

**N.S. SAVANNAH
DAILY DOSIMETRY READER
CALIBRATION CHECK**

**RADOS DBR-1
Dosimeter reader**

Limits: G = ±26, R = ±26, H = ±101, M = ±26, L = ±26, I = ±5001

Date	4-2-05	4-4-05	4-5-05	4-6-05	4-7-05	4-8-05	
Code	Value	Code	Value	Code	Value	Code	Value
G	1	G	1	G	2	G	2
R	0	R	4	R	3	R	2
H	41	H	97	H	65	H	15
M	6	M	19	M	17	M	6
L	4	L	9	L	16	L	4
I	110	I	110	I	110	I	110
Pass	R&P						

Date	4-11-05	4-12-05	4-13-05	4-14-05	4-15-05	4-18-05	
Code	Value	Code	Value	Code	Value	Code	Value
G	1	G	2	G	2	G	2
R	4	R	3	R	5	R	4
H	28	H	27	H	8	H	26
M	9	M	1	M	7	M	1
L	3	L	1	L	2	L	0
I	110	I	110	I	110	I	110
Pass	R&P						

Date	4-19-05	4-20-05	4-21-05	4-22-05	4-25-05	4-26-05	
Code	Value	Code	Value	Code	Value	Code	Value
G	2	G	1	G	2	G	1
R	7	R	3	R	4	R	4
H	5	H	37	H	71	H	85
M	8	M	3	M	11	M	22
L	3	L	2	L	6	L	9
I	110	I	110	I	110	I	102
Pass	R&P						

Date	4-19-05	4-20-05	4-21-05	4-22-05	4-25-05	4-26-05	
Code	Value	Code	Value	Code	Value	Code	Value
G	?	G	?	G	?	G	?
R	?	R	?	R	?	R	?
H	?	H	?	H	?	H	?
M	?	M	?	M	?	M	?
L	?	L	?	L	?	L	?
I	?	I	?	I	?	I	?

Pass

Initial under Value column for Pass

**APPENDIX C
RADIOLOGICAL DATA SHEETS**

(Log summary, radiological data sheets NSS – 0001 through 0101 with sample location maps and confirmatory lab analyses)

**N. S. SAVANNAH
SURVEY LOG**

Survey No.	Date	Location
NSS-0001	3/28/05	PORT SIDE "A" DECK STATEROOMS & OTHER ROOMS
NSS-0002	3/28/05	PORT SIDE "A" DECK STATEROOMS & OTHER ROOMS
NSS-0003	3/28/05	STARBOARD STATEROOMS "A" DECK
NSS-0004	3/28/05	STARBOARD STATEROOMS "A" DECK
NSS-0005	3/28/05	"A" DECK STARBOARD BARBER SHOP
NSS-0006	3/28/05	STARBOARD SIDE "B" DECK CREW STATEROOMS
NSS-0007	3/28/05	STARBOARD SIDE "B" DECK CREW & OFFICER STATEROOMS
NSS-0008	3/28/05	"B" DECK PORT SIDE UNIVERSITY OF SOUTH CAROLINA OFFICERS
NSS-0009	3/28/05	"B" DECK PORT SIDE CREW PANTRY
NSS-0010	3/29/05	STATEROOM 34 PORT SIDE "A" DECK
NSS-0011	3/29/05	"B" DECK PORT CTR. MESS ROOM & CTR. LOUNGE
NSS-0012	3/29/05	"B" DECK PORT SIDE OFFICERS MESS
NSS-0013	3/29/05	"B" DECK PORT SIDE STATEROOMS, OFFICER, CUNNINGHAM GEAR LOCKER
NSS-0014	3/29/05	"B" DECK CENTER LINE ROOMS FAN ROOM CONFERENCE ROOM
NSS-0015	3/29/05	"B" DECK CTR LINE MAIN GALLERY
NSS-0016	3/29/05	"B" DECK CTR LINE DINING ROOM
NSS-0017	3/29/05	"B" DECK INBOARD PORT SIDE STEWARD LAUNDRY
NSS-0018	3/29/05	"B" DECK CREW BARBER SHOP
NSS-0019	3/29/05	PROMENADE DECK VERANDA & MAIN LOUNGE
NSS-0020	3/29/05	BOAT DECK OFFICERS QTRS
NSS-0021	3/29/05	BOAT DECK OFFICERS QTRS
NSS-0022	3/29/05	NAVIGATION BRIDGE DECK & PILOT HOUSE

**N. S. SAVANNAH
SURVEY LOG**

Survey No.	Date	Location
NSS-0023	3/30/05	"C" DECK CREW CABINS
NSS-0024	3/30/05	"C" DECK MACHINA LOADING PASSAGE
NSS-0025	3/30/05	"C" DECK CO ² ROOM
NSS-0026	3/30/05	"C" DECK STARBOARD ^{PORT} SIDE ROOMS
NSS-0027	3/30/05	"C" DECK PORT ^{STAR} BOARD ROOMS
NSS-0028	3/30/05	ENGINE ROOM UPPER LANDING TO MACHINA PASSAGEWAY
NSS-0029	3/30/05	ENGINE ROOM UPPER LEVEL
NSS-0030	3/30/05	"C" DECK LOCKERS FOR BREATHING GEAR
NSS-0031	3/30/05	"A" DECK BOTTOM DRAIN OF EXHAUST VENT TO TOP OF MIST IN FRONT OF #4 HOLD COVER
NSS-0032	3/31/05	"C" DECK LAUNDRY & LINEN Rms
NSS-0033	3/31/05	"C" PORT & STARBOARD PASSAGEWAYS
NSS-0034	3/31/05	"C" HALLWAY AND LAUNDRY ENTRANCE
NSS-0035	3/31/05	SOURCE RECEIPT
NSS-0036	3/31/05	NAVIGATION DECK - EMERG. GEN. Rm
NSS-0037	3/31/05	"B" DECK HYDRAULIC EQUIPMENT PLATFORM
NSS-0038	3/31/05	"B" DECK CROW LAUNDRY, LIGHTING LOAD CTR. CLEANING GEAR LOCKER
NSS-0039	3/31/05	BOAT DECK → PROMENADE DECK → "A" DECK → "B" DECK → "C" DECK MACHINA CASING SPACE
NSS-0040	3/31/05	NAVIGATION DECK - BORON DUMP CONTROL Rm
NSS-0041	3/31/05	ENGINEERING WORK STATION HOLD #5
NSS-0042	3/31/05	MAIN ENGINE Rm LOWER LEVEL PORT SIDE OF SHaft
NSS-0043	3/31/05	MAIN ENGINE Rm LOWER LEVEL STARBOARD SIDE OF SHaft
NSS-0044	3/31/05	MAIN SHaft ALLEY

