0	0
C13	A			1700	45	0	0
	B			1360	90	0	0
	C			1360	45	29	6.1
C14	A			1020	90	8.8	3
	B			680	45	0	3
	C			1360	45	5.4	3
C15	A			1020	45	5.5	0
	B			1020	45	0	0
	C			1020	0	5.5	0
D3	A			2040	0	0	0
	B			1700	0	2.1	0
	C			1700	45	2	3
D4	A			2660	90	0	0
	B			2660	0	2	3
	C			2660	0	2.1	0
D5	A			1520	45	5.5	0
	B			1520	45	0	0
	C			1520	0	22	3
D6	A			680	45	2.1	0
	B			1020	45	0	0
	C			1020	0	2	3
D7	A			1360	0	0	6.1
	B			1360	45	5.5	0
	C			1360	0	5.5	0
D8	A			1520	45	5.5	0
	B			1520	45	2.1	0
	C			1140	90	0	0

Surveyor (print name) J. MAFFESSANTI / E. MARCHESE / D. STARNESSurveyor (signature) [Signature]Reviewed by [Signature]Date 12-28



proto-power/bios nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
D9	A FLOOR			1520	0	5.5	0
	B			2280	0	0	0
	C			1520	45	0	0
D10	A			1360	0	5.5	0
	B			1360	90	2.1	0
	C			1020	45	5.5	0
D11	A			1360	45	5.5	0
	B			1020	0	2.1	0
	C			1020	45	0	0
D12	A			1360	45	0	0
	B			1360	45	15	0
	C			1360	45	0	0
D13	A			1360	45	5.5	0
	B			1360	0	8.8	0
	C			2040	45	8.8	0
D14	A			2040	45	0	0
	B			1360	45	5.4	3
	C			1360	45	0	3
E4	A			2660	45	0	0
	B			1900	0	15	0
	C			1520	0	5.5	0
E5	A			1900	0	2.1	0
	B			2280	0	2	3
	C			1900	0	2	3
E6	A			1020	0	5.5	0
	B			1020	45	2	3
	C			1020	0	2	3
E7	A			2040	0	0	6.1
	B			1360	45	2.1	0
	C			1360	45	2.1	0

Surveyor (print name) D. STARNES / S. MAFFESSANTI / E. MARCHESE

Surveyor (signature) [Signature]

Reviewed by [Signature]

Date 12-28-88

Original - Survey File, Canary - Field Ops., Ink - Job Site

A0001747 8/88



proto-powerblaze nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
E8	A FLOOR			1360	45	0	0
	B			2040	45	8.8	0
	C			1360	0	8.8	0
E9	A			1360	90	0	0
	B			1700	45	0	0
	C			1700	0	8.8	0
E10	A			1360	0	8.8	3
	B			1360	0	8.8	0
	C			1360	0	5.5	0
E11	A			1020	0	0	0
	B			1020	45	5.4	6.1
	C			1360	45	8.8	0
E12	A			1360	45	2	6.1
	B			1360	0	8.8	0
	C			1020	45	12	0
E13	A			1020	45	0	0
	B			1360	45	0	3
	C			1020	0	0	0
E14	A			1020	0	0	3
	B			1020	45	5.5	0
	C			2040	90	0	0
F4	A			1900	45	8.8	0
	B			2280	0	5.5	0
	C			3040	0	2.1	0
F5	A			1520	45	0	0
	B			1520	45	5.5	0
	C			1520	0	5.4	6.1
F6	A			1360	45	5.4	3
	B			1360	0	2.1	0
	C			1360	45	0	0

Surveyor (print name) E. MARCHESE / D. STARNES / J. MAFFESSANTSurveyor (signature) [Signature]Reviewed by [Signature]Date 12-28-88



proto-power/bischo nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
F7	A FLOOR			1360	0	2.1	0
	B			1360	45	0	0
	C			2040	45	0	0
F8	A			2040	45	0	0
	B			1020	45	5.5	0
	C			1020	45	2.1	0
F9	A			1360	45	8.8	0
	B			1700	0	2	3
	C			1700	0	8.8	0
F10	A			1020	45	0	0
	B			1360	45	0	6.1
	C			1360	45	0	0
F11	A			1020	0	2	6.1
	B			1020	0	2	6.1
	C			1020	45	0	3
F12	A			1020	45	12	0
	B			1020	45	0	0
	C			1360	90	8.8	3
F13	A			1020	0	0	0
	B			1360	45	2.1	0
	C			1020	0	0	0
F14	A			2040	45	0	0
	B			1700	0	5.4	3
	C			1020	45	0	3
F5	A			2280	0	12	0
	B			1900	45	0	0
	C			2280	45	6.0	6.1
66	A			1360	0	2.1	0
	B			1360	0	0	3
	C			1360	0	0	0

Surveyor (print name) J. MAFFESSANTI / G. MARCHESE / D. STARNES

Surveyor (signature)

Reviewed by

Date 12-28-88

Original - Survey File, Canopy - Field Ops, Pink - Job Site

A0001747 8/88



proto-powerbisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
G7A	FLOOR			1360	0	0	0
B				1360	0	0	3
C				1360	0	5.5	0
PP1A	POLES			680	0	8.8	0
B				680	0	12	3
C				340	0	0	0
D				1020	0	5.4	3
E			N/A	680	0	2.1	0
F				680	0	2.1	0
PP2A				680	0	5.4	3
B				680	0	2.1	0
C				1020	0	0	0
D				340	0	5.4	3
E				340	0	0	0
F				1020	0	2.1	0

Surveyor (print name) D. STARNES / S. MAFRESCANTI / E. MARCHESESurveyor (signature) [Signature]Reviewed by [Signature]Date 12-28-20

Original - Survey File - Canary - Field Ops - Pink - Job Site

A0001747 B/BB



proto-powerbleed nuclear, inc.
440 williams street
new london, ct 06320
(203) 444-2100

Radiological Control Survey Record

LOCATION: PAINT ROOM

REASON FOR SPECIAL SURVEY: DOSE RATES

NO.

25 Rev 0
Page 1 of 4
12/23/88

DATE

TIME

0900

☐ ROUTINE

☒ SPECIAL

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ r/hr	β dpm/100cm ²	γ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
1	SEE ATTACHED MAP		0				
2			0				
3			0.5				
4			0.5				
5			0				
6			0.5				
7			0.5				
8			0				
9			0.5				
10							
11							
12							
13							
14							
15							
16							
17							
18							

RADIATION SURVEY

B. γ CONTAMINATION SURVEY

A. CONTAMINATION SURVEY

INST.	INST.	INST.	INST./PROBE
L-MOD-19		S/N	S/N's
SS 32871	SS NA	CAL DUE DATE NA	CAL DUE DATES NA
CAL DUE DATE 8/16/89	DAL DUE DATE	EFF	EFF NA
BGF TRK = 4 cur/hr	BGF	BKG	BKG

REMARKS:

READINGS GIVEN IN GROSS μ r/hr

AIR SAMPLE DATE:

Surveyor (print name)

G. MARCHESE

Surveyor (signature)

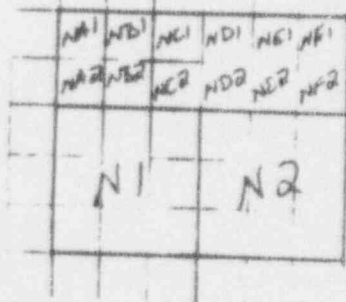
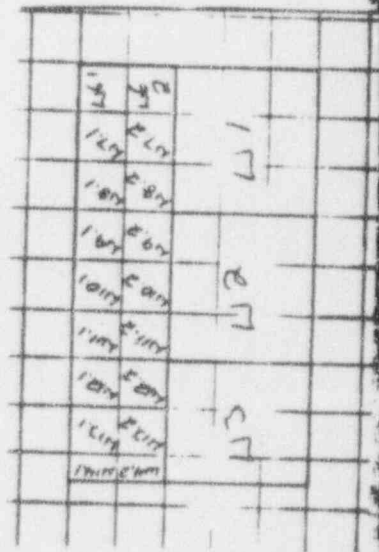
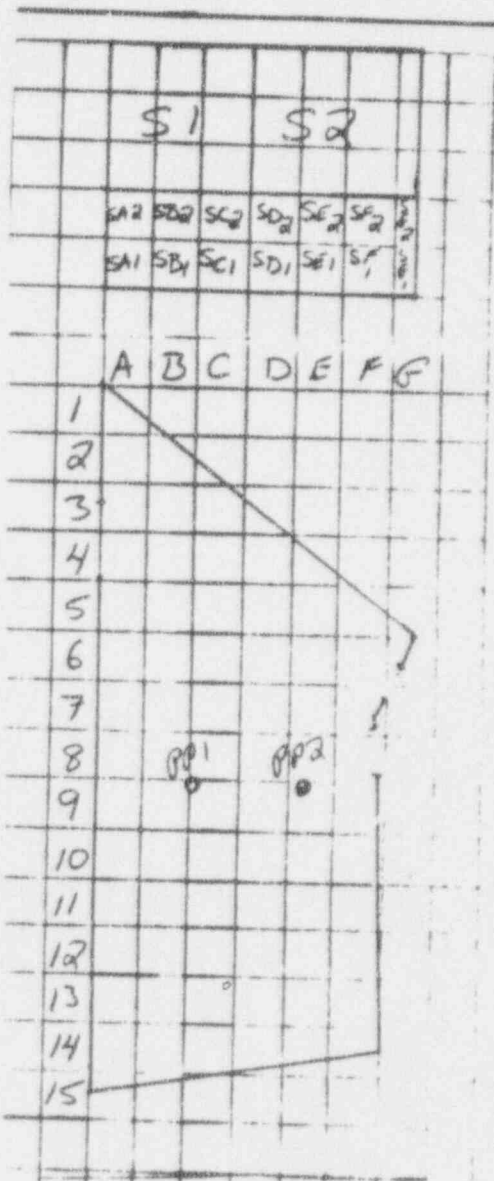
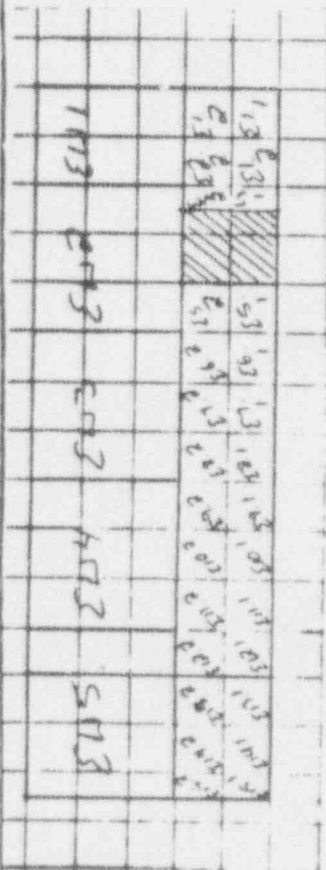
[Signature]

Reviewed by

[Signature]

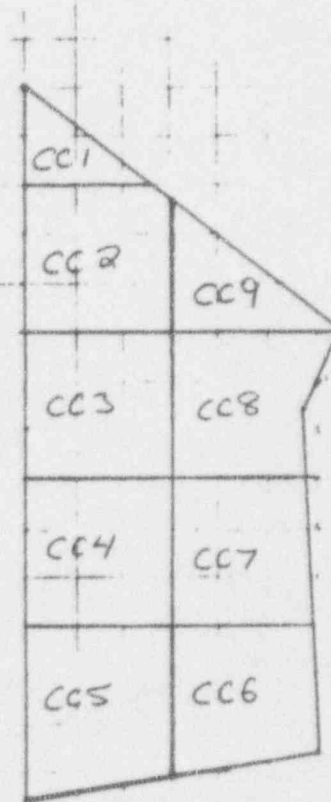
Date

12-28-88



DATE 12/2/20
TIME 0900

G MARCHESE/D STARNIS/J MARCHESE
SURVEYOR (PRINT NAME)
SURVEYOR (SIGNATURE)



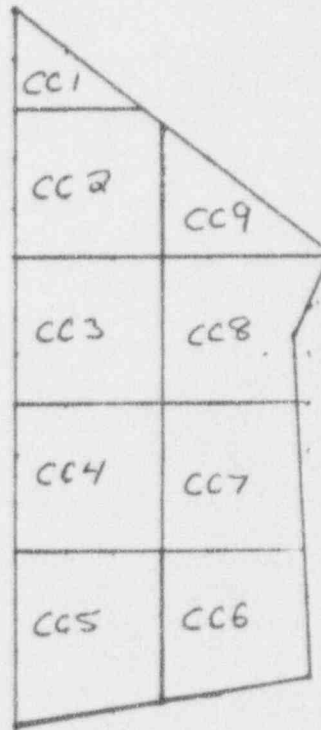
PAINT ROOM Ceiling

DATE 12/20/88
TIME 0900

E. MARCITSE
SURVEYOR (PRINT NAME) STARNES J. MATESSANO
[Signature]
SURVEYOR (SIGNATURE) [Signature]

PAINT ROOM.

"DOSE RATES"



DATE 12/23/88
TIME 0900

SURVEYOR (PRINT NAME) G. MARCIBESE
SURVEYOR (SIGNATURE) [Signature]

Radiological Control Survey Record

 NO. _____ Page 1 of 2

DATE _____

TIME _____

☐ ROUTINE ☒ SPECIAL

 LOCATION: EXHAUST DUCT IN PAINT ROOM (INSIDE)

 REASON FOR SPECIAL SURVEY: INITIALING SPOT CHECK
FINAL RELEASE SURVEY

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta+\gamma$ dpm/100cm ²	α dpm/100cm ²
1	SQUARE #1 BOTTOM	N/A	0	0	0	19	0
2	SQUARE #2 BOTTOM			0	0	15	0
3	SQUARE #2 TOP			960	0	25	12
4	SQUARE #3 RIGHT SIDE			320	0	15	59
5	SQUARE #4 BOTTOM			320	0	32	28
6	SQUARE #4 RIGHT SIDE			0	0	39	59
7	SQUARE #5 BOTTOM		0	0	0	21	28
8	SQUARE #6 RIGHT SIDE			460	45	12	0
9	SQUARE #6 BOTTOM			0	45	36	0
10	SQUARE #7 BOTTOM			960	0	12	59
11	SQUARE #7 TOP			320	45	56	0
12	SQUARE #8 RIGHT SIDE			320	0	32	59
13	SQUARE #8 BOTTOM		0	320	0	15	28
14	SQUARE #3 LEFT SIDE			0	45	12	0
15							
16							
17							
18							

RADIATION SURVEY			$\beta+\gamma$ CONTAMINATION SURVEY		α CONTAMINATION SURVEY	
INST.	L-MOD 2	L-MOD 2	L-MOD 19	INST. C-2400	INST/PROBE C-2400	
S/N	52150	52061	32871	S/N N/A	S/N N/A	
CAL DUE DATE	8-15-89	8-15-89	8-16-89	CAL DUE DATE 9-7-89	CAL DUE DATE 9-7-89	
C.F.	32	45	N/A	EFF .245	EFF .316	
				BKG 1.36	BKG .13	

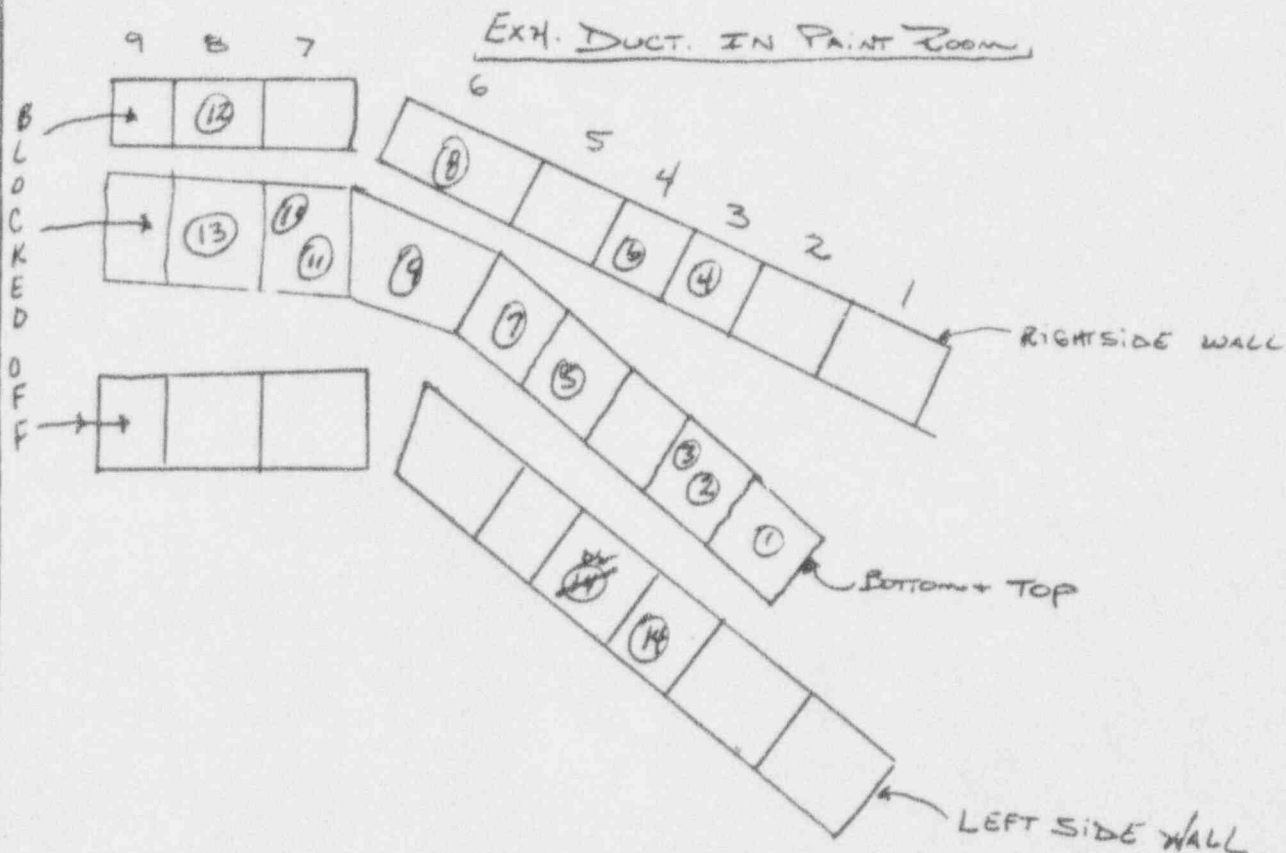
REMARKS:	AIR SAMPLE DATA
EXGSD 700cpm Bf AND 4 μ /hr	