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SURVEY LOG**

Survey No.	Date	Location
NSS-0045	4/1/05	CONTROL ROOM FOR REACTOR
NSS-0046	4/1/05	14' FLAT DECK STARBOARD SIDE
NSS-0047	4/1/05	14' FLAT DECK PORT SIDE
NSS-0048	4/1/05	"D" DECK FOOD STORAGE STARBOARD SIDE
NSS-0049	4/1/05	"D" DECK SPECIAL STORAGE PORT SIDE
NSS-0050	4/1/05	"A" DECK AFT HOUSE
NSS-0051	4/1/05	"B" DECK STERN COMPARTMENTS
NSS-0052	4/1/05	"C" DECK EMERG. H.P. LAB
NSS-0053	4/1/05	"C" DECK (AFT OF H.P. LAB) COMPARTMENTS
NSS-0054	4/1/05	CARGO HOLD #4 B, C, D, HOLD DECKS
NSS-0055	4/4/05	"A" DECK PORT SIDE FAN ROOM AND PLUM
NSS-0056	4/4/05	"B" DECK STATEROOM B-1, PAID WASTE STORAGE
NSS-0057	4/4/05	14' FLAT FWD STABILIZER RM STARBOARD
NSS-0058	4/4/05	FWD STABILIZER RM STARBOARD LOWER LEVEL AND CROSS OVER TO PORT
NSS-0059	4/4/05	FWD STABILIZER RM PORT UPPER LEVEL
NSS-0060	4/4/05	FWD STABILIZER RM PORT LOWER LEVEL
NSS-0061	4/4/05	FWD WEATHER DECK HOUSES BETWEEN HATCHES 14
NSS-0062	4/5/05	"B" DECK FAN ROOM
NSS-0063	4/5/05	HOLD #4 "D" DECK STARBOARD
NSS-0064	4/5/05	"C" DECK COLD WATER CHEM LAB UPPER LEVEL
NSS-0065	4/5/05	HOLD DECK PORT & STARBOARD
NSS-0066	4/5/05	HALLWAY (CROSSOVER) ON HOLD DECK

**N. S. SAVANNAH
SURVEY LOG**

Survey No.	Date	Location
NSS-0067	4/6/05	SECONDARY CONTAINMENT "B" DECK AFT OF REACTOR
NSS-0068	4/6/05	"A" DECK HP LAB AT HOSPITAL
NSS-0069	4/7/05	PRIMARY CONTAINMENT INSIDE HATCH CONTROLS AND PLUG
NSS-0070	4/7/05	"D" DECK (COLD CHEM LAB) (FROM "C" DECK) RAD SAMPLING ROOM GAS ABSORPTION, EQUIP ROOM, WASTE STORAGE
NSS-0071	4/8/05	"C" DECK SECONDARY CONTAINMENT FWD
NSS-0072	4/8/05	"B" DECK SECONDARY CONTAINMENT
NSS-0073	4/8/05	"A" DECK SECONDARY CONTAINMENT
NSS-0074	4/8/05	PRIMARY CONTAINMENT AIR LOCK
NSS-0075	4/8/05	SECONDARY CONTAINMENT "D" DECK AFT MEZANINE AND LOWER BARRS
NSS-0076	4/8/05	SECONDARY CONTAINMENT LOWER LEVEL (HOLD DECK)
NSS-0077	4/11/05	PRIMARY CONTAINMENT HATCH (LOWER)
NSS-0078	4/11/05	PRIMARY CONTAINMENT ("C" DECK) 1 ST LEVEL PRELIMINARY SMOKE
NSS-0079	4/14/05	PRIMARY CONTAINMENT ("C" DECK) 1 ST LEVEL FWD
NSS-0080	4/11/05	STEAM CONDENSER HATCH (ENGINE ROOM)
NSS-0081	4/11/05	"D" DECK HOT CHEM. LAB AT CONTROL ROOM
NSS-0082	4/12/05	PRIMARY CONTAINMENT 4 TH LEVEL (HOLD DECK)
NSS-0083	4/12/05	PRIMARY CONTAINMENT 1 ST LEVEL ("C" DECK)
NSS-0084	4/12/05	PRIMARY CONTAINMENT 2 ND LEVEL ("D" DECK)
NSS-0085	4/12/05	PRIMARY CONTAINMENT 3 RD LEVEL (14' FEET)
NSS-0086	4/12/05	CHARGE PUMP ROOMS (PORT & STBD)
NSS-0087	4/13/05	PRIMARY CONTAINMENT 1 ST LEVEL ("C" DECK)
NSS-0088	4/14/05	SECONDARY CONTAINMENT LOWER LEVEL COAR, BOAR LOCATIONS