 Surveyor (print name) D. STARNES

 Surveyor (signature) [Signature]

 Reviewed by [Signature]

 Date 2-11-89



DATE 2-1-89

TIME 1620

SURVEYOR (PRINT NAME) D. STARNES

SURVEYOR (SIGNATURE) D. Starnes

biscraft
northeast

Radiological Control Survey Record

NO. _____ Page 1 of 9

DATE

2-14-89

TIME

0847

☐ ROUTINE

☒ SPECIAL

LOCATION: ROOM BEHIND PAINT ROOM (ADMIN)

REASON FOR SPECIAL SURVEY: FREE RELEASE FOR

UNRESTRICTED USE

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
1	E61C LOWER WALLS			0	0	0	0
2	E			0	0	1.1	0
3	A			0	0	0	2.3
4	E71D			350	0	0	2.8
5	C			0	0	9.1	0
6	E			0	0	0	0
7	A			0	0	2.3	0
8	E71D			760	0	0	0
9	B			380	0	0	0
10	C			0	0	5.7	0
11	A			0	0	5.7	0
12	E61C			0	0	5.6	2.8
13	H			0	0	0	0
14	A			0	0	0	2.8
15	E61C			0	0	2.3	0
16	B			0	0	2.3	0
17	A			350	0	0	0
18	E51C			0	0	5.7	0

RADIATION SURVEY

$\beta + \gamma$ CONTAMINATION SURVEY

α CONTAMINATION SURVEY

INST.	L-MOD-3	L-MOD-2	L-MOD-3	INST. L-40	INST/PROBE L-240
S/N	44795	52061	50158	S/N $\sqrt{2}$	S/N $\sqrt{2}$
CAL DUE DATE	8-12-89	8-15-89	8-15-89	CAL DUE DATE 9-7-89	CAL DUE DATE 9-7-89
EFF	0.295			EFF 0.295	EFF 0.16
BKG	1.23			BKG 1.23	BKG 0.13

REMARKS:

EXGD = 30CFM BX L-MOD-19 32871 8-16-89

AIR SAMPLE DATA

DISEGATE EXGD = 4⁰⁰/HAX ALL READINGS CORRECTED FOR EXGD B-115^{E 10} T_h = 44 min
2-646^{E 11} T_h = 67 min

Surveyor (print name) D STARNES

Surveyor (signature) D Starnes

Reviewed by [Signature]

Date 2-15-89



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 2 of 9
NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
E5.2B	LOWER WALLS (CONT'D)			0	0	0	0
A				0	0	5.7	0
E5.1C				0	0	0	2.8
B				0	0	5.6	5.9
A				0	0	2.2	2.8
E4.2C				0	0	9.0	5.9
B				0	0	0	0
A				0	0	0	0
E4.1C				0	0	2.3	0
B				0	0	2.2	2.8
A				0	0	0	0
E3.2C				0	0	0	0
B				0	0	0	2.8
A				0	0	0	2.8
E3.1C				0	0	0	0
B				0	0	0	0
A				0	0	15	0
E2.2C				0	0	12	2.8
B				0	45	9.0	2.8
A				0	0	5.6	2.8
E2.1C				380	0	0	0
B				0	0	5.6	2.8
A				0	0	0	2.8
E1.2C				0	0	12	2.8
B				0	0	0	0
A				0	0	0	0
E1.1C				0	45	9.0	2.8
B				0	0	0	2.8
A				0	0	2.3	0
W2.2C				0	0	2.2	2.8
B				0	0	2.3	0

Surveyor (print name) D. STARNESSurveyor (signature) [Signature]Reviewed by [Signature]Date 2-15-89



proto-powerbisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
W7.2A	LOWER WALLS (CONT'D)			0	45	5.7	0
W7.1C				0	0	0	0
B				0	0	12	5.9
A				0	0	5.6	2.8
W6.2C				0	0	0	2.8
B				0	0	2.3	0
A				0	0	0	0
W6.1C				0	0	12	5.9
B				0	0	15	2.8
A				0	0	5.7	0
W5.2C				380	0	2.2	2.8
B				380	0	2.3	0
A				0	0	5.6	2.8
W5.1C				760	0	5.7	0
B				380	0	9.0	2.8
A				1140	0	0	2.8
W4.2C				380	45	9.1	0
B				760	0	9.1	0
A				0	0	5.6	2.8
W4.1C				0	0	5.6	2.8
B				0	0	2.3	0
A				0	0	12	0
W3.2C				0	0	9.0	2.8
B				0	0	5.7	0
A				0	0	0	0
W3.1C				0	0	0	0
B				760	0	5.7	0
A				1520	0	0	0
W2.2C				0	0	9.1	0
B				0	0	0	5.9
A				0	0	2.3	0

Surveyor (print name) D STARNESSurveyor (signature) [Signature]Reviewed by [Signature]Date 2-11-88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 4 of 9
NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
W2.1C	LOWER WALLS (CONT'D)			0	0	2.2	2.8
B				0	0	5.7	0
A				0	0	9.1	0
W1.2C				0	0	0	0
B				0	45	0	0
A				0	0	9.1	0
W1.1C				0	0	5.7	0
B				0	0	9.1	0
A				0	0	0	0
EW2C	UPPER WALLS (CONT'D)			0	0	2.3	0
EW2B				0	0	9.0	9.1
EW2A				0	0	2.3	0
EW1C				0	0	12	2.8
B				0	0	0	0
A				0	0	15	0
S1C				0	0	2.3	0
B				0	0	2.3	0
A				0	0	0	0
N1C				0	0	9.1	0
B				0	0	5.7	0
A				0	0	9.1	0
W2C				0	0	0	0
B				0	0	5.6	2.8
A				0	0	22	0
W1C				0	0	5.6	2.8
B				0	0	5.7	0
A				0	0	5.7	0
EB.2A	LOWER WALLS			0	0	0	0
B				0	0	9.1	0
C				0	0	2.3	0
E1.1A	(INSIDE)			380	0	2.2	9.1

Surveyor (print name) D. STARNESSurveyor (signature) [Signature]Reviewed by [Signature]Date 2-1-88



proto-powerbisc nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
E1.1 B	LOWER WALLS (CONT. D)			0	45	2.3	0
C				0	0	0	5.9
E0.1 A				0	0	15	0
B				0	0	12	0
C				0	0	22	0
W0.1 A				0	0	0	0
B				0	0	2.3	0
C				380	0	0	0
NA.1 a				760	0	0	0
b				0	0	9.1	0
C				0	0	9.1	0
NA.2 C				0	0	5.6	2.8
B				0	0	9.1	0
a				0	0	0	5.9
NA.1 a (INSIDE)				0	0	0	0
b				0	0	5.7	0
C				0	0	2.3	0
NB.1 a				0	0	2.2	5.9
b				0	0	0	0
C				0	0	9.0	2.8
NB.2 a				0	0	0	0
b				0	0	0	0
C				380	0	5.7	0
NB.1 a (INSIDE)				0	0	2.2	2.8
b				0	0	2.2	2.8
C				0	0	12	0
NC.1 C				0	0	5.6	2.8
B				0	0	2.2	2.8
a				0	0	5.7	0
NC.2 a				0	0	0	0
b				0	0	2.3	0

Surveyor (print name) D. STARNESSurveyor (signature) [Signature]Reviewed by [Signature] Date 2-15-89



proto-power/blaco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 6 of 9
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
NG.2C	LOWER WALLS (CONT'D)			0	0	0	0
SA.1a	(BKGD = 40cpm) C.F. = 38			380 760	0	0	0
b				380 760	0	0	0
c				380 760	0	5.6	2.8
SA.2a				0	0	5.7	0
b				0	0	9.1	0
c				0	0	2.3	0
SB.1a				380	0	2.3	0
b				380	45	0	0
c				380	0	5.6	5.9
d				380	45	0	0
e				380	0	2.3	0
f				380	0	9.0	2.8
SB.2a				380	0	0	0
b				380	0	2.3	0
c				380	0	2.3	0
d				380	0	0	0
e				380	0	2.2	2.8
f				380	0	9.0	2.8
SC.1a				0	0	2.3	0
b				0	0	5.7	0
c				0	0	5.7	0
SC.2a				0	0	9.1	0
b				380	0	0	5.9
c				0	0	0	0
CC.1a	CEILING (BKGD = 30) C.F. = 38		0	0	0	0	0
b			-	760	0	5.7	0
c			-	760	0	5.6	2.8
d			-	0	0	0	0
e			-	0	0	12	2.8
CC.2a			0	0	0	0	0

Surveyor (print name) D. STARNESSurveyor (signature) [Signature]Reviewed by [Signature] Date 2-15-89



proto-powerblase nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 7 of 9
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
CC2b	Ceiling (CONT. D)			0	0	5.6	2.8
C				0	0	9.1	0
XX2A	PIPES (BKGD: 60cpm C.F. = 32)			960	0	12	0
B				960	0	2.3	0
C				320	0	9.0	2.8
D				0	0	19	2.8
E				320	0	2.3	0
F				320	0	5.7	0
G				320	0	0	5.9
H				320	0	19	2.8
I				320	0	2.3	0
J				320	0	0	0
XX2A	(BKGD: 30cpm B.V. C.F. = 32)			0	0	5.7	0
B				0	0	5.6	5.9
C				0	0	15	0
D				0	0	19	5.9
E				0	0	2.3	0
A0a	FLOOR			1520	0	43	0
b				1140	0	8.9	0
C				1520	0	27	0
A1a				380	0	0	0
b				0	45	33	6.8
C				0	0	0	0
A2a				1520	45	64	2.8
b				1140	0	48	2.8
C				1520	0	38	0
A3a				380	0	0	0
b				0	0	0	0
C				380	0	30	0
A4a				1140	0	54	0
b				1140	0	0	0

Surveyor (print name) D. STARNESSurveyor (signature) [Signature]Reviewed by [Signature] Date 2-15-79

Radiological Control Survey Record
Continuation Sheet

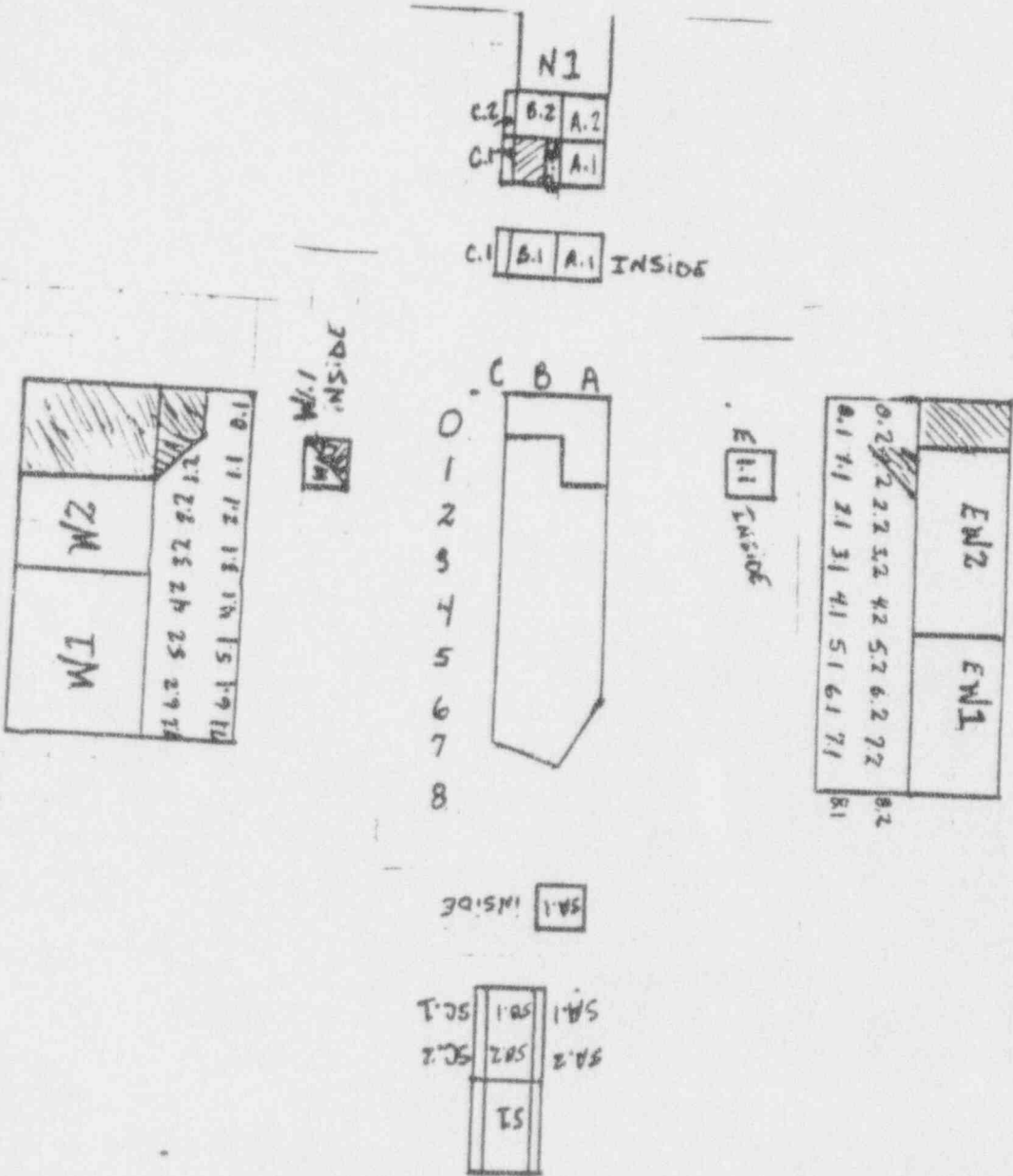
Page 8 of 9
NO.

Surveyor (print name) D. STARNES

Surveyor (signature) D. J. [Signature]

Reviewed by RAM Date 2-15-07

ROOM BEHIND PAINT ROOM



DATE 2.14.89
0847

SURVEYOR (PRINT NAME) D. STARNES
SURVEYOR (SIGNATURE) D. Starnes

D) East-West, North-South,
and Manufacturing Room Passage and Foyer

111949

OFFICIAL RECORD COPY **ML10**

JAN 29 1990

NOTES TO SURVEY DATA.

Additional instruments used to perform the direct contamination survey that may not have been included on the first page of the survey.

<u>INSTRUMENT</u>	<u>SERIAL #</u>	<u>CAL. DUE DATE</u>	<u>TYPE</u>
E-120	9113	8-2-89	BETA/GAMMA
E-120	9146	8-2-89	BETA/GAMMA
L-3	46921	8-2-89	BETA/GAMMA
L-3	49892	8-2-89	BETA/GAMMA
L-3	50150	8-12-89	BETA/GAMMA
L-3	49795	8-12-89	BETA/GAMMA
L-3	46966	2-2-89	BETA/GAMMA
L-2	50144	8-2-89	ALPHA
L-2	52093	8-2-89	ALPHA
L-2	52068	8-2-89	ALPHA
L-2	52061	8-12-89	ALPHA
L-3	38656	9-6-89	ALPHA

All instruments where response checked each day of use. An individual correction factor was calculated for instrument and applied when performing the fixed contamination survey.

Part of the package contains survey information on the pipes near and along the ceiling area. The pipes were grouped according to the ceiling area they are located in. The pipe survey labels correspond to the same areas as the ceiling survey. ie: ceiling location: ccl
pipe location: xxl

Each pipe was labeled starting with the letter "A", and continue upward through the alphabet until all pipes in the designated area have been labeled.



proto-power/bioco nuclear, inc.
440 williams street
new london, ct 06320
(203) 444-2100

Radiological Control Survey Record

LOCATION: Bldg 6 EAST/WEST Passage

REASON FOR SPECIAL SURVEY: Release of passage
For General Access

NO. Page 1 of 23

DATE

9-22-88

TIME

1400

☐ ROUTINE

☒ SPECIAL

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
1	A 5-A Floor			1040	0	1.8	0
2	B			260	0	12	0
3	C			520	0	1.8	2.5
4	A 6-A			520	0	0	0
5	B			520	0	0	0
6	C			520	0	0	0
7	A 7-A			520	0	0	0
8	B			0	0	7	0
9	C			520	0	0	0
10	B 5-A			1040	0	10	0
11	B			1040	0	0	0
12	C			2080	0	0	0
13	B 6-A			520	0	.4	0
14	B			2080	0	0	0
15	C			780	0	0	3
16	B 7-A			260	0	10	0
17	B			0	0	37	0
18	C			260	0		

RADIATION SURVEY

B. γ CONTAMINATION SURVEY

A. CONTAMINATION SURVEY

INST. C-2400

INST/PROBE C-2400

INST. E-120

INST. L-19

S/N N/A

S/N's N/A

SS. 9113

SS. 32871

CAL DUE DATE 9/2/89

CAL DUE DATES 9/2/89

CAL DUE DATE 8/2/89

DAL DUE DATE 8/14/89

EFF. 0.295

EFF. 0.316

BCF 26

BCF N/A

BKG 0.8cpm

BKG 0.1cpm

REMARKS:

All Readings corrected For Background

AIR SAMPLE DATE:

5:07 P-12 4/6/88

9:24 P-12 4/6/88

Surveyor (print name) M. Johnston, D. Johnston

Surveyor (signature) Original Surveys, with Reviewed by RAM Date 10/16/88

Original - Survey File: Canary - Field Ops. - Pink - Job Site Signatures, on file with PPB

A0001747 8/88



pruto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

 Page 2 of 23
 NO.