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SURVEY LOG**

Survey No.	Date	Location
NSS-0089	4/14/05	"U" SHAPED STEAM GENERATORS IN PRIMARY CONT.
NSS-0090	4/19/05	TOP OF CUPOLA STBD NITROGEN VALVE FLANGE
NSS-0091	4/19 ^{PM} 20 /05	PRIMARY WATER STORAGE TANK
NSS-0092	4/19 ^{PM} 20 /05	LEAD SAMPLE LOCATION - OUTER REACTOR WALL
NSS-0093	4/21/05	PRIMARY CONTAINMENT - STBD STEAM GEN WALL AREA
NSS-0094	4/21/05	PRIMARY CONTAINMENT FWD OF REACTOR 1 ST & 2 ND LEVEL
NSS-0095	4/21/05	PRIMARY CONTAINMENT PORT V TUBE STEAM GEN ACCESS COVER
NSS-0096	4/20/05	PRIMARY CONTAINMENT STBD V TUBE STEAM GEN INSIDE PRIMARY SIDE
NSS-0097	4/21/05	PRIMARY CONTAINMENT PORT V TUBE STEAM GEN INSIDE PRIMARY SIDE
NSS-0098	4/22/05	PRIMARY CONTAINMENT PORT V TUBE STEAM GEN POST JOB SURVEY
NSS-0099	4/25/05	SURVEY OF METALS USED ON JOB
NSS-0100	4/25/05	PORT STEAM DRUM SECONDARY
NSS-0101	4/26/05	PIPE FROM NITROGEN LINE IN PRIMARY CONT.
NSS-0102		
NSS-0103		
NSS-0104		
NSS-0105		
NSS-0106		
NSS-0107		
NSS-0108		
NSS-0109		
NSS-0110		

**N. S. SAVANNAH
SURVEY LOG**

Survey No.	Date	AIR SAMPLES Location
NSS-0111	4/5/05	COLD CHEM LAB "C" DECK
NSS-0112	4/6/05	ACCESS TO SECONDARY CONTAINMENT
NSS-0113	4/7/05	CHARGE Pump Room STBD.
NSS-0114	4/8/05	AIR LOCK Pa PRIMARY CONTAINMENT
NSS-0115	4/8/05	PRIMARY CONTAINMENT 1 ST LEVEL
NSS-0116	4/8/05	CHARGE Pump Room STBD RECHECK
NSS-0117	4/11/05	"C" DECK COLD CHEM LAB RECHECK
NSS-0118	4/11/05	PRIMARY CONTAINMENT 2 ND LEVEL
NSS-0119	4/11/05	SECONDARY CONTAINMENT LOWER LEVEL
NSS-0120	4/12/05	PRIMARY CONTAINMENT 4 TH LEVEL
NSS-0121	4/22/05	PRIMARY CONTAINMENT U TUBE STATION 6.13M. ACCESS COVER OPENING.
NSS-0122		
NSS-0123		
NSS-0124		
NSS-0125		
NSS-0126		
NSS-0127		
NSS-0128		
NSS-0129		
NSS-0130		
NSS-0131		
NSS-0132		

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0001

Date <u>3/28/05</u> Time <u>9:00 AM</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>CRADDOCK</u>	Inst. Type <u>LUDLUM</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>[Signature]</u>	Serial No. <u>45499</u>	Inst. Sn <u>97416</u>	
Reviewed <u>[Signature]</u>	β Factor <u>—</u>	Eff. <u>10%</u>	
	<u>BKG 4 μR/hr</u>	Bkg. <u>30</u> cpm	cpm

AREA PORT SIDE A DECK

COMPONENT _____

- Room THRESHOLD - 1
- DOOR KNOB - 2
- BATH FLOOR - 3
- AIR VENT-OUTD - 4
- BATH DOOR KNOB - 5

Toilet Porcelain & General
BRASS 7-8 μ R/hr Due
To Uranium or Thorium

LESS THAN BKG

PASS. LAUNDRY \leq BKG < 100 cpm

STRM #2 TC
~~LADIES LOCKER~~
 \leq BKG < 100 cpm

LADIES LOCKER #6
 \leq BKG < 100 cpm (Chain Locked)

STRM 12
12-15 M.R.M
REST RM \rightarrow BKG
* > 100 cpm TOILET *
(Chain Locked)

STRM 14
12-15 M.R.M
REST ROOM
* > 100 cpm IN TOILET *
(Chain Locked)

SMEAR RESULTS		IN DPM/100 CM ²		B - BETA IN mRAD/HR/100 CM ²					
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	\leq BKG	1	\leq BKG	1	\leq BKG	1	\leq BKG	1	\leq BKG
2	\leq BKG	2	\leq BKG	2	\leq BKG	2	\leq BKG	2	\leq BKG
3	\leq BKG	3	\leq BKG	3	\leq BKG	3	\leq BKG	3	\leq BKG
4	\leq BKG	4	\leq BKG	4	\leq BKG	4	\leq BKG	4	\leq BKG
5	\leq BKG	5	\leq BKG	5	\leq BKG	5	\leq BKG	5	\leq BKG

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN μ rem/hr

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0002

Date <u>3/28/05</u> Time <u>10:15 AM</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>CRADDOCK</u>	Inst. Type <u>LUDLUM</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>[Signature]</u>	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>	
Reviewed <u>[Signature]</u>	β^- Factor	Eff. <u>10%</u>	
	<u>BKG 4 R/h</u>	Bkg. <u>30</u> cpm	cpm

AREA PORT SIDE A DECK

COMPONENT _____

- Room THRESHOLD - 1
- DOOR KNOB - 2
- BATH FLOOR - 3
- AIR VENT (OVHD) - 4
- BATH ROOM KNOB - 5

TOILET GLAZE a Potassium
READS 7-8 μ R/h
Due TO Uranium or Thorium
~~RA~~

RESTRM ~~> BKG~~
NEAR TOILET

REST ROOM AREAS
> BKG-D > 100 cpm

RESTRM TOILET > 100 cpm
7 TO 8 μ R/h
FLOOR < 100 cpm

< BKG-D
STRM #20 < 100 cpm < BKG-D < BKG-D
STRM 26 STRM 32

SMEAR RESULTS IN DPM/100 CM ²				B - BETA in mRAD/hr/100 CM ²					
NO.	RESULTS	N.O.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKG	1	< BKG	1	< BKG				
2	< BKG	2	< BKG	2	< BKG				
3	< BKG	3	< BKG	3	< BKG				
4	< BKG	4	< BKG	4	< BKG				
5	< BKG	5	< BKG	5	< BKG				

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN μ rem/hr

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0003

Date <u>3-28-05</u> Time <u>8:00</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>Loman Scott</u>	Inst. Type <u>LUD MDI 19</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Loman Scott</u>	Serial No. <u>42972</u>	Inst. Sn <u>75809</u>	
Reviewed <u>Rubert Pennick</u>	β Factor <u>1</u>	Eff. <u>10%</u>	
	Background <u>4 MUR/hr</u>	Bkg. <u>40</u> cpm	cpm

AREA Portside, STATE ROOMS
STARBOARD + OFFICES A DECK

COMPONENT _____

- Room THRU 211 - 1
- Door 213 - 2
- BATH 200A - 3
- TR 211 - 4
- BATH DOOR 211 - 5

STR 3
FRSK < 100 cpm
DR < BKG

STR 9
FRSK < 100 cpm
DR < BKG

STR 15
FRSK < 100 cpm
DR < BKG

CHIEF STWARD
OFFICE
STR
FRSK < 100 cpm
DR < BKG

STR 21
FRSK < 100 cpm
DR < BKG

SMEAR RESULTS IN DPM/100 CM²				BETA IN mRAD/hr/100 CM²			
NO.	RESULTS	N O.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKG	1	< BKG	1	< BKG	1	< BKG
2	< BKG	2	< BKG	2	< BKG	2	< BKG
3	< BKG	3	< BKG	3	< BKG	3	< BKG
4	< BKG	4	< BKG	4	< BKG	4	< BKG
5	< BKG	5	< BKG	5	< BKG	5	< BKG

RA - RADIATION AREA CA - CONTAMINATION AREA ALL DOSE RATES IN μ rem/hr
RCA - RADIATION CONTROL AREA AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0004

Date <u>3/28/05</u> Time	DOSE RATE		CONTAMINATION	
Surveyor <u>LOMAN SCOTT</u>	Inst. Type <u>LDMD119</u>	Beta <u>✓</u> Alpha	Beta	Alpha
Signature <u>Loman Scott</u>	Serial No. <u>42972</u>	Inst. Sn <u>75809</u>		
Reviewed <u>Robert G. Pennell</u>	β Factor <u>1</u>	Eff. <u>10%</u>		
	Background <u>4 MAR/HR</u>	Bkg. <u>40</u> cpm		cpm

AREA STAR BOARD STATE ROOMS + OFFICE A DECK

COMPONENT _____

- 1 Room Threshold
- 2 Door Knobs
- 3 Bath Floor
- 4 AIR Vent overhead
- 5 Bath Door Knob

- STAR BOARD
- STAR - CLEANING ROOM
- 1. Threshold
 - 2. Floor
 - 3. SINK
 - 4 DOOR KNOB

- STAR BOARD
- STAR LINEN LOCKER
- 1 DOOR KNOB
 - 2 Threshold
 - 3. Floor
 - 4 OPEN HATCH
 - 5 VALVE HANDLES

STAR 27
FRSK < 100
DR < BKG

(CREW) NURSE
STAR 33
FRSK < 100
DR < BKG

CLEANING ROOM
FRSK < 100
DR < BKG

SMEAR RESULTS $\mu\text{BPM}/100\text{ CM}^2$				B - BETA $\mu\text{mRAD}/100\text{ CM}^2$			
NO.	RESULTS	N O.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKGD	1	< BKGD	1	< BKGD	1	< BKGD
2	< BKGD	2	< BKGD	2	< BKGD	2	< BKGD
3	< BKGD	3	< BKGD	3	< BKGD	3	< BKGD
4	< BKGD	4	< BKGD	4	< BKGD	4	< BKGD
5	< BKGD	5	< BKGD	5	< BKGD	5	< BKGD

RA - RADIATION AREA CA - CONTAMINATION AREA ALL DOSE RATES IN $\mu\text{rem}/\text{hr}$
RCA - RADIATION CONTROL AREA AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0005

Date <u>3/28/05</u> Time <u>1210</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>Loman Scott</u>	Inst. Type <u>Ludlum 19</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Loman Scott</u>	Serial No. <u>42972</u>	Inst. Sn <u>75809</u>	
Reviewed <u>Robert Pineda</u>	β^- Factor <input checked="" type="checkbox"/>	Eff. <u>10%</u>	
<u>BT</u>	<u>BKG 40 MR/h</u>	Bkg. <u>40</u> cpm	cpm

AREA B DECKS A. DECK BARBER SHOP

COMPONENT _____

- 1 - Door Threshold
- 2 - Door Handle
- 3 - Inner Air vent
- 4 - outer Air vent
- 5 - Forward sink
- 6 - Aft sink
- 7 - Floor (Aft chair)

Barber Shop
ERSK < 100
DM < BKG

SMEAR RESULTS IN DPM/100 CM²		B - BETA IN MRAD/hr/100 CM²							
NO.	RESULTS	N O.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKG								
2	< BKG								
3	< BKG								
4	< BKG								
5	< BKG								
6	< BKG								
7	< BKG								

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN μ rem/hr

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

PAGE

NSS-01

SURVEY NO. NSS-0006

Date <u>3/28/05</u> Time <u>1210</u>	DOSE RATE		CONTAMINATION	
Surveyor <u>LOMAN SCOTT</u>	Inst. Type <u>Ludlum 19</u>	Beta <input checked="" type="checkbox"/>	Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Loman Scott</u>	Serial No. <u>42972</u>	Inst. Sn <u>75809</u>		
Reviewed <u>Ralph Purnell</u>	β Factor <input checked="" type="checkbox"/>	Eff. <u>10%</u>		
	<u>BKG 4.0 uR/hr</u>	Bkg. <u>40</u> cpm	cpm	