ITEM NO	ITEMS		DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
			β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
C	5	A FLOOR			1040	0	20	0
		B			260	0	20	0
		C			260	0	3.7	0
C	6	A			520	0	27	0
		B			1040	0	44	6
		C			260	0	24	0
C	7	A			1040	0	37	0
		B			1560	0	10	0
		C			1560	0	13	0
D	5	A			1040	0	10	6
		B			1040	0	27	0
		C			1040	0	34	0
D	6	A			1040	0	10	0
		B			2080	0	4	0
		C			1560	0	.3	3
D	7	A			1040	0	10	0
		B			1560	0	3.7	2.8
		C			260	0	13	0
E	5	A			260	0	20	0
		B			1040	0	.4	0
		C			1560	0	7	0
E	6	A			1040	0	17	3
		B			520	0	7	0
		C			520	0	.4	0
E	7	A			780	0	0	0
		B			1040	0	0	3
		C			520	0	3.8	0
F	5	A			1040	0	0	2.8
		B			260	0	3.8	0
		C			2600	0	0	2.8

Surveyor (print name) M Sebastian, G MarcheseSurveyor (signature) Original Survey's, with SignaturesReviewed by AM-JDate 12-13-88Original - Survey File, Canary - Field Ops, Pink - Job Site on File with PPB



proto-powerbisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 3 of 23
NO

ITEM NO.	ITEMS		DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
			β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
F 6	A	F 100R			260	0	.4	0
	B				260	0	0	0
	C				260	0	0	2.8
F 7	A				0	0	3.8	0
	B				1040	0	0	0
	C				1560	0	0	9.2
G 5	A				1040	0	3.8	0
	B				780	0	0	6.0
	C				1040	0	0	0
G 6	A				520	0	0	2.8
	B				0	0	0	6.0
	C				260	0	0	0
G 7	A				780	0	0	0
	B				1040	0	0	2.8
	C				1560	0	-37	0
H 5	A				1040	0	0	0
	B				520	0	0	2.8
	C				0	0	0	2.8
H 6	A				0	0	0	0
	B				0	0	0	2.8
	C				260	0	.4	0
H 7	A				520	0	0	0
	B				1560	0	.4	0
	C				1040	0	0	0
H 8	A				260	0	0	0
	B				780	0	0	0
	C				520	0	.4	0
H 9	A				1560	0	-3	6.0
	B				1040	0	.3	2.8
	C				780	0	0	0

Surveyor (print name) M. Johnston, G. Marchese, D. JohnstonSurveyor (signature) Original Survey, with Signatures Reviewed by RLM Date 12-13-88

Original - Survey, File, Canals - Fluid Ops, Pink - Job Site or File with PPD

A0001747 5/88



proto-power/fbi/eco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO.	ITEMS		DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
			β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
H 10	A	Floor			780	0	0	0
	B				1040	0	0	0
	C				780	0	0	2.8
H 11	A				1040	0	0	0
	B				520	0	3.8	0
	C				260	0	0	0
H 12	A				520	0	0	0
	B				780	0	3.7	2.8
	C				520	0	0	0
H 13	A				780	0	0	0
	B				1040	0	0	0
	C				2080	0	0	0
H 14	A				260	0	0	0
	B			A A	260	0	0	2.8
	C				520	0	0	0
H 15	A				0	0	.3	2.8
	B				1560	0	.3	2.8
	C				1040	0	0	0
I 4	A				260	0	0	0
	B				0	0	.3	2.8
	C				260	0	0	0
I 5	A				1040	0	0	0
	B				1560	0	.3	6
	C				1040	0	7	0
I 6	A				520	0	0	2.8
	B				0	0	.4	0
	C				0	0	0	0
I 7	A				0	0	.4	0
	B				260	0	.3	2.8
	C				1560	0	0	0

Surveyor (print name) M. Tebas, D. Tebas, G. MarcheseSurveyor (signature) Original Survey, with SignaturesReviewed by [Signature]Date 12-17-88

Original - Survey File, Canary - Field Ops, Pink - Juc Site or File with PPB

A0001747 8/88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 5 of 23
NO.

ITEM NO.	ITEMS		DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
			β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
I 8	A	Floor			0	0	12	0
	B				1040	0	18	0
	C				520	0	8.6	2.5
I 9	A				520	0	0	6
	B				520	0	0	0
	C				520	0	0	0
I 10	A				1040	0	0	2.8
	B				520	0	0	0
	C				1040	0	0	0
I 11	A				260	0	3.8	0
	B				0	0	3.7	0
	C				260	0	0	0
I 12	A				1300	0	0	0
	B				1040	0	3.8	0
	C			NA	520	0	0	2.8
I 13	A				520	0	0	2.8
	B				0	0	0	2.8
	C				780	0	0	0
I 14	A				0	0	3.8	0
	B				520	0	.4	0
	C				1040	0	.4	0
I 15	A				260	0	0	2.8
	B				260	0	0	0
	C				520	0	0	0
J 4	A				1040	0	.4	0
	B				1040	0	0	0
	C				780	0	3.8	0
J 5	A				260	0	0	0
	B				0	0	.4	0
	C				1040	0	.3	2.8

Surveyor (print name) M Johnston, E Marchese

Surveyor (signature) Original Survey with Signatures Reviewed by PM-J Date 12-17-88

Original - Survey File. Canary - Field Ops. Pink - Job Site on file with PPB



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 6 of 13
NO

ITEM NO	ITEMS		DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
			β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
J 6	A	Floor			2080	0	0	0
	B				1560	0	0	0
	C				520	0	.4	0
J 7	A				0	0	0	0
	B				1040	0	7.2	0
	C				1560	0	0	0
J 8	A				520	0	0	2.8
	B				520	0	0	2.8
	C				780	0	0	0
J 9	A				1560	0	0	0
	B				1040	0	0	2.8
	C				260	0	.3	2.8
J 10	A				780	0	.4	0
	B				780	0	0	0
	C				1040	0	0	0
J 11	A				520	0	0	0
	B				520	0	0	0
	C				1040	0	0	0
J 12	A				0	0	0	0
	B				520	0	0	0
	C				1040	0	.4	0
J 13	A				260	0	0	0
	B				260	0	0	6
	C				1040	0	0	3
J 14	A				1040	0	0	0
	B				520	0	0	0
	C				1040	0	.3	2.8
J 15	A				520	0	3.7	2.8
	B				780	0	0	0
	C				0	0	0	0

Surveyor (print name) M. Johnston, G. MarksonSurveyor (signature) Original Survey with SignaturesReviewed by [Signature]Date 12/7/88

Original - Survey File, Canary - Field Ops, Pink - Job Site, or File with PPB

A0001747 B/88



proto-powerbisc nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 7 of 23
NO.

ITEM NO	ITEMS			DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
				β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
J 16	A	Floor				2860	0	10	2.8
	B					1560	0	0	0
	C					2080	0	2.8	0
J 17	A					1040	0	.37	0
	B					260	0	0	2.8
	C					520	0	10	0
J 18	A					1040	0	13	0
	B					0	0	3.8	0
	C					520	0	0	2.8
J 19	A					1040	0	0	2.8
	B					1300	0	0	0
	C					1560	0	10	2.8
K 4	A					780	0	0	2.8
	B					1040	0	.4	0
	C					260	0	0	0
K 5	A					2080	0	2.1	0
	B					780	0	0	2.8
	C					520	0	.4	0
K 6	A					1560	0	3.8	0
	B					260	0	0	0
	C					260	0	0	6
K 7	A					520	0	3.8	0
	B					520	0	0	2.8
	C					1560	0	0	0
K 8	A					520	0	17	2.8
	B					520	0	3.7	6
	C					1040	0	0	2.8
K 9	A					260	0	0	2.8
	B					1040	0	0	6
	C					2080	0	0	0

Surveyor (print name) M. Johnston G. MarcheseSurveyor (signature) Original Survey with Signature Reviewed by PPB Date 12-13-88

Original - Survey File, Canary - Field Ops, Pink - Job Site on File with PPB

A0001747 8/88



proto-powerbisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 8 of 23
NO.

ITEM NO.	ITEMS		DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
			β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
K 10	A	Floor			1300	0	.4	0
	B				780	0	0	0
	C				1300	0	3.8	0
K 11	A				780	0	3.7	2.8
	B				1560	0	3.7	0
	C				1560	0	10	6
K 12	A				520	0	0	0
	B				2340	0	0	0
	C				780	0	0	0
K 13	A				520	0	0	0
	B				520	0	0	2.8
	C				1040	0	3.7	2.8
K 14	A				1600	0	7.1	0
	B				2560	0	0	0
	C				1920	0	0	0
K 15	A				1040	0	0	2.8
	B				780	0	3.8	0
	C				1560	0	0	0
K 16	A				520	0	0	0
	B				780	0	0	0
	C				0	0	.4	
K 17	A				1040	0	44	0
	B				520	0	163	0
	C				0	0	197	2.5
K 18	A				520	0	210	0
	B				780	0	100	2.5
	C				780	0	61	0
K 19	A				260	0	17	0
	B				520	0	39	5.7
	C				260	0	0	0

Surveyor (print name) M. Johnston, G. MarcheseSurveyor (signature) Original Survey with SignatureReviewed by J. M. Jones Date 12-17-88

Original - Survey File, Canary - Field Ops, Pink - Job Site or File with PPB



proto-powerblenco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 9 of 23
NO.

ITEM NO	ITEMS		DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
			β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
A	1	A Lower Walls			0	0	.5	2.5
		B			0	0	7.3	2.5
		C			0	0	3.9	0
A	2	A			260	0	0	0
		B			0	0	0	0
		C			0	0	0	2.5
B	1	A			0	0	0	0
		B			0	0	3.9	0
		C			0	0	0	0
B	2	A			0	0	0	0
		B			0	0	0	2.5
		C			0	0	10	2.5
C	1	A			0	0	0	2.5
		B			520	0	.5	0
		C			0	0	0	0
C	2	A			520	0	0	0
		B			0	0	0	2.5
		C			0	0	0	2.5
D	1	A			0	0	0	0
		B			0	0	0	0
		C			0	0	0	0
D	2	A			0	0	7.3	5.7
		B			0	0	0	2.5
		C			260	0	0	0
E	1	A			520	0	0	0
		B			0	0	0	2.5
		C			0	0	0	0
E	2	A			0	0	0	0
		B			0	0	0	0
		C			0	0	0	0

Surveyor (print name) M Johnston, G MarcheseSurveyor (signature) Original Survey, with SignaturesReviewed by PPBDate 12-13-88

Original - Survey File, Canary - Field Ops, Pink - Job Site on File with PPB

A0001747 8/88



proto-powerbliss nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS		DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
			β mrad/yr	γ mrad/yr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
F	1	A Lower Walls			0	0	0	0
		B			260	0	0	0
		C			0	0	0	0
F	2	A			0	0	0	0
		B			0	0	7.3	0
		C			0	0	0	0
G	1	A			0	0	0	0
		B			0	0	0	0
		C			0	0	0	8.9
G	2	A			0	0	.5	2.5
		B			0	0	0	0
		C			0	0	0	5.7
H	20	A			0	0	0	0
		B			0	0	0	2.5
		C			0	0	14	5.7
H	21	A			520	0	0	0
		B			1300	0	0	0
		C			260	0	0	2.5
I	20	A			0	0	0	2.5
		B			520	0	0	0
		C			0	0	0	2.5
I	21	A			0	0	0	0
		B			0	0	0	0
		C			0	0	.5	0
L	8	A			0	0	.5	5.7
		B			0	0	0	0
		C			0	0	0	0
L	9	A			0	0	0	0
		B			0	0	0	2.5
		C			0	0	3.9	0

Surveyor (print name) Johnston G. MackeySurveyor (signature) Original Survey with SignatureReviewed by J.M. JonesDate 12-13-88

Original - Survey File, Canary - Field Ops., Pink - Job Site or file with PPB



proto-powerbliss nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 11 of 23
NO.

ITEM NO	ITEMS		DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
			β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
L	10	A Lower Walls			0	0	0	0
		B			520	0	0	0
		C			780	0	.5	0
L	11	A			0	0	.5	2.5
		B			0	0	0	0
		C			0	0	0	2.5
L	12	A			780	0	0	5.7
		B			1560	0	0	0
		C			0	0	0	0
L	13	A			0	0	0	0
		B			0	0	.5	2.5
		C			0	0	0	2.5
L	14	A			0	0	0	0
		B			0	0	0	0
		C			0	0	.5	0
L	15	A			520	0	0	5.7
		B			520	0	0	2.5
		C			260	0	0	0
M	8	A			0	0	0	2.5
		B			0	0	0	2.5
		C			0	0	0	2.5
M	9	A			0	0	0	2.5
		B			0	0	0	0
		C			0	0	0	0
M	10	A			0	0	0	0
		B			0	0	0	0
		C			0	0	0	0
M	11	A			260	0	.5	0
		B			260	0	0	0
		C			0	0	.5	0

Surveyor (print name) M. J. Foster, G. MackeySurveyor (signature) Original Survey, with signaturesReviewed by ppbDate 12-11-88Original - Survey File, Canary - Field Ops., Pink - Job Site on file with PPB

A0001747 8/88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

 Page 12 of 23
 NO.

ITEM NO	ITEMS		DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
			β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
M 12	1	Lower Wall			1560	0	0	2.5
	B				1040	0	0	0
	C				0	0	0	0
M 13	A				780	0	0	2.5
	B				260	0	0	0
	C				0	0	0	0
M 14	A				0	0	0	0
	B				0	0	0	2.5
	C				0	0	0	0
M 15	A				0	0	3.9	0
	B				0	0	0	N/A
	C				0	0	0	0
1 Pole	A	Pole			0	0	0	2.5
	B				0	0	0	0
	C				0	0	0	2.5
2 Pole	A				0	0	0	2.5
	B				0	0	.5	2.5
	C				0	0	0	0
N/A								
N/A								

Surveyor (print name) M. Sebastian, G. MarcheseSurveyor (signature) Original Survey, with Signatures Reviewed by RAH Date 12-14-88Original - Survey File, Canary - Field Ops, Pink - Job Site on file with PPB



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 13 of 23
NO.

ITEM NO	ITEMS		DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
			β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
S 1	A	upper walls			0	0	143	2.8
	B				0	0	187	0
	C				0	0	136	2.8
S 2	A				0	0	112	0
	B				210	0	105	2.8
	C				0	0	126	9.2
S 3	A				0	0	61	0
	B				0	0	58	2.8
	C				0	0	37	0
S 4	A				0	0	27	0
	B				210	0	37	0
	C				0	0	27	0
W 1	A				0	0	0	0
	B				210	0	31	2.8
	C				0	0	.7	2.8
W 2	A				0	0	14	0
	B				0	0	10	6
	C				0	0	17	0
W 4	A				0	0	17	6
	B				210	0	17	2.8
	C				0	0	14	0
W 5	A				0	0	10	0
	B				0	0	17	0
	C				0	0	7.5	0
N 1	A				0	0	14	0
	B				210	0	34	2.8
	C				0	0	34	2.8
N 2	A				0	0	34	2.8
	B				0	0	34	0
	C				0	0	24	9.2

Surveyor (print name) M Johnston, G. MarsheseSurveyor (signature) Original Survey, with SignaturesReviewed by PHMDate 12-13-80Original - Survey File, Canary - Field Ops, Pink - Job Site on File with PPB



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS		DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
			β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
N 3	A	upper walls			0	0	37	6
	B				210	0	24	0
	C				0	0	7.4	2.8
N 4	A				0	0	4	2.8
	B				0	0	27	2.8
	C				210	0	7.5	0
N 5	A				0	0	14	0
	B				0	0	37	2.8
	C				0	0	10	6.0
N 6	A				0	0	4.1	0
	B				210	0	21	0
	C				210	0	4	2.8
E W 2	A				0	0	4	2.8
	B				210	0	7.5	0
	C			N/A	0	0	17	0
E W 3	A				0	0	21	0
	B				0	0	92	12
	C				210	0	.6	2.8
E W 4	A				210	0	14	0
	B				0	0	4	0
	C				0	0	7.5	0
CC 1	A	Ceiling			0	0	17	2.8
	B				0	0	10	2.8
	C				210	0	7.5	0
CC 2	A				0	0	10	0
	B				0	0	17	0
	C				0	0	4	0
CC 3	A				0	0	14	0
	B				0	0	17	0
	C				0	0	4	0

Surveyor (print name) G. Marchese, M. JankovicSurveyor (signature) Original Survey, with Signature,Reviewed by JAM-Jankovic Date 12-14-88

Original - Survey File, Canary - Field Ops, Pink - Job Site on file with PPB

A0001747 8/88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrads/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
C C 4	A Ceiling			0	0	14	6
	B			210	0	4	6
	C			0	0	14	0
C C 5	A			0	0	10	0
	B			210	0	14	0
	C			0	0	10	0
C C 6	A			0	0	17	2.8
	B			0	0	4	0
	C			210	0	0	0
C C 7	A			0	0	.7	0
	B			0	0	7	0
	C			0	0	4	0
C C 8	A			210	0	.7	0
	B			0	0	14	0
	C			0	0	2.5	0
C C 9	A			0	0	4	0
	B			0	0	17	0
	C			0	0	20	2.8
C C 10	A			0	0	20	2.8
	B			210	0	4	0
	C			0	0	7	2.8
C C 11	A			0	0	21	0
	B			0	0	7	0
	C			210	0	17	2.8
C C 12	A			0	0	7	0
	B			0	0	7	2.8
	C			0	0	4	0
C C 13	A			210	0	21	0
	B			0	0	24	0
	C			0	0	.7	2.8

Surveyor (print name) G. Marchese, M. JohnstonSurveyor (signature) Original Survey, with Signature,Original - Survey File. Canary - Field Ops. Pink - Job Site on file with PPBReviewed by flm-j Date 12-14-88

A0001747 8/88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
X	C 1 A Piping			0	0	61	2.8
	B			210	0	14	0
	C			0	0	24	0
	D			0	0	24	9.2
	E			0	0	24	0
	F			210	0	21	0
	G			0	0	44	2.8
	H			210	0	27	2.8
	I			210	0	7	2.8
	J			0	0	27	6
X	C 2 A			0	0	34	2.8
	B			0	0	17	6
	C			0	0	10	0
	D			0	0	17	0
	E			0	0	37	9
	F			210	0	34	2.8
	G			0	0	17	2.8
	H			0	0	27	0
	I			210	0	27	0
	J			0	0	24	2.8
X	C 3 A			0	0	14	2.8
	B			0	0	21	0
	C			0	0	58	9.2
	D			0	0	27	0
	E			0	0	78	2.8
	F			210	0	.7	0
	G			210	0	34	2.8
	H			0	0	81	6
	I			0	0	27	0
	J			210	0	37	2.8
	K			0	0	10	9

Surveyor (print name) M Johnston, G MarcheseSurveyor (signature) Original Survey with SignaturesReviewed by PPB Date 12/14/88

Original - Survey File, Canary - Field Ops, Pink - Job Site on file with PPB

A0001747 B/88



proto-powerbliss nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
X	C 4 A Piping			0	0	10	0
	B			0	0	10	0
	C			0	0	10	0
	D			210	0	14	2.8
	E			0	0	4	6
	F			0	0	4	0
	G			0	0	20	6
	H			0	0	34	0
	I			210	0	31	12
	J			210	0	17	0
	K			0	0	34	9
X	C 5 A			0	0	17	6
	B			210	0	17	9
	C			0	0	.6	6
X	C 6 A			0	0	88	6
	B			0	0	37	2.8
	C			210	0	68	2.8
	D			210	0	14	0
	E			0	0	24	2.8
	F			0	0	7	0
	G			0	0	4	0
X	C 7 A			0	0	14	6
X	C 8 A			0	0	7	2.8
	B			0	0	14	2.8
	C			210	0	.6	2.8
	D			210	0	20	6
	E			0	0	.7	0
	F			0	0	31	6
	G			0	0	34	2.8
	N/A			N/A	N/A	N/A	N/A

Surveyor (print name) G. Marchese, M. Johnston

Surveyor (signature) Original Survey with Signature

Reviewed by [Signature]

Date 12-14-88

Original - Survey File; Canary - Field Ops; Pink - Job Site on File with PPB

A0001747 8/88



proto-powerbliscu nuclear, inc.

Radiological Control Survey Record
Continuation SheetPage 18 of 23
NO.

ITEM NO	ITEMS		DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
			β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
X	C 9	A Piping			0	0	17	2.8
		B			0	0	27	6
		C			0	0	24	6
		D			210	0	.6	2.8
		E			0	0	64	15
		F			0	0	65	0
		G			210	0	51	0
		H			210	0	10	0
		I			210	0	27	0
		J			0	0	34	6
		K			0	0	31	0
		L			0	0	17	0
		M			0	0	4	0
		N		N/A	210	0	10	0
		O			0	0	17	2.8
		P			0	0	37	0
X	C 10	A			0	0	7	0
		B			0	0	7	2.8
		C			0	0	14	0
		D			210	0	7	0
		E			210	0	14	0
		F			0	0	.7	0
		G			210	0	20	2.8
		H			210	0	7	0
		I			0	0	27	2.8
		J			0	0	.6	2.8
		K			0	0	4	0
		L			0	0	14	2.8
		M			210	0	24	2.8
		N			0	0	21	0
		O			0	0	44	2.8

Surveyor (print name) G. Marchese, M. TabasSurveyor (signature) Original Survey with Signatures Reviewed by PPB Date 12-14-88

Original: Survey File, Canary, Field Ops, Pink, Job Site or File with PPB



proto-power/blade nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS		DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
			β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
X	C	10 P	Piping		210	0	6	6
X	C	11 A			0	0	17	2.8
		B			0	0	37	6
		C			0	0	17	2.8
		D			210	0	27	9.2
		E			0	0	10	0
		F			210	0	14	9.2
		G			210	0	10	6
		H			0	0	14	6
		I			0	0	10	2.8
X	C	12 A	NA		0	0	37	0
		B			0	0	27	2.8
		C			210	0	24	0
		D			0	0	17	0
		E			0	0	14	0
		F			0	0	41	2.8
		G			0	0	25	0
		H			210	0	7	6
		I			210	0	4	0
		J			210	0	34	2.8
		K			0	0	4	0
X	C	13 A	NA		0	0	27	6
		B			0	0	41	9
		C			210	0	10	2.8
		D			210	0	10	0
		E			210	0	7	0
		F			0	0	20	2.8
			NA		NA		NA	
			NA		NA		NA	

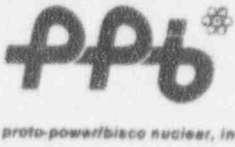
Surveyor (print name) G. Marchese, M. Johnson

Surveyor (signature) Original Survey, with Signatures

Reviewed by PPB

Date 12-14-88

Original - Survey File, Canary - Field Ops, Pink - Job Site on file with PPB

Radiological Control Survey Record
Continuation SheetPage 20 of 23

NO

5

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	$\mu\gamma$ mR/hr	β dpm/100cm ²	γ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
CC1	FLOOR G/A @ 18"		0				
CC2			0				
CC3			0				
CC4			1.0				
CC5			1.0				
CC6			1.0				
CC7		N	.5	N			
CC8		A	.5	A			
CC9			.5				
CC10			.5				
CC11			1.0				
CC12			1.0				
CC13			1.5				
BKGD = 4.5 μ R/hr ALL READINGS CORRECTED FOR BKGD							
N/A							

Surveyor (print name) M. JOHNSTON / G. MARCHESE

Surveyor (signature) M. Smith / G. Smith

Reviewed by R. H. M. J. Date 9-26-58

TO
PFD
OFFICE

N

KILN
ROOM

AREA OF
SCOPE

BARREL
STORAGE

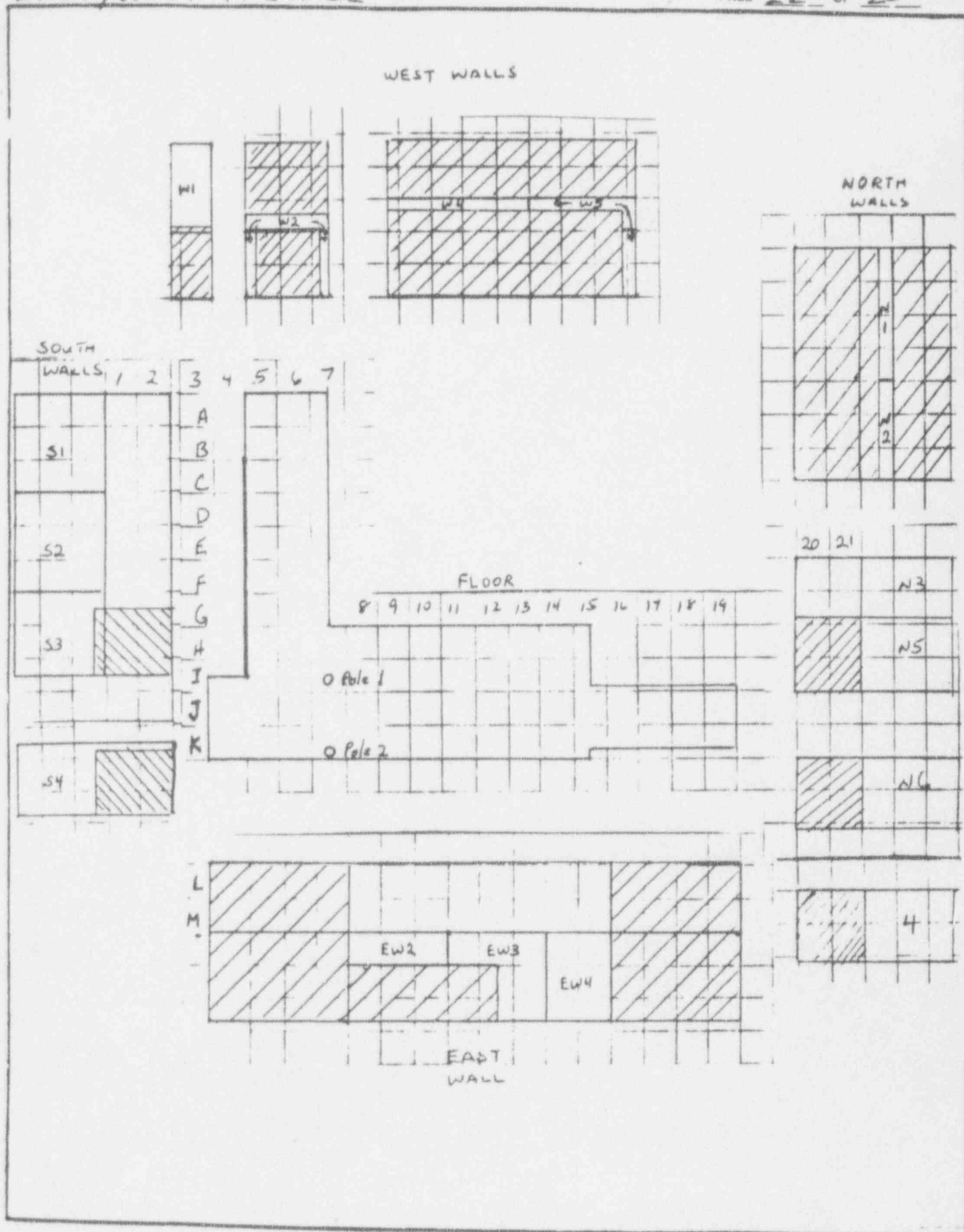
STORAGE
ROOM

ELEV

TO
LOADING
DOCK

DATE
TIME

SURVEYOR (PRINT NAME)
SURVEYOR (SIGNATURE)

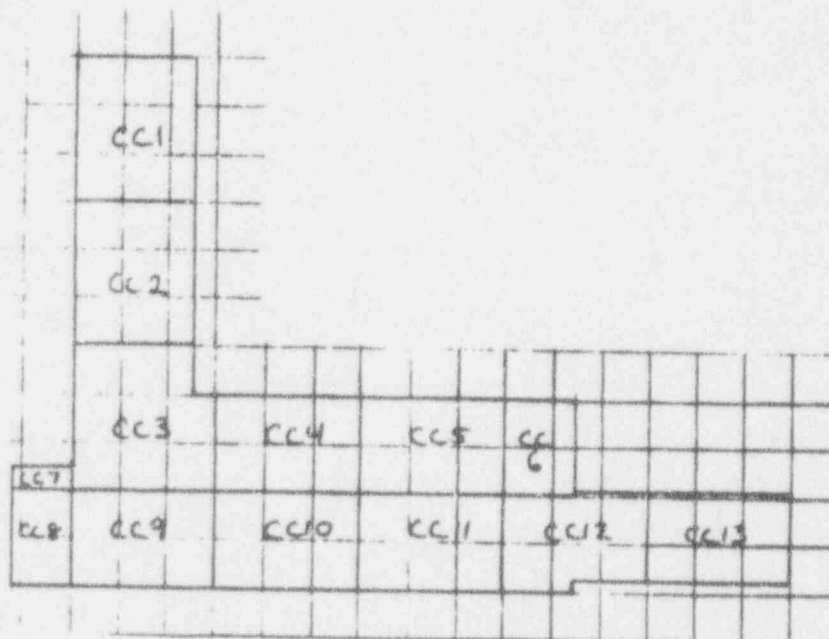


GRID MAP

DATE 9-22-88

SURVEYOR (PRINT NAME) M. Johnston, G. Marchese

TIME 1400

CEILING AND DOSE RATE SURVEY

NOTE: Piping Smears of pipes in above areas
 Denoted By x prefix (e.g. XC1A LOCATED
 IN CC1. XC5B LOCATED IN CC5

FOR
 DOSE RATE SURVEY

GRID MAP

DATE 9-22-88

TIME 1400

SURVEYOR (PRINT NAME) M. JOHNSTON / G. MARCHESI

SURVEYOR (SIGNATURE)



proto-powerbisco nuclear, inc.
440 williams street
new london, ct 06320
(203) 444-2100

Rev 0

Radiological Control Survey Record

LOCATION: BLDG. #6 NORTH/SOUTH PASSAGE

REASON FOR SPECIAL SURVEY: RELEASE OF PASSAGE

FOR GENERAL ACCESS

NO

Page 1 of 25

DATE

9.23.88

TIME

1000

☐ ROUTINE

☒ SPECIAL

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMearable CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	γ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
1	C1 A FLOOR			1500	0	1.8	2.5
2	B			1000	0	1.8	0
3	C			1500	57	18	0
4	C2 A			1500	0	3.9	0
5	B			2000	57	0	12
6	C			2000	0	7.3	0
7	C3 A			1000	0	0	2.5
8	B			1000	0	3.9	0
9	C			1500	0	0	0
10	C4 A			1500	0	0	0
11	B			1000	0	0	0
12	C			1000	0	0	0
13	C5 A			1250	0	0	2.5
14	B			1250	0	0	2.5
15	C			2000	0	5.4	0
16	C6 A			2250	0	7.3	0
17	B			2500	0	10	2.5
18	C			2000	0	7.2	2.5

RADIATION SURVEY

B. γ CONTAMINATION SURVEY

α CONTAMINATION SURVEY

INST. C2464

INST/PROBE C2464

INST L-MCD-3

INST L-19-

S/N N/A

S/N's N/A

SS. 49892

SS. 32871

CAL DUE DATE 9.7.89

CAL DUE DATES 9.7.89

CAL DUE DATE 11.23.88

DAL DUE DATE 8.16.89

EFF 29.5

EFF 31.6

BCF 25

BCF 5 μ R/hr

BKG 1.29 cpm

BKG .15 cpm

REMARKS:

AIR SAMPLE DATE:

L-2 SC#52093 CAL DUE 8-15-89 CF=11

11/10

Surveyor (print name): G. MARCHESE / D. THINSTON / M. THINSTON

Surveyor (signature): ORIGINAL SURVEY WITH SIGNATURE Reviewed by [Signature]

Date 1.11.89

Original - Survey File, Canby, Field Ops, Pink, Job Site

A0001747 8/88



proto-power/blacc nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 2 of 25
NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
C7	A FLOOR			1250	0	17	0
	B			1500	0	3.9	0
	C			1000	0	14	0
C8	A			2000	0	3.8	8.8
	B			1500	0	20	0
	C			1500	0	10	2.5
C9	A			2000	0	10	5.6
	B			2500	0	20	12
	C			1500	0	7.3	0
C10	A			1500	0	3.9	2.5
	B			1750	0	5.4	0
	C			1500	0	0	5.6
C11	A			1250	0	0	0
	B			1000	0	0	0
	C			1000	0	5.1	2.5
C12	A			1000	0	14	2.5
	B			750	0	14	2.5
	C			750	0	17	12
C13	A			1250	0	3.9	2.5
	B			750	0	30	8.8
	C			1250	0	10	0
C14	A			1000	0	10	2.5
	B			1000	0	27	2.5
	C			1000	0	20	8.8
C15	A			1500	0	51	8.8
	B			1000	0	30	5.6
	C			1000	57	0	0
C16	A			1500	0	0	2.5
	B			1500	0	0	2.5
	C			1000	0	540	540

Surveyor (print name) D. J. HUNTER / C. MARCHESESurveyor (signature) ORIGINAL SURVEY WITH SIGNATURES Reviewed by [Signature] Date 12-13-88Original - Survey File: Canary - Field Ops. - Pink - Job Site
CN FILE WITH PPB.



proto-power/blaze nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 3 of 25
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
C17	A FLOOR			1000	0	0	0
	B			500	57	0	2.5
	C			1000	0	0	2.5
C18	A			750	0	0	0
	B			750	0	0	0
	C			1000	0	0	0
D1	A			750	0	17	0
	B			750	0	7.2	2.5
	C			1000	0	.51	2.5
D2	A			750	0	14	8.8
	B			750	0	7.3	0
	C			1500	0	14	2.5
D3	A			500	0	0	0
	B			1000	0	0	0
	C			1500	0	7.3	0
D4	A			500	0	7.2	2.5
	B			500	0	3.9	0
	C			750	0	0	0
D5	A			750	0	14	0
	B			1000	0	0	2.5
	C			1250	0	27	8.8
D6	A			1250	0	24	0
	B			500	0	0	0
	C			1000	0	14	5.6
D7	A			1000	0	20	0
	B			1250	0	27	2.5
	C			1250	0	20	12
D8	A			1000	0	24	15
	B			1000	0	24	2.5
	C			750	0	17	8.8

Surveyor (print name) G. MARCHESE / D. JOHNSTONSurveyor (signature) ORIGINAL SURVEY WITH SIGNATURES Reviewed by RAM Date 12-16-88Original - Survey File: Canary, Field Ops, Pink - Job Site
ON FILE WITH PPB.



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
D9	A FLOOR			1000	0	37	12
	B			1000	0	14	2.5
	C			750	0	17	2.5
D10	A			1500	0	24	5.6
	B			1750	0	30	12
	C			1750	0	17	5.6
D11	A			1500	0	14	5.6
	B			1250	0	0	2.5
	C			1500	0	7.2	2.5
D12	A			1000	0	47	2.5
	B			1000	0	0	2.5
	C			1500	0	3.9	2.5
D13	A			1500	57	7.2	2.5
	B			2000	0	14	5.6
	C			1500	0	14	0
D14	A			1500	57	7.1	12
	B			2000	57	0	0
	C			2000	57	0	0
D15	A			1250	57	.54	0
	B			1250	57	10	2.5
	C			2000	0	0	0
D16	A			1250	57	0	0
	B			1000	0	.51	2.5
	C			1000	0	0	0
D17	A			1250	0	0	0
	B			1000	0	20	2.5
	C			1000	0	0	0
D18	A			1000	0	0	0
	B			1250	0	0	0
	C			1250	0	0	0

Surveyor (print name) G. MARCHESE / D. TWINSTON

Surveyor (signature) ORIGINAL SURVEY WITH SIGNATURES

Reviewed by RAJ

Date 12-3-88

Original - Survey File, Canary - Field Ops, Pink - Job Site

A0001747 8/88



proto-powerbliss nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
E1	A FLOOR			1500	0	11	2.5
	B			1000	0	0	2.5
	C			1000	0	18	0
E2	A			750	0	20	0
	B			1000	0	20	0
	C			1000	0	.51	2.5
E3	A			1000	0	0	0
	B			1000	0	0	5.6
	C			1250	0	.54	0
E4	A			1250	0	0	5.6
	B			750	0	0	5.6
	C			750	0	0	2.5
E5	A			1000	0	0	2.5
	B			750	0	0	0
	C			750	0	0	2.5
E6	A			1000	0	.44	8.8
	B			1500	0	10	2.5
	C			1500	0	.48	5.6
E7	A			1500	0	.54	0
	B			1000	0	0	5.6
	C			1500	0	0	0
E8	A			750	0	7.3	0
	B			1000	0	3.9	0
	C			1000	0	10	2.5
E9	A			1000	0	0	2.5
	B			750	0	.54	0
	C			750	0	3.9	0
E10	A			500	0	.51	2.5
	B			500	0	10	0
	C			750	0	.44	8.8

Surveyor (print name) G. MURCHESE / D. J. WINSTONSurveyor (signature) ORIGINAL SURVEY WITH SIGNATURES Reviewed by AAJ Date 12-14-88

Original - Survey File, Canary - Field Ops, Pink - Job Site PPB.