AREA B DECK CREW STATROOMS
STARBOARD SIDE

COMPONENT _____

- 1- Threshold
- 2- Door knob
- 3- Bath Floor
- 4- Bath knob
- 5- Air vent
- 6- Floor in front of bath

Crew *Crew* *Crew* *Crew* *Crew*

B-5 FRSK < 100 DM < BKG
B-11 FRSK < 100 DM < BKG
B-17 FRSK < 100 DM < BKG
B-23 FRSK < 100 DM < BKG
B-29 FRSK < 100 DM < BKG

SMEAR RESULTS α - DPM/100 CM ²				BETA in mRAD/hr/100 CM ²			
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKGD	1	< BKGD	1	< BKGD	1	< BKGD
2	< BKGD	2	< BKGD	2	< BKGD	2	< BKGD
3	< BKGD	3	< BKGD	3	< BKGD	3	< BKGD
4	< BKGD	4	< BKGD	4	< BKGD	4	< BKGD
5	< BKGD	5	< BKGD	5	< BKGD	5	< BKGD
6	< BKGD	6	< BKGD	6	< BKGD	6	< BKGD

RA - RADIATION AREA CA - CONTAMINATION AREA ALL DOSE RATES IN μ rem/hr
RCA - RADIATION CONTROL AREA AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0007

Date <u>3/29/05</u> Time <u>11:00</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>Loman Scott</u>	Inst. Type <u>LUDM D119</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Loman Scott</u>	Serial No. <u>42972</u>	Inst. Sn <u>75809</u>	
Reviewed <u>Robert Gunn</u>	β Factor	Eff. <u>100%</u>	
	<u>BKGD</u>	Bkg. <u>40</u> cpm	cpm

AREA B DECK CREW + OFFICERS QUARTERS
STARBOARD SIDE

COMPONENT _____

- 1 - THRESHOLD
- 2 - DOOR KNOB
- 3 - BATH FLOOR
- 4 - BATH DOOR KNOB
- 5 - AIR VENT
- 6 - FLOOR IN FRONT OF BATH

CREW *CREW* *OFFICERS QUARTERS* *OFFICERS QUARTERS* *OFFICERS QUARTERS*

B-35 B-41 B-45 B-49 B-53
 FRSK < 100 FRSK < 100 FRSK < 100 FRSK < 100 FRSK < 100
 DM < BKG DM < BKG DM < BKG DM < BKG DM < BKG

SMEAR RESULTS IN DPM/100 CM^2		SMEAR RESULTS $\text{IN mRAD/hr/100 CM}^2$	
NO.	RESULTS	N.O.	RESULTS
1	< BKGD	1	< BKGD
2	< BKGD	2	< BKGD
3	< BKGD	3	< BKGD
4	< BKGD	4	< BKGD
5	< BKGD	5	< BKGD
6	< BKGD	6	< BKGD

RA - RADIATION AREA CA - CONTAMINATION AREA ALL DOSE RATES IN $\mu\text{rem/hr}$
 RCA - RADIATION CONTROL AREA AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

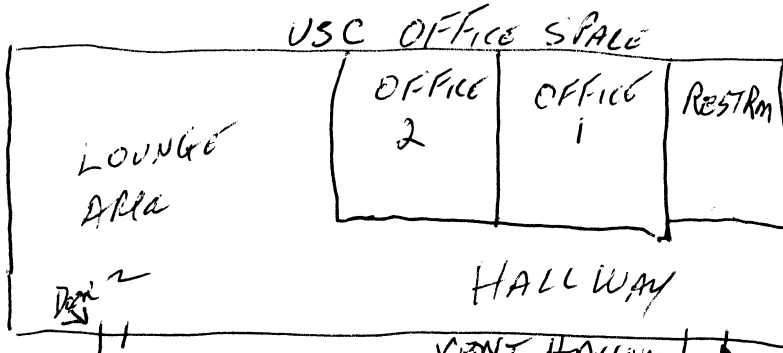
NSS-01

SURVEY NO. *NSS-0008*

Date <i>3/28/05</i> Time <i>1:00 PM</i>	DOSE RATE	CONTAMINATION	
Surveyor <i>Craddock</i>	Inst. Type <i>LUDELUM</i>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <i>[Signature]</i>	Serial No. <i>95499</i>	Inst. Sn <i>97416</i>	
Reviewed <i>[Signature]</i>	β^- Factor <i>100%</i>	Eff. <i>100%</i>	
	<i>336 d.u.R/hr</i>	Bkg. <i>30</i> cpm	cpm

AREA UNIVERSITY of SOUTH CAROLINA OFFICE SPACES
B DECK PORT

COMPONENT _____



1. ~~RESTRM~~ DOOR 1 THRESHOLD
2. DOOR KNOB # 1
3. FLOOR of HALLWAY
4. DECK RESTRM
5. DOOR KNOB RM
6. ~~DOOR OFFICE #1~~ VENT. HALLWAY
7. DOOR KNOB OFFICE 1 N/A
8. DECK OFFICE 2 N/A
9. DOOR KNOB OFFICE 2 N/A
10. THRESHOLD DOOR 2
11. DOOR KNOB # 2
12. VENT IN LOUNGE
13. VENT OFFICE # 2
14. VENT OFFICE # 1
15. VENT RESTRM

USC OFFICE SPACES
DR < BKGD
FRISK < 100 CPM

SMEAR RESULTS IN DPM/100 CM^2		B - BETA in mRAD/hr/100 CM ²							
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKGD	6	< BKGD	11	< BKGD				
2	< BKGD	7	NA	12	< BKGD				
3	< BKGD	8	NA	13	< BKGD				
4	< BKGD	9	NA	14	< BKGD				
5	< BKGD	10	< BKGD	15	< BKGD				

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN $\mu\text{rem/hr}$

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0009

Date <u>3/28/05</u> Time <u>1:30 PM</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>CRADDOCK</u>	Inst. Type <u>LUDLUM</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>[Signature]</u>	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>	
Reviewed <u>[Signature]</u>	β^- Factor <u>10%</u>	Eff. <u>10%</u>	
	<u>BKG 4 uR/hr</u>	Bkg 4 uR/hr cpm	<u>30 cpm</u>

AREA CREW PANTY B DECK PORT

COMPONENT _____

- 1- THRESHOLD
- 2- DOOR KNOB
- 3- DECK
- 4- VENTILATION
- 5- DK DRAIN

< BKGD
< 100 cpm

SMEAR RESULTS # DPM/100 CM²		B - BETA in mRAD/hr/100 CM²							
NO.	RESULTS	N O.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKGD								
2	< BKGD								
3	< BKGD								
4	< BKGD								
5	< BKGD								

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN μ rem/hr

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. ^{REP} NSS-80010

Date 3/29/05 Time 8:00 AM	DOSE RATE	CONTAMINATION	
Surveyor CRAMONIC	Inst. Type LUDDLUM	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <i>[Signature]</i>	Serial No. 95499	Inst. Sn 97416	
Reviewed <i>[Signature]</i>	β^- Factor 100% N/A	Eff. 10%	
	4 MR/HR BKGD	Bkg. 30 cpm	cpm

AREA STATE ROOM 34 PORT A DECK

COMPONENT _____

- 1 - THRESHOLD of DOORWAY
- 2 - DOOR KNOB of SR DOOR
- 3 - VENTILATION DUCT
4. BATH ROOM DECK
5. BATH ROOM DOOR KNOB

Dose RATE - < BKGD
~~FAST~~ COUNT RATE < 100 cpm (30-40 cpm)

SMEAR RESULTS IN $\mu\text{R}/100\text{ CM}^2$		B - BETA $\mu\text{R}/100\text{ CM}^2$							
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKGD								
2	< BKGD								
3	< BKGD								
4	< BKGD								
5	< BKGD								

RA - RADIATION AREA CA - CONTAMINATION AREA ALL DOSE RATES IN $\mu\text{rem/hr}$
RCA - RADIATION CONTROL AREA AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

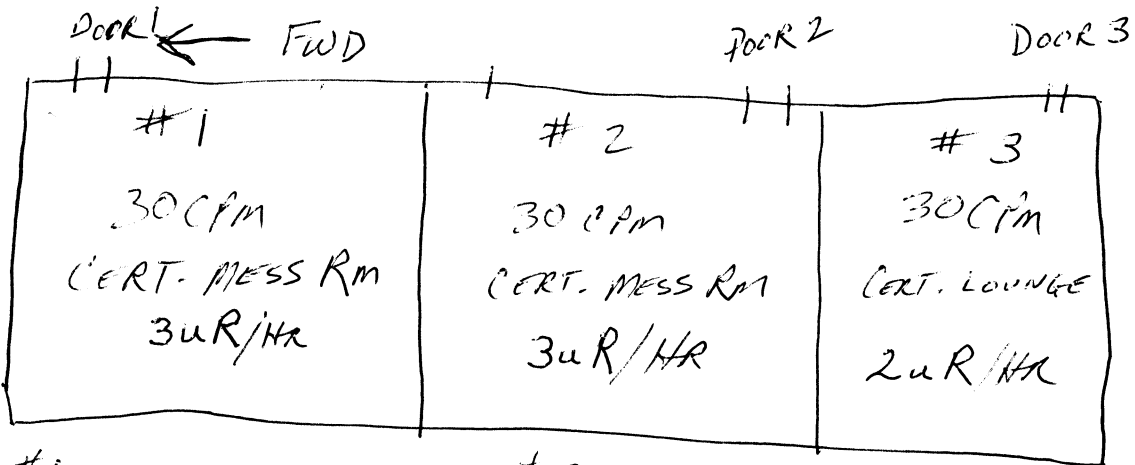
NSS-01

SURVEY NO. *NSS-0011*

Date <i>3/29/05</i> Time <i>5:30 AM</i>	DOSE RATE	CONTAMINATION	
Surveyor <i>CRADOCK</i>	Inst. Type <i>LUDELUM</i>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <i>Craddock</i>	Serial No. <i>95499</i>	Inst. Sn 97416	
Reviewed <i>Barry Blinn</i>	β Factor <i>10%</i>	Eff. <i>10%</i>	
	<i>Bkg 4 μR/hr</i>	Bkg. <i>30</i> cpm	cpm

AREA *"B" DECK CERT. MESS ROOM + CERT. LOUNGE*

COMPONENT _____



- #1
1. THRESHOLD
 2. DOOR KNOB
 3. VENTILATION
 4. WATER FOUNTAIN

- #2
1. THRESHOLD
 2. DOOR KNOB
 3. VENTILATION

- #3
1. THRESHOLD
 2. DOOR KNOB
 3. VENTILATION
 4. WATER FOUNTAIN

MESSRM BACKGROUND 3 uR/hr

30 cpm

MESSRM BACKGROUND 3 uR/hr

30 cpm

LOUNGE BACKGROUND 2 uR/hr

30 cpm

#1 MESSRM. / #2 MESS RM / #3 LOUNGE

SMEAR RESULTS IN DPM/100 CM²				BETA IN mRAD/hr/100 CM²			
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKGD	1	< BKGD	1	< BKGD		
2	< BKGD	2	< BKGD	2	< BKGD		
3	< BKGD	3	< BKGD	3	< BKGD		
4	< BKGD			4	< BKGD		