A0001747 8/88



proto-power/blasco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 6 of 25
NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
E11	A FLOOR			500	0	3.9	0
	B			500	0	7.2	2.5
	C			500	0	10	0
E12	A			750	0	10	0
	B			1000	0	0	0
	C			1000	0	.54	0
E13	A			1000	0	0	0
	B			750	0	.54	0
	C			750	0	0	0
E14	A			750	0	3.9	2.5
	B			1000	57	.51	2.5
	C			1000	114	24	2.5
E15	A			1000	57	.51	2.5
	B			750	57	3.9	2.5
	C			750	0	.48	5.6
E16	A			1000	57	0	18
	B			1250	57	0	2.5
	C			1250	57	0	2.5
E17	A			1000	0	0	0
	B			1000	0	0	5.6
	C			1000	0	0	5.6
E18	A			750	0	0	2.5
	B			1000	0	7.2	2.5
	C			1000	0	0	0
F1	A			1000	0	.54	0
	B			1000	0	.54	0
	C			1500	0	3.9	0
F2	A			1000	0	7.2	5.6
	B			500	0	3.9	0
	C			1000	0	0	0

Surveyor (print name) C. MARCHESE / D. JOHNSTON

Surveyor (signature) ORIGINAL SURVEY WITH SIGNATURES Reviewed by [Signature] Date 4-11-88

Original - Survey File, Canary, Field Ops, Pink, Job Site



proto-power/biose nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 7 of 25
NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
F3	A FLOOR			1000	XO	0	0
	B			166	0	0	0
	C			166	0	.54	0
F4	A			2000	0	0	0
	B			2000	0	0	2.5
	C			1500	0	0	2.5
F5	A			1500	0	0	0
	B			1500	0	7.2	2.5
	C			1250	0	3.9	0
F6	A			2000	0	0	0
	B			1250	0	.54	0
	C			1750	0	0	2.5
F7	A			1500	0	14	0
	B			1500	0	0	2.5
	C			1000	0	3.9	2.5
F8	A			1500	0	.51	2.5
	B			1750	0	3.8	8.8
	C			1250	0	0	2.5
F9	A			1250	0	10	2.5
	B			1000	0	.51	2.5
	C			1000	0	.54	0
F10	A			1250	0	10	0
	B			1250	0	.54	0
	C			1250	0	0	2.5
F11	A			1000	57	3.9	0
	B			1000	0	0	0
	C			500	0	0	2.5
F12	A			1000	0	0	2.5
	B			1000	0	7.2	8.8
	C			1000	0	.54	0

Surveyor (print name) G. MARCHESE / D. JOHNSTON

Surveyor (signature) ORIGINAL SURVEY WITH SIGNATURES

Reviewed by [Signature] Date 1-16-88

Original - Survey File - Canary - Field Ops. - Pink - Job Site

A0001747 B/88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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 NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
F13	A FLOOR			1000	57	7.3	0
	B			500	0	3.9	0
	C			500	0	3.8	5.6
F14	A			750	0	0	0
	B			500	0	0	2.5
	C			750	0	3.9	0
F15	A			750	57	.54	0
	B			750	0	3.9	2.5
	C			1000	0	0	0
F16	A			750	0	0	2.5
	B			1000	0	.54	0
	C			1000	0	0	0
F17	A			1000	0	0	0
	B			500	0	0	0
	C			1500	0	0	0
F18	A			1000	0	0	0
	B			1500	0	7.3	0
	C			500	0	.54	0
G1	A			1000	0	0	0
	B			1000	0	3.9	0
	C			1250	0	.51	2.5
G2	A			1250	0	.54	0
	B			1250	0	8.61	0
	C			1000	0	10	5.6
G3	A			1100	0	0	0
	B			1000	0	3.9	0
	C			750	0	3.9	0
H1	A			1000	0	3.9	0
	B			1500	0	0	0
	C			1000	0	7.3	0

 Surveyor (print name) G. MARCHESE / D. JOHNSTON

 Surveyor (signature) ORIGINAL SURVEY WITH SIGNATURES Reviewed by PPB

 Date 12-1-88

Original - Survey File, Canary - Field Ops, Pink - Job Site

A0001747 B/88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
H2	A FLOOR			1000	0	.54	0
	B			1500	0	.54	0
	C			1000	0	0	0
	LOWER WALL						
A1	A			250	0	0	0
	B			250	0	0	0
	C			0	0	0	0
A2	A			250	0	0	2.5
	B			0	0	.54	0
	C			0	0	0	0
A3	A			0	0	0	0
	B			0	0	.51	2.5
	C			250	0	0	0
A4	A			250	57	0	2.5
	B			250	0	0	0
	C			0	0	0	0
A5	A			250	0	0	2.5
	B			250	0	0	0
	C			0	0	0	2.5
A6	A			250	0	14	2.5
	B			250	0	3.9	2.5
	C			250	0	0	0
A7	A			500	0	0	0
	B			250	0	0	0
	C			250	0	3.9	2.5
A8	A			0	0	0	0
	B			250	0	0	2.5
	C			250	0	.54	0

Surveyor (print name) G. MARCHESE / D. TUNNISONSurveyor (signature) ORIGINAL SURVEY WITH SIGNATURES Reviewed by PAJ Date 11-11-88

Original - Survey File, Canary - Field Ops, Pink - Job Site

A0001747 8/88



proto-power/biseco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
A9	A LOWER WALL			0	0	0	0
	B			0	0	0	5.6
	C			0	0	.54	0
A10	A			250	57	3.9	0
	B			250	0	0	0
	C			0	0	14	0
A11	A			250	0	0	0
	B			250	0	0	0
	C			250	0	0	0
A12	A			250	0	0	0
	B			0	0	0	2.5
	C			250	0	0	2.5
A13	A			250	0	0	0
	B			250	0	0	0
	C			0	0	0	0
A14	A			0	0	0	2.5
	B			0	0	0	0
	C			250	0	.54	0
A15	A			250	0	3.9	0
	B			250	0	0	0
	C			0	0	0	0
A16	A			250	0	0	0
	B			250	0	0	0
	C			250	0	0	0
B1	A			500	0	0	0
	B			250	57	0	0
	C			250	0	7.2	2.5
P2	A			250	0	0	0
	B			250	0	0	0
	C			250	0	0	0

Surveyor (print name) G. MARCHESE / D. JOHNSTONSurveyor (signature) ORIGINAL SURVEY WITH SIGNATURES Reviewed by [Signature] Date 12-11-88Original - Survey File, Canary - Field Ops, Pink - Job Site
ON FILE WITH PPB.



proto-power/bischo nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
B3	A LOWER WALL			250	0	0	0
	B			250	57	0	0
	C			500	0	0	0
B4	A			500	0	0	0
	B			250	0	7.3	0
	C			500	0	7.2	5.6
B5	A			250	0	3.9	2.5
	B			0	0	0	0
	C			250	0	0	2.5
B6	A			250	0	0	0
	B			250	0	3.8	5.6
	C			250	0	0	5.6
B7	A			500	0	0	0
	B			250	0	0	0
	C			500	0	7.2	2.5
B8	A			250	57	0	2.5
	B			0	0	10	0
	C			250	0	0	0
B9	A			250	0	0	0
	B			250	0	0	0
	C			500	0	24	8.8
B10	A			250	0	24	5.6
	B			0	0	7.2	2.5
	C			250	0	51	2.5
B11	A			500	0	7.2	5.6
	B			250	0	10	0
	C			500	0	0	0
B12	A			500	0	0	0
	B			250	57	0	5.6
	C			250	0	0	0

Surveyor (print name) G. MARCHESE / D. JOHNSTON
 Surveyor (signature) ORIGINAL SURVEY WITH SIGNATURES Reviewed by MA-J Date 12-11-88
 Original - Survey File, Canally Field Ops, Pink Job Site



proto-power/blec nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/yr	γ mR/yr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
B13	A LOWER WALL			250	0	3.9	2.5
	B			500	0	3.9	2.5
	C			250	0	5.1	2.5
B14	A			250	0	24	5.6
	B			250	0	0	5.6
	C			500	0	3.9	0
B15	A			500	57	0	0
	B			250	57	0	5.6
	C			0	0	17	0
B16	A			250	0	3.9	0
	B			500	0	0	8.8
	C			500	0	3.8	5.6
I3	A			0	0	0	0
	B			0	0	10	2.5
	C			250	0	0	0
I4	A			0	0	64	2.8
	B			0	0	4.0	0
	C			0	0	31	0
I5	A			250	0	68	0
	B			250	0	92	2.8
	C			0	0	139	0
I6	A			0	0	102	0
	B			250	0	75	2.8
	C			0	0	75	2.8
I7	A			250	0	98	0
	B			250	0	88	0
	C			0	0	85	0
I8	A			250	0	88	2.8
	B			250	0	71	2.8
	C			0	0	61	0

Surveyor (print name) G. MARCHESE / D. JOHNSTONSurveyor (signature) ORIGINAL SURVEY WITH SIGNATURE Reviewed by AMJ Date 12-16-88

Original - Survey File - Canby - Field Ops - Pink - Job Site

A0001747 B/88



proto-powerblase nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
I9	A LOWER WALL			0	0	82	0
	B			0	0	82	2.8
	C			250	0	85	0
I10	A			250	0	82	0
	B			250	0	82	0
	C			250	0	41	0
I11	A			0	0	44	0
	B			0	0	65	0
	C			0	0	54	0
I15	A			250	0	54	0
	B			0	0	44	2.8
	C			0	0	54	2.8
J3	A			250	0	54	0
	B			250	0	58	0
	C			0	0	37	0
J4	A			0	0	37	0
	B			0	0	27	0
	C			250	0	27	0
J5	A			0	0	31	0
	B			0	57	27	6.0
	C			250	0	65	6.0
J6	A			250	0	17	2.8
	B			0	0	34	2.8
	C			250	0	14	0
J7	A			250	0	27	0
	B			0	57	34	0
	C			250	0	27	0
J8	A			250	0	24	9.1
	B			0	0	21	0
	C			0	0	21	0

Surveyor (print name) G. MARCHESE / D. TUNNISTONSurveyor (signature) ORIGINAL SURVEY WITH SIGNATURES

Original: Surv. File, Canary, Field Ops, Pink, Job Site

Reviewed by PPBDate 12-1-88



proto-power/bioco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
J9	A LOWER WALL			250	0	41	6.0
	B			250	0	7.4	0
	C			250	0	10	0
J10	A			250	0	17	0
	B			0	0	4.0	0
	C			250	0	17	0
J11	A			250	0	21	0
	B			0	0	17	0
	C			0	0	10	0
J15	A			0	0	21	0
	B			0	0	7.4	0
	C			0	0	34	2.8
SC1	A			0	0	24	0
	B			0	0	37	6.0
	C			250	0	7.4	0
SC2	A			0	0	17	0
	B			0	0	10	2.8
	C			0	0	4.0	0
SD1	A			250	0	14	0
	B			250	0	4.0	2.8
	C			0	0	14	2.8
SD2	A			0	0	10	0
	B			0	0	10	6.0
	C			0	0	7.4	0
SE1	A			250	0	10	0
	B			250	0	37	0
	C			0	0	4.0	0
SE2	A			250	0	14	0
	B			0	0	17	0
	C			0	0	21	0

Surveyor (print name) G. MARCHESE / D. JONASTON

Surveyor (signature) CRIPINAL SURVEY WITH SIGNATURES

Reviewed by [Signature]

Date 12-1-88

Original - Survey File, Canary - Field Ops, Pink - Job Site

A0001747 8/88



proto-power/blanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
CC1	A CEILING			250	C	14	2.8
	B			25	C	7.4	0
	C			C		4.0	0
CC2	A			C		.67	0
	B			250		4.0	0
	C			250	C	4.0	0
CC3	A			250	0	0	2.8
	B			0	0	14	0
	C			0	0	14	0
CC4	A			250	C	7.4	0
	B			250	0	10	0
	C			250	0	7.4	0
CC5	A			0	0	10	2.8
	B		N/A	250	0	61	0
	C			250	0	.67	0
CC6	A			0	0	7.4	0
	B			0	0	4.0	0
	C			0	0	0	0
CC7	A			0	0	.67	0
	B			250	0	7.4	2.8
	C			0	0	10	0
CC8	A			0	0	27	0
	B			0	0	14	0
	C			250	0	4.0	0
CC9	A			0	0	4.0	2.8
	B			0	0	7.4	0
	C			0	0	14	0
CC10	A			0	0	10	2.8
	B			250		.67	0
	C			250	0	10	0

Surveyor (print name) G. MARCHESE / D. JOHNSONSurveyor (signature) CRIMINAL SURVEY ON FILE WITHReviewed by [Signature]Date 12-19-88

Original - Survey File, Canby - Field Ops, Pink - Job Site

A0001747 8/88



proto-powerbisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
CC1A	CEILING			0	0	14	0
	B			0	0	67	0
	C			256	0	14	2.8
CC2A				250	0	27	0
	B			250	0	4.0	0
	C			500	0	14	6.0
EW1	UPPER WALL			250	0	4.0	0
	B			250	0	17	0
	C			0	0	48	2.8
EW2				0	0	17	0
	B			250	0	14	0
	C			0	0	7.4	2.8
EW3				0	0	10	0
	B			0	0	4.0	6.0
	C			0	0	37	6.0
EW4				0	0	21	0
	B			0	0	7.4	0
	C			0	0	31	0
EW5				0	0	10	0
	B			0	0	7.4	0
	C			0	0	24	0
EW6				250	0	14	0
	B			250	0	17	0
	C			0	0	10	0
W1				0	0	17	2.8
	B			250	0	31	6.0
	C			250	0	24	2.8
W2				250	0	21	0
	B			0	0	31	0
	C			0	0	14	0

Surveyor (print name) G. MARCHESE / D. J. LINSTONSurveyor (signature) ORIGINAL SURVEY WITH SIGNATURES Reviewed by [Signature] Date 12-19-88

Original - Survey File: Canary - Field Ops - Pink - Job Site

A0001747 8/88



proto-powerblaze nuclear, inc.

Radiological Control Survey Record Continuation Sheet

 Page 18 of 25
 NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
W3	A UPPER WALL			0	0	27	2.8
	B			250	0	17	0
	C			250	0	27	2.8
W4	A			0	0	14	2.8
	B			0	0	4.0	0
	C			0	0	24	6.0
W5	A			250	0	7.4	2.8
	B			250	0	17	2.8
	C			0	0	4.0	0
N1	A			0	0	34	2.8
	B			250	0	27	0
	C			500	0	17	2.8
N2	A			0	0	21	0
	B			250	0	21	0
	C			250	0	7.4	0
S1	A			250	0	51	2.8
	B			250	0	54	0
	C			0	0	71	2.8
S2	A			250	0	61	6.0
	B			250	0	31	0
	C			250	0	34	6.0
X01	A PIPING			250	0	31	7.1
	B			250	0	46	0
	C			250	0	20	2.8
	D			0	0	27	0
	E			250	0	34	2.8
	F			250	0	27	0
	G			250	0	17	2.8
	H			0	0	24	0
X02	A			0	0	27	6.0
	B			0	0	27	0

 Surveyor (print name) G. MARCHESE / D. JOHNSTON

 Surveyor (signature) ORIGINAL SURVEY WITH SIGNATURES

Original - Survey File - Canally - Piping - JDO Site

 Reviewed by [Signature]

 Date 12-20-88



proto-powerblisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 19 of 25
NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
XC2	C PIPING			0	0	34	0
	D			250	0	4.0	0
	E			250	0	14	2.8
	F			0	0	24	6.0
	G			0	0	0	2.8
	H			0	0	14	2.8
	I			0	0	17	0
	J			250	0	34	2.8
	K			250	0	17	0
XC3	A			250	0	48	6.0
	B			250	0	24	2.8
	C			0	0	34	2.8
	D			0	0	14	2.8
	E			0	0	31	9.1
	F			250	0	20	2.8
	G			250	0	27	2.8
	H			0	0	20	2.8
	I			250	0	17	2.8
XC4	A			250	0	29	5.8
	B			250	0	36	5.8
	C			0	0	46	12
	D			250	0	178	12
	E			250	0	53	10
XC5	A			250	0	100	2.6
	B			0	0	205	9
	C			0	0	63	15
	D			250	0	60	15
	E			250	0	63	2.6
	F			250	0	63	9.6
	G			0	0	66	0
	H			0	0	117	5.8

Surveyor (print name) G. MARCHESE/D. JOHNSTONSurveyor (signature) ORIGINAL SURVEY WITH SIGNATURES Reviewed by PAH Date 1-10-88

Original - Survey File, Canary - Field Ops, Pink - Job Site



proto-powerbisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 20 of 25
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta+\gamma$ dpm/100cm ²	α dpm/100cm ²
X05	I PIPING			0	0	56	2.6
	J			250	0	76	9.0
	K			0	0	73	2.6
	L			0	0	97	5.8
	M			0	0	46	0
X06	A			250	0	124	2.6
	B			0	0	59	9.0
	C			0	0	73	9.0
	D			0	0	53	5.8
	E			250	0	29	0
	F			0	0	26	2.6
	G			0	0	117	2.6
X07	A			0	0	70	0
	B			250	0	60	2.6
	C			250	0	60	2.6
X08	A			0	0	56	0
	B			250	0	53	9.0
	C			250	0	39	0
	D			0	0	49	5.8
	E			0	0	56	5.8
	F			0	0	56	5.8
	G			0	0	22	2.6
	H			250	0	42	9.0
	I			0	0	87	5.8
	J			0	0	26	2.6
	K			0	0	29	2.6
	L			250	0	22	2.6
	M			250	0	32	9.0
	N			0	0	42	9.0
X09	A			0	0	12	2.6
	B			0	0	46	2.6

Surveyor (print name) C. MARCHESI / D. JOHNSTONSurveyor (signature) ORIGINAL SURVEY WITH SIGNATURESReviewed by [Signature]Date 12-20-88

Original - Survey File, Canby - Field Ops, Pink - Job Site

A0001747 8/86



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 21 of 25
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/yr	γ r/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
XC9	C PIPING			0	0	36	2.6
	D			0	0	22	0
	E			0	0	22	2.6
	F			250	0	70	0
	G			0	0	43	2.6
	H			250	0	32	5.8
	I			250	0	59	5.8
	J			250	0	32	2.6
	K			0	0	26	5.8
	L			0	0	19	5.8
	M			0	0	15	0
	N			250	0	36	5.8
	O			0	0	36	0
XC10	A			0	0	32	5.8
	B			250	0	15	0
	C			0	0	46	0
XC11	A			250	0	36	0
	B			250	0	12	2.6
	C			0	0	15	2.6
	D			0	0	36	0
	E			0	0	32	5.8
	F			250	0	43	2.6
	G			500	0	53	5.8
	H			250	0	39	2.6
	I			250	0	46	12
	J			500	0	43	5.8
	K			250	0	46	5.8
	L			250	0	29	0
	M			0	0	56	2.6
	N			250	0	43	5.8
	O			250	0	32	5.8

Surveyor (print name) E. MARCHESE / D. JOHNSTONSurveyor (signature) ORIGINAL SURVEY WITH SIGNATURES

Original - Survey File, Canary - Field Ops, Pink - Job Site

Reviewed by AMDate 12-20-88



proto-powerblaze nuclear, inc.

Radiological Control Survey Record
Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMearable CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
XCI	P PIPING			500	0	26	9.0
	Q			500	0	26	2.6
	R			500	0	32	9.0
	S			250	0	59	9.0
XCII	A			0	0	9.1	0
	B			0	0	26	5.8
	C			250	0	22	5.8
	D			500	0	15	2.6
	E			500	0	43	2.6
	F			250	0	19	0
	G			500	0	26	9.0
	H			250	0	29	9.0
	I			250	0	9.1	0
	J			500	0	36	5.8
	K			500	0	19	0
	L			250	0	15	0
	M			250	0	19	0
	N			0	0	22	0
	O			250	0	12	5.8
	P			250	0	22	0
	Q			500	0	46	2.6
	R			500	0	15	2.6
	S			500	0	5.7	2.6
	T			750	0	32	0
	U			500	0	2.4	0
	V						
	W						
	X						
	Y						
	Z						

Surveyor (print name) G. MARCHESE / D. JOHNSTON

Surveyor (signature) ORIGINAL SURVEY WITH SIGNATURES

Reviewed by

Date 12-24-88

Original - Survey File, Canary - Field Ops, Pink - Job Site

A0001747 8/88



proto-power/bison nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 24 of 25
NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	$\alpha + \gamma$ mrad/hr	β dpm/100cm ²	γ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
CC1	FLOOR G/A @ 15'		0				
CC2			0				
CC3			0				
CC4			0				
CC5			0				
CC6		N	0			N	
CC7		A	0			A	
CC8			0				
CC9			0				
CC10			0				
CC11			0				
CC12			1				

BKGD: 5 μ R/hr
ALL READINGS CORRECTED FOR BKGD

(A diagonal line is drawn across the bottom half of the table, with 'N' and 'A' written near the center.)

Surveyor (print name) D Johnston

Surveyor (signature) [Signature]

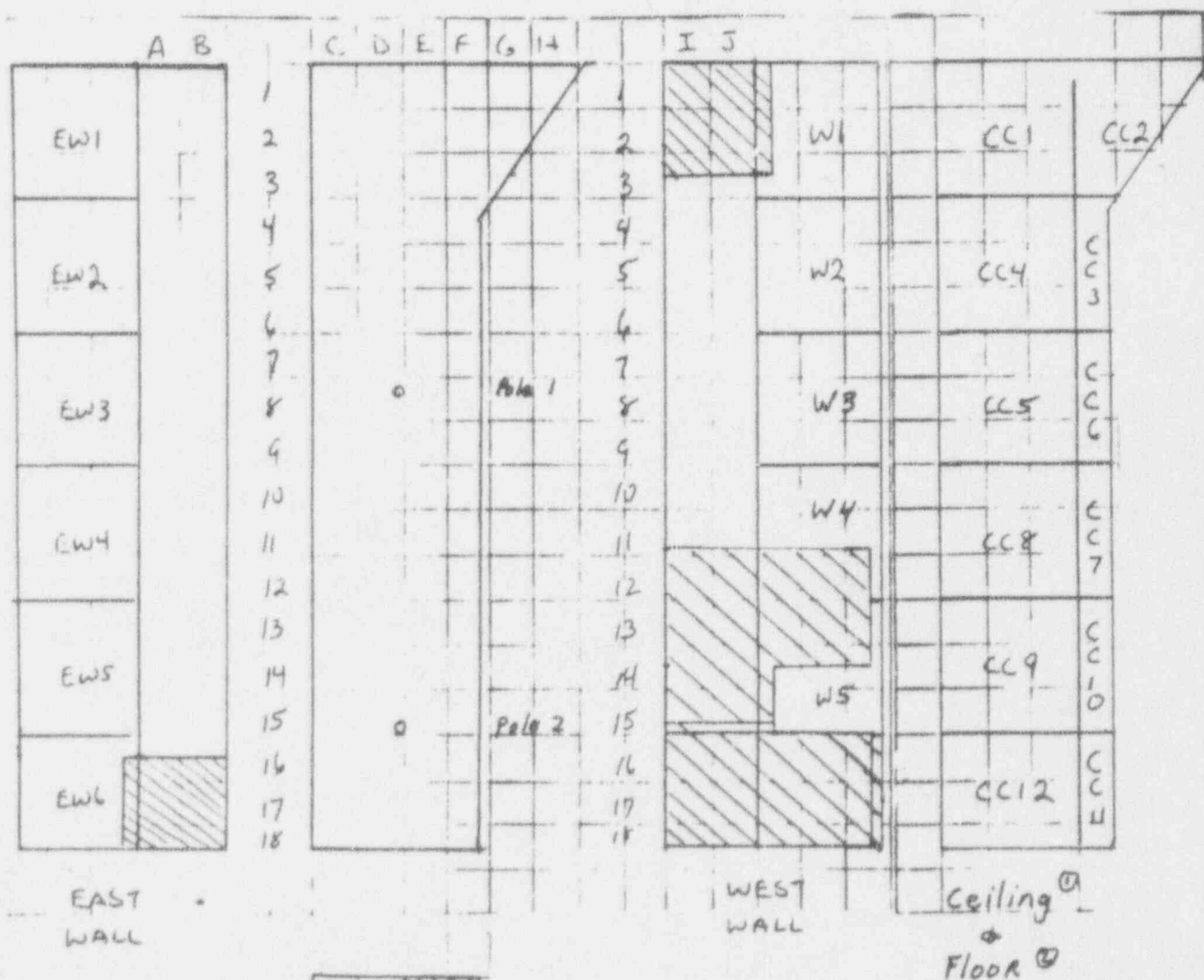
Reviewed by [Signature]

Date 9-27-88

(FLOOR & WALLS)
& CEILING

Figure 1 shows a 2x2 grid representing a 2D spatial domain. The top-left cell is labeled S_1 , the top-right cell is labeled S_2 , the bottom-left cell is labeled S_3 , and the bottom-right cell is labeled S_4 . The bottom-right cell (S_4) is shaded with diagonal lines.

SOUTH
WALL



NORTH
WALL

① Ceiling: piping surveys are numbered according to location.

② Floor Locations for dose rate survey

GRID MAP

DATE 9-23-88

TIME 1000

SURVEYOR (PRINT NAME) G. Macpherson, D. Johnston

SURVEYOR (SIGNATURE) *Original Survey with*

biscraft
northeast

Radiological Control Survey Record

NO. Page 1 of 19

DATE

9-21-88

TIME

11:10

LOCATION: Manufacturing Room Passage

REASON FOR SPECIAL SURVEY: Release of passage

☐ ROUTINE

☒ SPECIAL

For General Access

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	γ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	γ dpm/100cm ²
1	Fluor C 1 E			1000	0	158	12
2	B			500	0	232	2.6
3	C			500	0	209	2.6
4	C 2 A			500	0	151	0
5	B			750	0	127	0
6	C			500	0	117	0
7	C 3 A			750	0	99	2.6
8	B			500	0	76	0
9	C			500	0	60	2.6
10	C 4 A			250	0	49	0
11	B			500	0	53	0
12	C			500	0	32	0
13	C 5 A			750	0	49	0
14	B			250	0	15	2.6
15	C			250	0	19	0
16	C 6 A			250	0	19	2.6
17	B			500	0	22	2.6
18	C			500	0	15	5.8

RADIATION SURVEY				CONTAMINATION SURVEY		CONTAMINATION SURVEY	
INST. C-2101				INST/PROBE C-2101			
INST	L-3	L-2	E-19	S/N	NK	S/N	140
S/N	45921	52093	32871	CAL DUE DATE	9-7-89	CAL DUE DATE	9-7-89
CAL DUE DATE	8-2-89	8-2-89	8-16-89	EFF	0.295	EFF	0.316
C.F.	2.5	11	BKG=5.5	BKG	1.29cpm	BKG	0.15cpm
REMARKS:						AIR SAMPLE DATA	
						R-1312 ⁻¹⁰ 74/10	
						T ₂ = 41min	

Surveyor (print name) D. Johnston, G. Marchese

Surveyor (signature) Original Survey, with Signatures
on file with Biscraft

Reviewed by [Signature]

Date 9-21-89



proto-powerblanco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 2 of 19
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
C7	A FLOOR			500	0	15	2.6
	B			500	0	12	5.8
	C			750	0	32	0
C8	A			500	0	32	0
	B			500	0	22	0
	C			500	0	15	0
C9	A			500	0	32	5.8
	B			1000	0	26	2.6
	C			500	0	19	0
C10	A			250	0	9.1	2.6
	B			500	0	19	2.6
	C			750	0	19	2.6
C11	A			250	0	12	0
	B			500	0	4.3	0
	C			250	0	43	2.6
C12	A			500	0	15	0
	B			250	0	39	2.6
	C			500	0	26	0
C13	A			250	0	53	9.0
	B			250	0	26	2.6
	C			250	0	12	2.6
C14	A			250	0	46	9.0
	B			1000	0	39	12
	C			250	0	19	0
C15	A			250	0	93	0
	B			250	0	19	2.6
	C			750	0	12	0
C16	A			1250	0	22	2.6
	B			750	0	15	5.8
	C			500	0	12	9.0

Surveyor (print name) G. MARCHESE / D. JOHNSTONSurveyor (signature) ORIGINAL SURVEY WITH SIGNATURESReviewed by [Signature]Date 12-15-20

Original - Survey File, Canary - Field Ops, Pink - Job Site

A0001747 8/88



proto-powerbisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 3 of 19
NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
C17	A FLOOR			750	0	36	0
	B			500		15	0
	C			500		19	0
C18	A			500		29	2.6
	B			250	0	19	2.6
	C			250	0	26	5.8
C19	A			500	0	29	5.8
	B			250	0	12	0
	C			250	0	22	0
C20	A			250	0	19	2.6
	B			250	0	12	0
	C			250	0	19	12
D1	A			1600	0	19	2.6
	B			750	0	12	2.6
	C			250	0	12	0
D2	A			250	0	9.1	2.6
	B			250	0	19	2.6
	C			500	0	9.1	2.6
D3	A			250	0	29	0
	B			500	0	29	0
	C			250	0	12	0
D4	A			250	0	12	0
	B			750	0	12	5.8
	C			500	0	22	0
D5	A			250	0	15	2.6
	B			250	0	15	0
	C			500	0	5.7	2.6
D6	A			250	0	2.3	2.6
	B			250	0	22	0
	C			500	0	2.3	2.6

Surveyor (print name) G. MARCHESE / D. J. VALESTON

Surveyor (signature) ORIGINAL SURVEY WITH SIGNATURES

Reviewed by [Signature]

Date 12-15-88

Original - Survey File: Canary - Field Ops. Print - Job Site

A0001747 8/88



proto-powerbiase nuclear, inc.

Radiological Control Survey Record Continuation Sheet

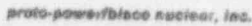
Page 4 of 19
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
D7	A FLOOR			560	0	29	0
	B			250	0	5.7	0
	C			560	0	5.7	5.8
D8	A			250	0	32	2.6
	B			750	0	9.1	2.6
	C			250	0	15	0
D9	A			250	0	5.7	2.6
	B			750	0	32	2.6
	C			250	0	9.1	2.6
D10	A			250	57	19	5.8
	B			250	0	29	2.6
	C			560	0	22	0
D11	A			1000	0	29	2.6
	B			250	0	22	5.8
	C			250	0	19	2.6
D12	A			250	0	29	0
	B			250	0	0	2.6
	C			250	0	2.3	2.6
D13	A			250	0	26	0
	B			250	0	22	0
	C			250	0	15	2.6
D14	A			250	0	19	0
	B			750	0	15	0
	C			250	0	22	0
D15	A			250	0	26	9.0
	B			250	0	15	2.6
	C			500	0	9.1	0
D16	A			250	0	32	2.6
	B			250	0	22	0
	C			250	0	5.7	2.6

Surveyor (print name) E. MARCHESE / D. THASTON

Surveyor (signature) ORIGINAL SURVEY WITH SIGNATURES Reviewed by [Signature] Date 12-15-88

Original - Survey File, Canary - Field Ops, Pink - Job Site



Page 5 of 19
NO.

Radiological Control Survey Record
Continuation Sheet

[illegible]

Surveyor (print name) E. MARCHEE/D. JOHNSTON

Surveyor (signature) CRIMINAL SURVEY WITH SIGNATURES

Reviewed by [Signature]

Date 12-17-88

Original - Survey File, Canary - Field Ops, Pink - Job Site

A0001747 8/88



proto-power/blisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 6 of 19
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
A1	A LOWER WALLS			560	0	5.7	0
	B			250	0	2.4	0
	C			250	0	15	0
A2	A			560	0	5.7	0
	B			250	0	5.7	0
	C			250	0	0	0
A3	A			250	0	9.1	0
	B			250	0	9.1	0
	C			0	0	26	0
A4	A			0	0	9.1	2.6
	B			250	0	19	0
	C			250	0	9.1	2.6
A5	A			250	0	22	0
	B			0	0	15	9.0
	C			250	0	12	0
A6	A			250	0	12	0
	B			250	0	12	0
	C			250	0	5.7	0
A7	A			250	0	26	0
	B			250	0	19	2.6
	C			0	0	19	2.6
A8	A			0	0	5.7	0
	B			250	0	12	0
	C			250	0	5.7	0
A9	A			0	0	15	0
	B			0	0	2.4	0
	C			250	0	19	0
A10	A			0	0	15	0
	B			0	0	9.1	2.6
	C			250	0	29	5.8

Surveyor (print name) G. MARCHESE / D. J. LUNSTON
Surveyor (signature) ORIGINAL SURVEY WITH SIGNATURES Reviewed by [Signature] Date 12/11/88
ON FILE WITH PPB.

Original - Survey File, Canary - Field Ops., Pink - Job Site

A0001747 8/88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
A11	A LOWER WALLS			0	0	19	0
	B			250	0	19	0
	C			250	0	5.7	0
A12	A			0	0	12	0
	B			250	0	5.7	0
	C			0	0	19	0
A13	A			250	0	9.1	0
	B			0	0	15	0
	C			250	0	12	0
A14	A			0	0	2.4	0
	B			250	0	5.7	0
	C			250	0	2.3	2.6
A15	A			0	0	9.1	0
	B			0	0	5.7	2.6
	C			0	0	9.1	2.6
A16	A			0	0	9.1	0
	B			0	0	12	2.6
	C			0	0	12	0
A17	A			0	0	15	2.6
	B			250	0	19	2.6
	C			250	0	12	0
A18	A			250	0	15	5.8
	B			250	0	9.1	2.6
	C			250	0	5.7	0
A19	A			250	0	12	0
	B			250	0	22	9.0
	C			250	0	5.7	2.6
A20	A			750	0	5.7	0
	B			500	0	19	2.6
	C			250	0	5.7	0

Surveyor (print name) G. MARCHESE / D. JOHNSTONSurveyor (signature) ORIGINAL SURVEY WITH SIGNATURESReviewed by PPBDate 12-15-88Original - Survey File, Canary - Field Ops., Pink - Job Site
CN FILE WITH PPB.

A0001747 8/88



proton-power/bioco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 8 of 19
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ r/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
B1	A LOWER WALLS			250	0	9.1	0
	B			250	0	12	0
	C			500	0	2.3	2.6
B2	A			250	0	9.1	0
	B			500	0	2.4	0
	C			500	0	2.4	0
B3	A			0	0	15	0
	B			0	0	9.1	0
	C			250	0	19	12
B4	A			0	0	12	0
	B			0	0	12	2.6
	C			250	0	19	0
B5	A			500	0	15	5.8
	B			250	0	15	2.6
	C			0	0	9.1	0
B6	A		NA	0	0	15	0
	B			250	0	32	2.6
	C			250	0	0	0
B7	A			500	0	5.7	0
	B			250	0	9.1	0
	C			500	0	12	0
B8	A			250	0	15	0
	B			500	0	9.1	0
	C			0	0	5.7	2.6
B9	A			250	0	9.1	0
	B			500	0	9.1	2.6
	C			250	0	12	0
B10	A			250	0	9.1	0
	B			500	0	0	0
	C			250	0	2.3	2.6

Surveyor (print name) G. MARCHASE / D. JOHNSTONSurveyor (signature) ORIGINAL SURVEY WITH SIGNATURES Reviewed by MMJ Date 11-15-88Original - Survey File: Canary - Field Ops, Pink - Job Site
ON FILE WITH PPB.

A0001747 8/88



proto-power/bios nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
B11	A LOWER WALLS			250	0	12	0
	B			250	0	9.1	0
	C			250	0	12	0
B12	A			500	0	2.3	2.6
	B			250	0	5.7	0
	C			250	0	9.1	0
B13	A			250	0	9.1	0
	B			250	0	9.1	0
	C			250	0	12	0
B14	A			250	0	9.1	0
	B			250	0	12	0
	C			250	0	2.4	0
B15	A			250	0	2.3	2.6
	B			250	0	12	0
	C			0	0	9.1	2.6
B16	A			250	0	9.1	2.6
	B			500	0	9.1	2.6
	C			250	0	2.3	2.6
B17	A			250	0	12	2.6
	B			500	0	9.1	0
	C			250	0	5.7	2.6
B18	A			250	0	15	0
	B			500	0	2.4	0
	C			250	0	12	2.6
B19	A			250	0	2.3	9.0
	B			500	0	39	15
	C			500	0	32	2.6
B20	A			250	0	39	2.6
	B			250	0	15	0
	C			0	0	12	0
				250	0	2.4	0

Surveyor (print name) G. MARCHESE / D. JOHNSTONSurveyor (signature) RICHARD SURVEY WITH SIGNATURESReviewed by PJM-jDate 12-11-88

Original - Survey File: Canary - Field Ops. Pink - Job Site

PPB.



proto-powerbisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 10 of 19
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ r/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
E1	A L INER WALLS			750	0	9.1	0
	B			750	0	0	0
	C			500	0	15	0
E2	A			250	0	15	0
	B			500	0	0	5.8
	C			250	0	2.4	2.4
E3	A			250	0	5.7	0
	B			250	0	5.7	2.6
	C			0	0	22	0
E4	A			750	0	5.7	0
	B			250	0	0	0
	C			0	0	15	0
E5	A			250	0	0	0
	B		N/A	500	0	9.1	0
	C			250	0	5.7	0
E6	A			500	570	5.7	0
	B			250	57	15	0
	C			750	0	9.1	0
E7	A			500	0	2.4	0
	B			750	0	12	2.6
	C			250	0	2.4	0
E8	A			1000	0	5.7	0
	B			250	0	5.7	0
	C			500	0	15	2.6
E9	A			1000	0	5.7	2.6
	B			750	0	2.3	5.8
	C			1000	0	2.4	0
E10	A			750	0	2.4	0
	B			250	0	22	2.6
	C			250	0	12	2.6

Surveyor (print name) G. MARCHESE / D. JOHNSTONSurveyor (signature) ORIGINAL SURVEY WITH SIGNATURES Reviewed by [Signature] Date 12-19-88

Original - Survey File, Canary - Field Ops, Pink - Job Site

A0001747 8/88



proto-power/bleed nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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 NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mrad/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
E11	A LOWER WALLS			250	0	152.4	0
	B			500	0	9.1	2.6
	C			250	0	9.1	2.6
E12	A			500	0	5.7	0
	B			750	0	5.7	0
	C			250	0	15	0
E13	A			500	0	9.1	2.6
	B			250	0	5.7	0
	C			0	0	5.7	0
E14	A			500	0	5.7	2.6
	B			0	0	15	2.6
	C			250	0	5.7	0
E15	A			250	0	9.1	0
	B			0	0	12	0
	C		NA	0	0	9.1	0
E16	A			500	0	2.4	0
	B			250	0	9.1	0
	C			250	0	5.7	5.8
E17	A			500	0	0	0
	B			0	0	2.4	0
	C			0	0	9.1	0
E18	A			250	0	9.1	0
	B			250	0	15	2.6
	C			250	0	9.1	2.6
E19	A			250	0	5.7	0
	B			250	0	9.1	2.6
	C			250	0	5.7	5.8
E20	A			250	0	9.1	0
	B			0	0	2.3	2.6
	C			250	0	0	0

 Surveyor (print name) G. MARCHESE / D. JOHNSTON

 Surveyor (signature) ORIGINAL SURVEY WITH SIGNATURES Reviewed by WMA Date 12-13-88
 ON FILE WITH PPB.