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN μ rem/hr

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

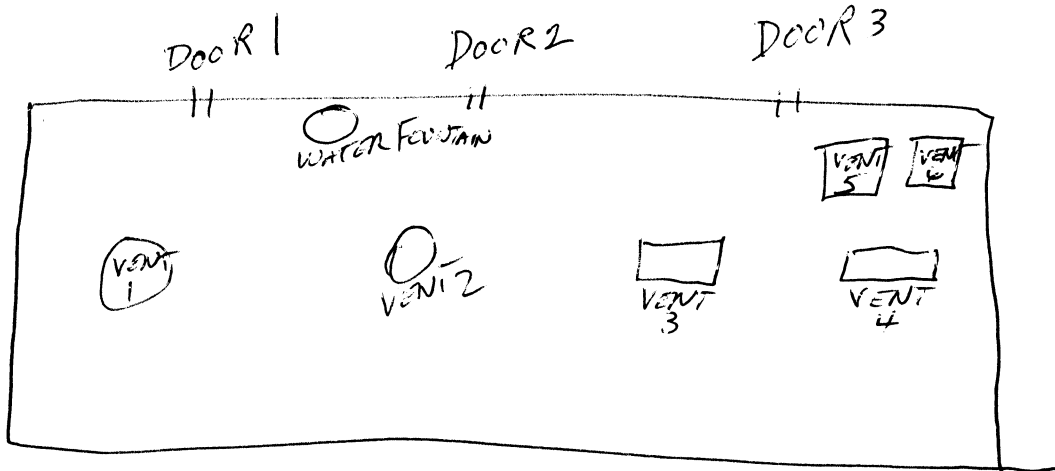
NSS-01

SURVEY NO. NSS-0012

Date <u>3/29/05</u> Time <u>9:00 AM</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>CRADDOCK</u>	Inst. Type <u>LUDLUM</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>[Signature]</u>	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>	
Reviewed <u>[Signature]</u>	β Factor <u>10%</u>	Eff. <u>10%</u>	
	<u>BKG 2 uR/hr</u>	Bkg. <u>30</u> cpm	cpm

AREA B DECK PORT OFFICERS MESS

COMPONENT _____



- 1 - THRESHOLD Door 1
- 2 - DOOR KNOB Door 1
- 3 - VENT 1
- 4 - WATER FOUNTAIN
- 5 - VENT 2
- 6 - THRESHOLD Door 2
- 7 - DOOR KNOB Door 2
- 8 - VENT 3
- 9 - VENT 4
- 10 - VENT-5
- 11 - THRESHOLD Door 3
- 12 - DOOR KNOB Door 3
- 13 - VENT 6

DR < 2 uR/hr BKGD
BKG < 30 CPM

SMEAR RESULTS α IN DPM/100 CM ²				β - BETA in mRAD/hr/100 CM ²			
NO.	RESULTS	N.O.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKGD	9	< BKGD				
2	< BKGD	10	< BKGD				
3	< BKGD	11	< BKGD				
4	< BKGD	12	< BKGD				
5	< BKGD	13	< BKGD				
6	< BKGD						
7	< BKGD						
8	< BKGD						

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN μ rem/hr

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0013

Date <u>3/29/95</u> Time <u>9:20</u>	DOSE RATE		CONTAMINATION	
Surveyor <u>CRAIG/CIC</u>	Inst. Type <u>LUDLUM</u>	Beta <input checked="" type="checkbox"/>	Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>[Signature]</u>	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>		
Reviewed <u>[Signature]</u>	β Factor	Eff. <u>10%</u>		
	<u>2 uR/hr</u>	Bkg. <u>30 cpm</u>	cpm	

AREA B DECK PORT B-8 STATE ROOM, B14 STATE Rm, B18 STATE Rm
CLEANING GEAR LOCKER, OFFICE

COMPONENT _____

- 1 THRESHOLD
- 2 DOOR KNOB
- 3 VENTILATION
- 4 DECK BATH Rm
- 5 BATH Rm DOOR KNOB

- CLEANING GEAR LOCKER
- 1. ~~THRESHOLD~~
 - 2. DOOR KNOB
 - 3- DECK
 - 4- VENT

- OFFICE
- 1. THRESHOLD
 - 2. DOOR KNOB
 - 3 VENT

FRISK 30 CPM DR < 3 uR/hr BKGD
FRISK 30 CPM DR < 2 uR/hr BKGD
FRISK 30 CPM DR < 2 uR/hr BKGD
FRISK 30 CPM DR < 2 uR/hr BKGD
FRISK 30 CPM DR < 2 uR/hr BKGD
FRISK 30 CPM DR < 2 uR/hr BKGD
FRISK 30 CPM DR < 2 uR/hr BKGD

STATE Rm B8 STATE Rm B14 STATE ROOM B18 CLEANING GEAR LOCKER OFFICE
NEXT TO CLEANING LOCKER

SMEAR RESULTS		SMEAR RESULTS		SMEAR RESULTS		SMEAR RESULTS		SMEAR RESULTS	
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKGD	1	< BKGD	1	< BKGD	1	< BKGD	1	< BKGD
2	< BKGD	2	< BKGD	2	< BKGD	2	< BKGD	2	< BKGD
3	< BKGD	3	< BKGD	3	< BKGD	3	< BKGD	3	< BKGD
4	< BKGD	4	< BKGD	4	< BKGD	4	< BKGD		
5	< BKGD	5	< BKGD	5	< BKGD	5	< BKGD		

RA - RADIATION AREA CA - CONTAMINATION AREA ALL DOSE RATES IN μ rem/hr
RCA - RADIATION CONTROL AREA AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