Original - Survey File, Canary - Field Ops, Pink - Job Site

A0001747 8/88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 12 of 19
NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/yr	γ mr/yr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
F1	A LOWER WALLS			500	0	12	2.6
	B			250	0	5.7	0
	C			500		12	0
F2	A			500		2.3	2.6
	B			250	0	2.4	0
	C			250	0	2.4	0
F3	A			250	0	2.6	0
	B			250	0	2.4	0
	C			250	0	2.4	0
F4	A			250	0	2.3	2.6
	B			250	0	0	0
	C			250	0	0	0
F5	A			250	0	5.7	0
	B			0	0	9.1	2.6
	C			750	0	2.4	0
F6	A			500	0	5.7	2.6
	B			250	0	0	0
	C			250	57	2.4	0
F7	A			250	0	12	0
	B			250	0	9.1	0
	C			250	0	5.7	0
F8	A			500	0	2.4	0
	B			750	0	0	0
	C			250	0	2.3	2.6
F9	A			250	0	15	0
	B			0	57	12	0
	C			500	0	9.1	2.6
F10	A			500	0	0	0
	B			250	0	12	5.8
	C			0	0	9.1	0

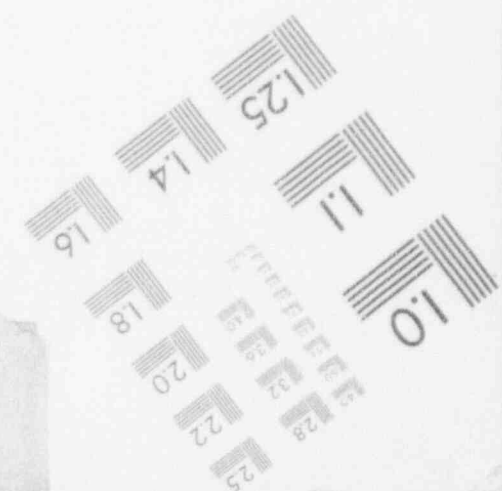
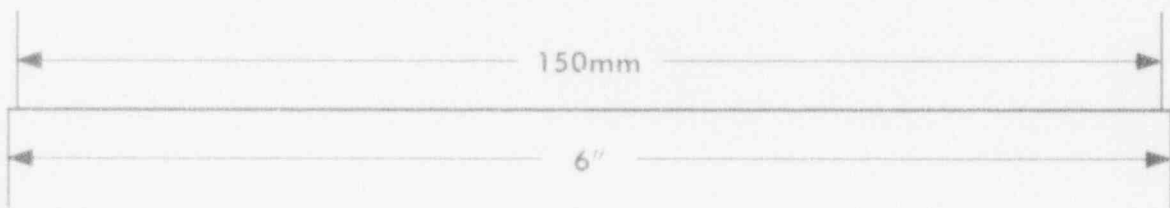
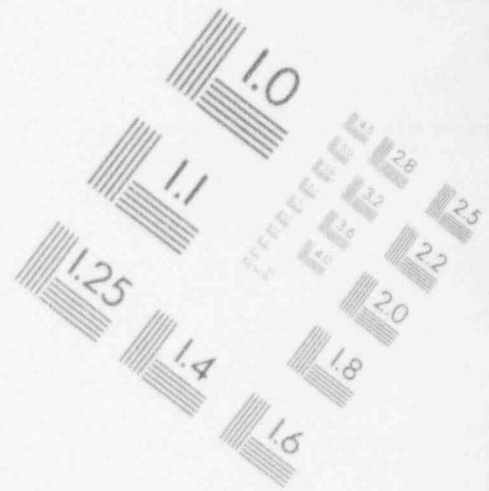
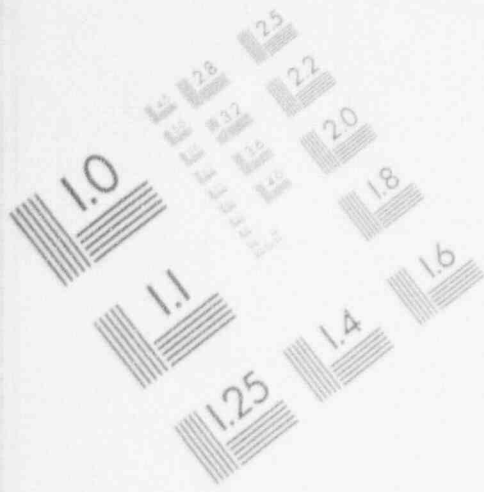
Surveyor (print name) G. MARCHESE / D. JOHNSTON
Surveyor (signature) ORIGINAL SURVEY WITH SIGNATURES Reviewed by [Signature] Date 12-15-88
ON FILE WITH PPB.

Original - Survey File, Canary - Field Ops, Pink - Job Site

A0001747 8/88

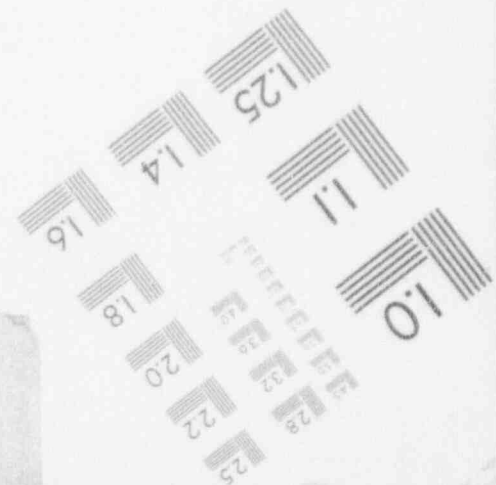
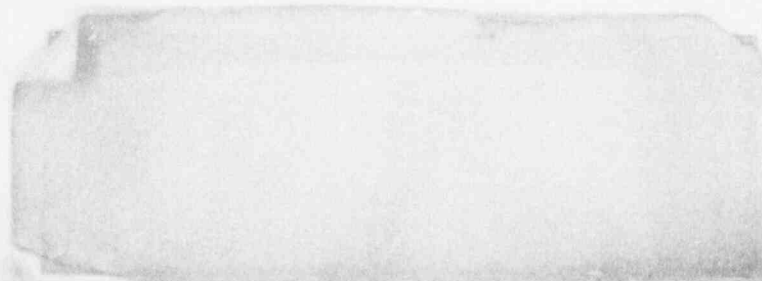
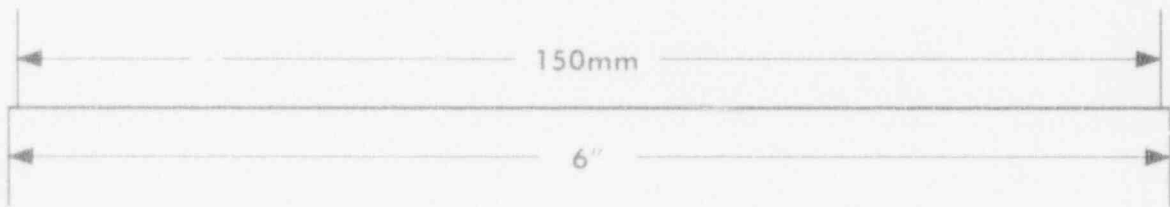
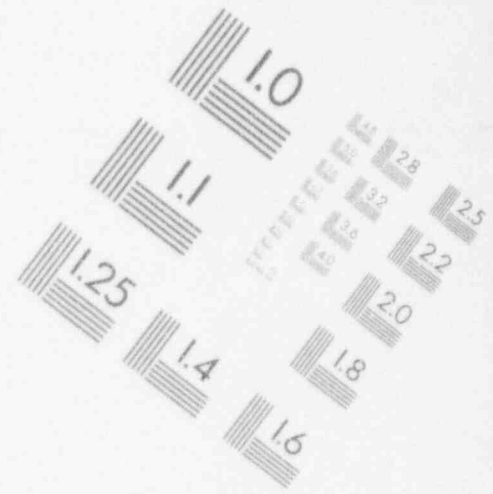
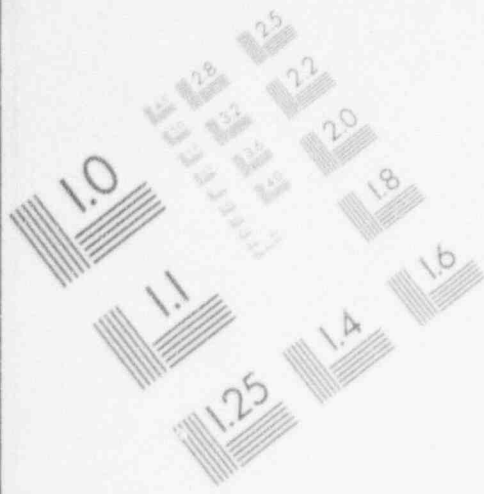
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IMAGE EVALUATION TEST TARGET (MT-3)



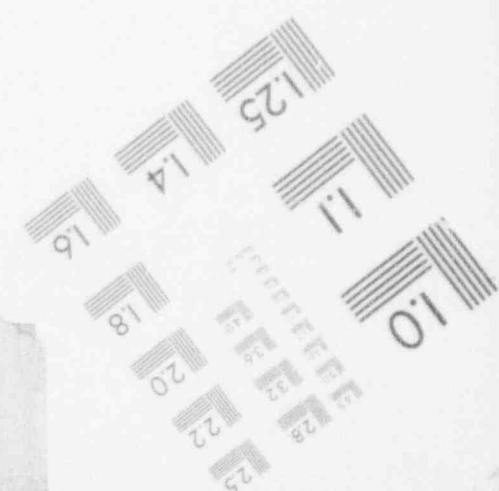
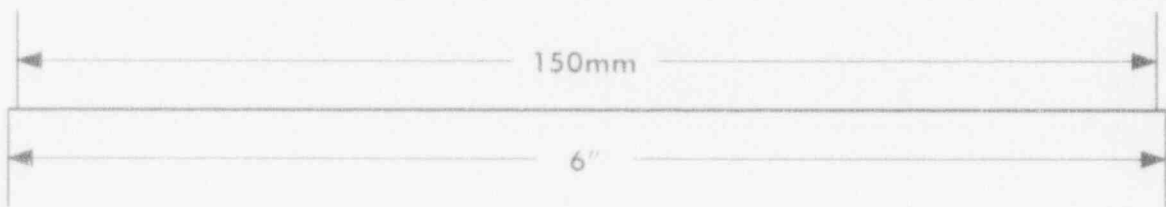
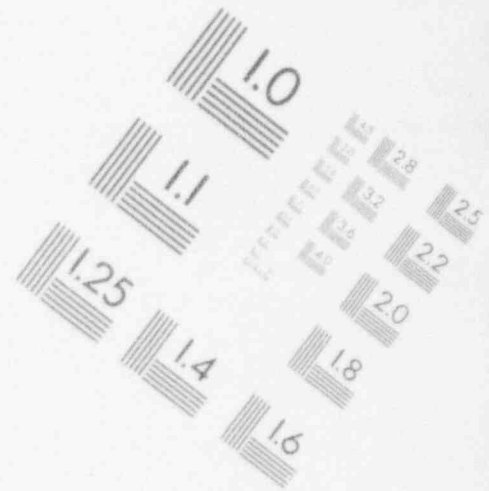
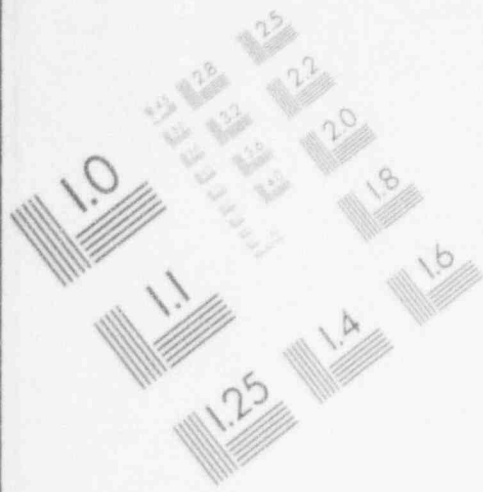
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IMAGE EVALUATION
TEST TARGET (MT-3)



1

IMAGE EVALUATION TEST TARGET (MT-3)





proto-power/bleed nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/yr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
F11	A LOWER WALLS			0	0	22	2.6
	B			250	0	12	0
	C			0	0	26	2.6
F12	A			750	0	0	0
	B			250	0	5.7	2.6
	C			500	0	26	2.6
F13	A			250	0	19	9.0
	B			250	0	2.4	0
	C			0	0	5.7	0
F14	A			250	0	5.7	0
	B			250	0	9.1	2.6
	C			500	0	2.4	0
F15	A			500	0	2.4	0
	B			250	0	2.4	0
	C		N/A	0	0	19	2.6
F16	A			250	0	2.4	0
	B			0	0	9.1	0
	C			0	0	0	0
F17	A			250	0	2.3	2.6
	B			250	0	19	0
	C			0	0	2.4	0
F18	A			500	0	12	0
	B			250	0	5.7	2.6
	C			0	0	9.1	5.8
F19	A			250	0	12	2.6
	B			250	0	12	5.8
	C			250	0	19	0
F20	A			250	0	9.0	9.0
	B			0250	0	12	0
	C			250	0	19	0

Surveyor (print name) G. MARCHESE / D. JOHNSTON

Surveyor (signature) ORIGINAL SURVEY WITH SIGNATURES

Reviewed by [Signature]

Date 12-15-88

Original - Survey File, Canister - Field Ops, Pink - Job Site
ON FILE WITH PPB.

A0001747 B/88



proto-power/blaco nuclear, inc.

Radiological Control Survey Record
Continuation SheetPage 14 of 19
NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
N1	A UPPER WALLS			0	0	9.1	0
	B			230	0	12	0
	C			460	0	9.1	0
N2	A			230	57	15	0
	B			230	0	2.3	5.8
	C			0	0	12	2.6
N3	A			0	0	15	2.6
	B			0	0	5.7	2.6
	C			230	57	5.7	0
N4	A			690	0	9.1	0
	B			230	57	0	0
	C			0	57	2.4	0
N5	A			520	57	9.1	2.6
	B			520	114	2.4	0
	C			520	57	9.1	0
N6	A			520	57	5.7	0
	B			520	57	2.4	0
	C			520	57	5.7	5.8
N7	A			0	57	55	2.6
	B			520	114	19	5.8
	C			520	57	2.4	0
S1	A			230	0	0	5.8
	B			230	0	5.7	0
	C			920	0	0	0
S2	A			230	0	5.7	2.6
	B			230	0	2.4	0
	C			690	0	0	2.6
S3	A			230	57	2.4	0
	B			230	57	2.3	5.8
	C			0	0	9.1	0

Surveyor (print name) G. MARCHESE / D. JOHNSTONSurveyor (signature) ORIGINAL SURVEY WITH SIGNATURESReviewed by [Signature]Date 12/15/88Original - Survey File; Canary - Field Ops; Pink - Job Site
ON FILE WITH PPB

A0001747 8/88

Radiological Control Survey Record Continuation Sheet

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NO

Surveyor (print name) G. MARCHESE / D. JOHNSTON

Surveyor (signature) ORIGINAL SURVEY WITH SIGNATURES

Reviewed by

Date 12-17-88

Original - Survey File, Canary - Field Ops, Pink - Job Site

AC001747 8/88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mR/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
XC1	A PIPING			230	0	7.6	2.6
	B			230	0	25	5.8
	C			460	0	14	2.6
	D			230	0	21	5.8
	E			1150	0	88	2.6
	F			460	0	24	0
	G			230	0	14	0
	H			460	0	11	0
	I			230	0	11	0
	J			230	0	17	5.8
	K			460	0	24	2.6
	L			230	0	7.6	0
XC2	A			460	0	31	2.6
	B			230	0	21	0
	C			230	0	31	2.6
	D			460	0	88	2.6
	E			230	0	14	0
	F			460	0	41	2.6
	G			230	0	31	0
	H			230	0	34	2.6
	I			460	0	31	0
	J			230	0	91	0
	K			460	0	58	5.8
	L			460	0	17	2.6
XC3	A			230	0	41	0
	B			460	0	68	12
	C			230	0	82	12
	D			460	0	17	89
	E			230	0	14	2.6
	F			460	0	31	0
	G			460	0	48	2.6

Surveyor (print name) G. MARCHESE / D. JOHNSTONSurveyor (signature) ORIGINAL SURVEY WITH SIGNATURESReviewed by [Signature]Date 12-5-88Original - Survey File, Canary - Field Ops., Pink - Job Site
ON FILE WITH PPB.

A0001747 8/88



proto-power/blee nuclear, inc.

Radiological Control Survey Record Continuation Sheet

Page 17 of 19
NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
XC3	H PIPING			230	0	4.2	2.6
	I			420	0	24	0
	J			230	0	7.6	2.6
	K			230	0	7.6	2.6
	L			420	0	7.6	5.8
XC4	A			230	0	34	2.6
	B			460	0	24	5.8
	C			230	0	7.6	0
	D			460	0	31	2.6
	E			1560	0	7.6	5.8
	F			520	0	14	2.6
	G			1040	0	24	0
	H			520	0	14	0
	I			520	0	4.3	0
	J			1040	0	58	2.6
	K			520	0	11	2.6
	L			520	0	68	2.6
	M			520	0	48	5.8
XC5	A			520	0	85	5.8
	B			520	0	55	5.8
	C			520	0	17	0
	D			1040	0	85	0
	E			520	0	119	8.9
	F			520	0	61	5.8
	G			1040	0	7.6	0
	H			520	0	44	8.9
	I			520	0	34	0
	J			520	0	48	5.8
	K			1040	0	65	2.6
	L			520	0	91	0

Surveyor (print name) G. MARCHESE / D. THAISTONSurveyor (signature) ORIGINAL SURVEY WITH SIGNATURESReviewed by [Signature]Date 12-11-88

Original - Survey File, Canary - Field Ops, Pink - Job Site

PPO



proto-powerbleco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

[illegible]

Surveyor (print name) G. MARCHESE / D. JOHNSTON

Surveyor (signature) R. B. NAL SURVEY WITH SIGNATURES Reviewed by R. B. N-7 Date 12-15-10

Original - Survey File, Canary - Field Ops., Pink - Job Site

A0001747 8/88

A B			C D			E F		
N1		1		1				
		2		2		S1		CC1
		3		3				
N2		4		4		S2		CC2
		5		5				
		6		6				
N3		7		7		S3		CC3
		8		8				
		9		9				
N4		10		10		S4		CC4
		11		11				
		12		12				
N5		13		13		S5		CC5
		14		14				
		15		15				
N6		16		16		S6		CC6
		17		17				
		18		18				
N7		19		19		S7		CC7
		20		20				

NORTH
WALL

FLOOR

SOUTH
WALLCEILING
+
Dose RatesWEST
WALLEAST
WALL

GRID MAP

DATE 9-21-88SURVEYOR (PRINT NAME) D. Sebastian / G. MarcheseTIME 1100SURVEYOR (SIGNATURE) Original Survey with
Signatures on Floor with Aircraft

biscraft
northeast

Radiological Control Survey Record

NO. _____ Page 1 of 12

DATE

10-6-85

TIME

1630

LOCATION: Manufacturing Room Foyer

REASON FOR SPECIAL SURVEY: Release Survey

For General Access

☐ ROUTINE

☒ SPECIAL

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	β dpm/100cm ²	α dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
1	Lower Wall A 3 A			280	0	0	0
2	B			280	0	.1	2.2
3	C			280	0	0	0
4	A 5 A			0	0	3.5	0
5	B			0	0	0	0
6	C			280	0	0	0
7	A 6 A			560	0	6.9	2.2
8	B			1120	0	0	0
9	C			560	0	0	2.2
10	A 7 A			560	0	3.5	2.2
11	B			280	0	23	5.4
12	C			280	0	17	5.4
13	B 3 A			280	0	13	0
14	B			0	0	.1	0
15	C			280	0	.1	0
16	B 5 A			560	0	.1	0
17	B			560	0	.1	0
18	C			280	0	23	2.2

RADIATION SURVEY				$\beta + \gamma$ CONTAMINATION SURVEY		α CONTAMINATION SURVEY	
INST.	L-3	L-2	L-19	INST.	C-2400	INST/PROBE	C-2400
S/N	47892	52093	3287	S/N	NR	S/N	NR
CAL DUE DATE	11-27-88	8-16-89	8-16-89	CAL DUE DATE	9-7-85	CAL DUE DATE	9-7-84
EFF	0.245			EFF	0.245	EFF	0.316
BKG	2.29 cpm			BKG	2.29 cpm	BKG	0.23 cpm

REMARKS:

AIR SAMPLE DATA

Surveyor (print name) G. Marchese, D. Johnston, M. L. Hart

Surveyor (signature) Original Survey with Signatures
on file with Biscraft

Reviewed by [Signature]

Date 2-5-89



proto-power/bischo nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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 NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	$\beta + \gamma$ dpm/100cm ²	^{137}Cs dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	^{137}Cs dpm/100cm ²
B6	A LOWER WALL			1120	0	.1	0
	B			560	0	13	0
	C			560	0	2	0
B7	A			560	0	3.5	0
	B			560	0	13	2.2
	C			560	0	2.5	0
C1	A			560	0	3.5	2
	B			560	0	0	0
	C			280	0	0	0
C2	A			280	0	.1	0
	B			560	0	0	2.2
	C			560	0	0	2.2
C3	A FLOOR			1120	0	57	8.5
	B			560	0	37	0
	C			1120	0	17	5.4
C4	A			1120	0	17	2.2
	B			1120	0	30	0
	C			560	0	20	2.2
C5	A			1120	0	20	0
	B			1680	0	13	2.2
	C			2240	0	.1	0
C6	A			2800	0	10	2.2
	B			2240	0	23	0
	C			2800	0	67	2.2
C7	A			2380	0	35	0
	B			2380	0	10	5.4
	C			2380	0	10	0
C8	A LOWER WALL			2240	0	3.5	0
	B			1680	0	.1	0
	C			2240	0	6.9	2.2

 Surveyor (print name) M. JOHNSON / G. MARCHESE / D. JOHNSON

 Surveyor (signature) [Signature] / [Signature] / [Signature] Reviewed by [Signature] Date 12-6-88

Original - Survey File: Canals Field Ops. Pink - Job Site



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO.	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²
C4	A LOWER WALL			1120	0	0	0
	B			1120	0	0.5	0
	C			1680	0	0	0
D1	A			280	0	0	0
	B			280	0	0	0
	C			280	0	0	2.2
D2	A			280	0	3.5	0
	B			560	0	0	2.2
	C			560	0	0	0
D3	A FLOOR			1680	110	111	5.4
	B			1120	0	44	5.4
	C			1120	0	17	2.2
D4	A			2240	110	13	5.4
	B			2800	0	20	2.2
	C		N	1680	0	20	8.5
D5	A		A	1120	0	30	8.5
	B			1120	0	3.5	0
	C			560	0	6.9	2.2
D6	A			1680	0	6.9	0
	B			560	0	1	0
	C			1120	0	20	8.5
D7	A			1680	0	0	2.2
	B			1680	0	3.5	0
	C			1680	0	13	5.4
D8	A LOWER WALL			2240	0	3.5	0
	B			2240	0	20	0
	C			1680	0	6.9	0
D9	A			1120	0	3.5	0
	B			1120	0	0	5.4
	C			1680	0	0	0

Surveyor (print name) D. JOHNSTON / M. JOHNSTON / G. MARCHESSESurveyor (signature) [Signature] Reviewed by [Signature] Date 12-6-88

Original - Survey File, Canam Field Ops. Pink - Job Site

A0001747 B/BB



proto-powerbisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	$\beta < 8$ dpm/100cm ²	$\beta > 8$ dpm/100cm ²	$\beta < 7$ dpm/100cm ²	$\beta > 7$ dpm/100cm ²
E1	A LOWER WALL			280	0	3.5	0
	B			0	0	6.9	0
	C			280	0	0	0
E2	A			280	0	6.9	0
	B			560	0	0	0
	C			280	0	3.5	0
E3	A FLOOR			1120	0	47	5.4
	B			560	0	61	11
	C			1120	0	17	0
E4	A			1120	110	44	8.5
	B			560	0	30	2.2
	C			1120	0	13	8.5
E5	A			1120	110	17	5.4
	B			1680	0	13	8.5
	C			1680	0	17	2.2
E6	A			1680	110	10	2.2
	B			1120	0	.1	2.2
	C			1120	0	10	0
E7	A			560	0	6.9	0
	B			1120	0	3.4	11
	C			560	0	0	2.2
E8	A LOWER WALL			280	0	3.5	0
	B			560	0	3.5	5.4
	C			280	0	27	2.2
E9	A			0	0	5.4	6.9
	B			280	0	13.5	5.4
	C			280	0	6.9	0
E1	A			0	0	0	0
	B			280	0	0	0
	C			0	0	3.5	0

Surveyor (print name) D. JOHNSON / G. MARCH / H. JOHNSONSurveyor (signature) [Signature] Reviewed by [Signature] Date 12-6-88

Original - Survey File, Canam, Field Ops, Pink - Job Site

A0001747 8/88



proto-power/bisco nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
F2 A	LOWER WALL			750	0	17	2.2
B				250	0	0	0
C				0	0	.1	0
F3 A	FLOOR			750	0	40	2.2
B				500	0	13	0
C				250	0	27	0
F4 A				500	0	17	0
B				500	0	0	2.2
C				750	0	13	0
F5 A				500	0	.1	0
B				250	0	10	0
C				250	0	.1	2.2
F6 A				250	0	20	5.4
B				750	0	10	0
C				1000	0	0	0
F7 A				250	0	0	0
B				1250	0	.1	2.2
C				250	0	.1	2.2
F8 A	LOWER WALL			250	0	10	0
B				0	0	13	0
C				250	0	6.9	0
F9 A				0	0	6.9	8.5
B				0	0	0	0
C				250	0	0	0
G1 A				280	0	6.9	0
B				0	0	3.5	0
C				0	0	6.9	0
G2 A				280	0	10	2.2
B				280	0	.1	0
C				0	0	6.9	0

Surveyor (print name) M. JOHNSON / D. JOHNSON / G. MARCHESESurveyor (signature) [Signature]Reviewed by [Signature]Date 12-1-88



proto-power/blacc nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	α dpm/100cm ²
G3	A FLOOR			560	0	44	0
	B			1120	0	0	0
	C			560	0	6.9	0
G4	A			560	110	0	0
	B			280	0	0	2.2
	C			560	0	6.9	0
G5	A			560	110	2.7	2.2
	B			1680	0	3.7	8.5
	C			560	0	1.3	0
G6	A			560	0	3.7	0
	B			1120	0	4.4	2.2
	C			1120	0	3.0	11
G7	A			560	0	2.0	0
	B			560	0	6.9	0
	C			1120	0	6.9	0
G8	A LOWER WALL			280	0	6.9	2.2
	B			0	0	0	0
	C			280	0	1	0
G9	A			560	0	0	2.2
	B			280	0	3.5	2.2
	C			0	0	0	0
H3	A			1000	0	6.9	0
	B			750	0	3.5	0
	C			250	0	6.9	0
H4	A			250	110	2.3	2.2
	B			500	0	6.9	0
	C			0	0	0	0
H5	A			500	0	6.9	5.4
	B			500	0	10	0
	C			500	0	0	0

Surveyor (print name) G. MARCUS / M. JOHNSTON / D. JOHNSTONSurveyor (signature) [Signature] reviewed by [Signature]Date 12-6-88



proto-powerbleco nuclear, inc.

Radiological Control Survey Record
Continuation Sheet

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NO.

[illegible]

Surveyor (print name) C. MARCHEL / D. JOHNSON / M. JOHNSON

Surveyor (signature) D. Pharo Reviewed by Ed. M. Ambrose Date 12-6-88



proto-powerble nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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 NO

ITEM NO.	ITEMS		DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
			β mrad/hr	γ mr/hr	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²
W1	A	UPPER WALL			1050	0	0	2.4
	B				1050	0	2.4	0
	C				1050	0	9.2	0
W2	A				1050	0	5.8	0
	B				1470	0	2.4	0
	C				1260	0	0	0
N1	A				1260	0	9.2	0
	B				1260	0	0	0
	C				1260	0	2.4	2.4
N2	A				1470	0	2.4	2.4
	B				1260	0	0	2.4
	C				1050	0	0	0
EW1	A				1050	0	2.4	2.4
	B				1050	0	0	0
	C				1050	0	0	0
EW2	A				1260	0	0	0
	B				2100	0	3.6	2.4
	C				1890	0	5.8	0
S1	A				1050	0	5.8	0
	B				1050	0	5.8	0
	C				1050	0	0	0
S2	A				1050	0	2.4	0
	B				1050	0	2.4	2.4
	C				1260	0	12	2.4
CC1	A	CEILING			1050	0	5.8	0
	B				1050	0	2.4	0
	C				1050	0	0	0
CC2	A				1050	0	2.4	0
	B				1050	0	0	0
	C				1050	0	0	0

 Surveyor (print name) D. JOHNSON / G. MARCHESINI / D. JOHNSON

 Surveyor (signature) [Signature] Reviewed by [Signature] Date 12-1-88



proto-powerbiscan nuclear, inc.

Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²
CC3 A	CEILING			1050	0	0	2.4
B				1050	0	2.4	0
C				1050	0	0	0
CC4 A				1050	0	3.7	5.6
B				1050	0	2.4	0
C				1050	0	2.4	0
X1 A	PIPING IN CEILING			1260	0	4.6	2.4
B				1260	0	3.6	2.4
C				1260	0	9.2	0
D				1260	0	15	2.4
E				1050	0	2.9	2.4
F				1050	0	3.9	5.6
G				1050	0	0	0
H				1050	0	2.4	0
I			N	1050	0	2.4	2.4
X2 A			A	1050	0	0	0
B				1050	0	0	0
C				1050	0	2.4	0
D				1050	0	9.1	5.6
E				1050	0	5.8	2.4
F				1050	0	5.8	0
X3 A				1680	0	2.9	15
B				1680	0	9.2	0
C				1680	0	2.2	5.6
D				1890	0	1.9	0
E				2100	0	3.9	15
F				1470	0	5.6	0
G				1470	0	1.9	2.4
H				1470	0	5.8	2.4

Surveyor (print name) M. JOHNSON / D. JOHNSON / G. MARCH

Surveyor (signature) [Signature]

Reviewed by [Signature]

Date 12-6-88



proto-powerbienco nuclear, inc.

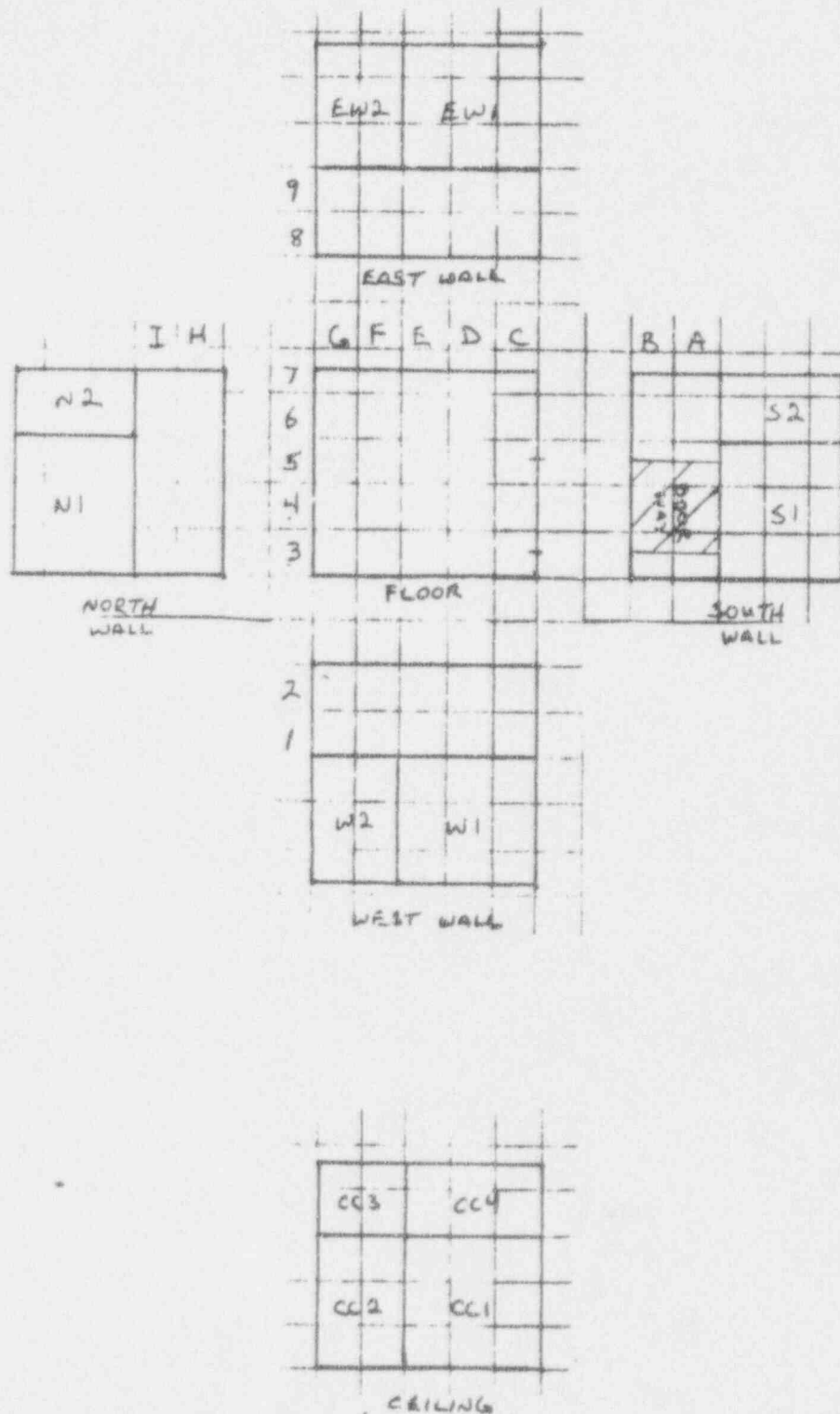
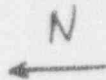
Radiological Control Survey Record Continuation Sheet

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NO.

ITEM NO	ITEMS	DOSE RATES		FIXED CONTAMINATION		SMEARABLE CONTAMINATION	
		β mrad/hr	γ mr/hr	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²	$\beta + \gamma$ dpm/100cm ²
X4 A	PIPING IN CEILING			1260	0	2.4	0
B				1770	0	12	0
C				1350	0	5.2	2.4
D				1680	0	2.4	5.6
E				1050	0	12	2.4
F				1050	0	9.2	2.4
G				1050	0	6.3	2.4
H				1050	0	2.4	0
I				1050	0	19	0

Surveyor (print name) M. JOHNSON / D. JOHNSON / G. MARCIN SC

Surveyor (signature) [Signature] Reviewed by [Signature] Date 12-6-11



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GRID MAP

JAN 29 1990

DATE 10-6-88

SURVEYOR (PRINT NAME) G. MARCHESE/M. JONWSTON/D. JONWSTON

TIME 1630

SURVEYOR (SIGNATURE) [Signature]