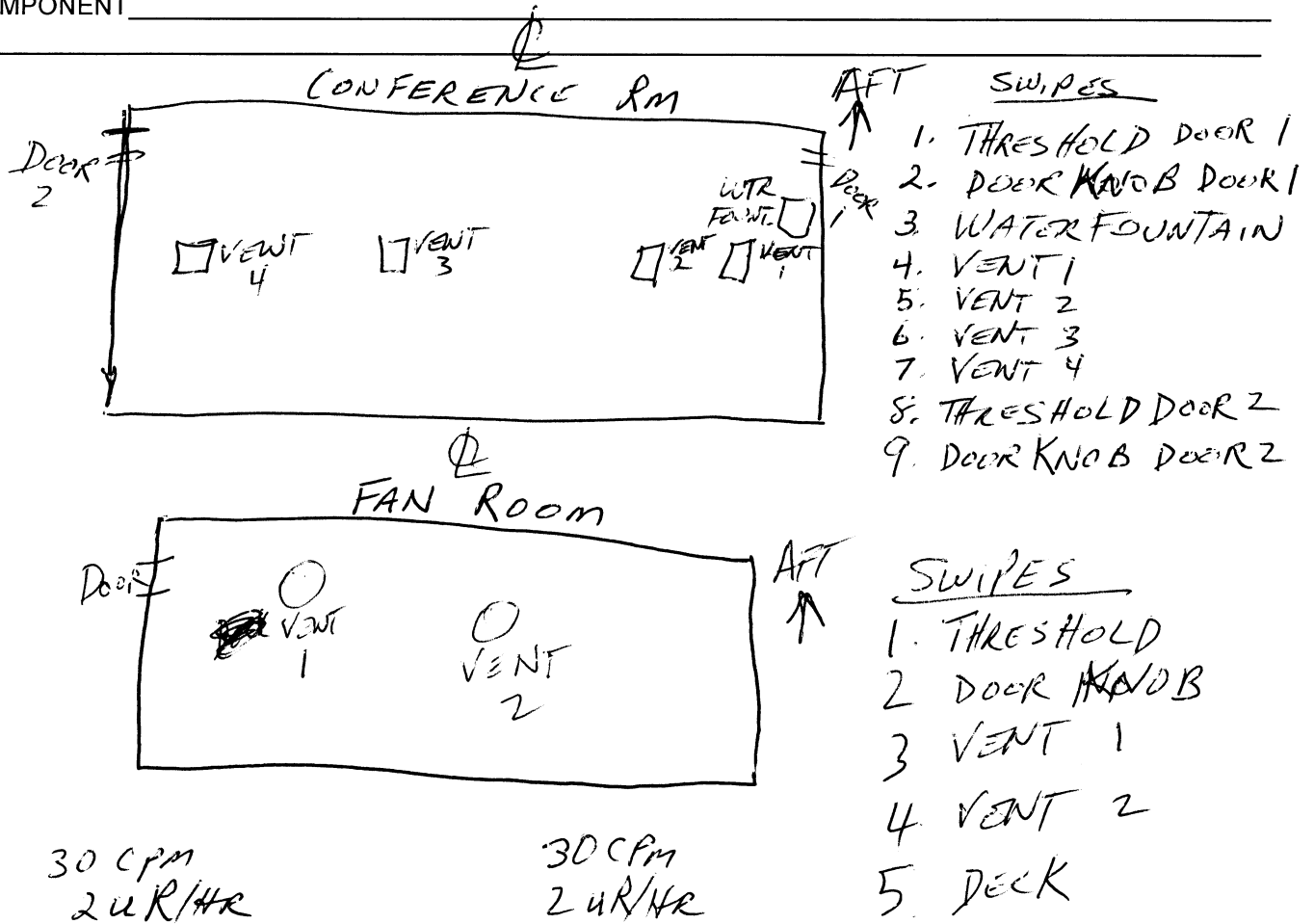
NSS-01

SURVEY NO. NSS-0014

Date <u>3-29-05</u> Time	DOSE RATE	CONTAMINATION	
Surveyor <u>Cordlock</u>	Inst. Type <u>LUDLUM</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Cordlock</u>	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>	
Reviewed <u>Ruby Pinnock</u>	β Factor <u>10%</u>	Eff. <u>10%</u>	
	<u>2 uR/hr</u>	Bkg. <u>30</u> cpm	cpm

AREA B DECK ~~CONFERENCE Rm~~ CONFERENCE Rm FAN ROOM CENTER LINE Rms

COMPONENT _____



CONFERENCE Rm. FAN Rm

SMEAR RESULTS α IN DPM/100 CM ²				β BETA in mRAD/hr/100 CM ²					
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKGD	9	< BKGD	1	< BKGD				
2	< BKGD			2	< BKGD				
3	< BKGD			3	< BKGD				
4	< BKGD			4	< BKGD				
5	< BKGD			5	< BKGD				
6	< BKGD								
7	< BKGD								
8	< BKGD								

RA - RADIATION AREA CA - CONTAMINATION AREA ALL DOSE RATES IN μ rem/hr
RCA - RADIATION CONTROL AREA AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0015

Date <u>3/29/05</u> Time 11:30	DOSE RATE	CONTAMINATION	
Surveyor <u>Cradlock</u>	Inst. Type <u>LUDLUM</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Cradlock</u>	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>	
Reviewed <u>Rob DePenna</u>	β Factor <u>4uR/hr</u>	Eff. <u>10%</u>	
	<u>4uR/hr</u> BKG	Bkg. <u>30</u> cpm	cpm

AREA B DECK CENTER LINE MAIN GALLEY

COMPONENT _____

SWIPES

1. DOOR 1 THRESHOLD	19. DUMBWAITER
2. " KNOB	20. VENT 1
3. DOOR 2 THRESHOLD	21. " 2
4. " KNOB	22. " 3
5. DOOR 3 THRESHOLD	23. " 4
6. " KNOB	24. " 5
7. DOOR 4 THRESHOLD	25. " 6 PORT
8. " KNOB	26. " 7
9. DOOR 5 THRESHOLD	27. " 8
10. " KNOB	28. " 9
11. DOOR 6 THRESHOLD	29. " 10
12. " KNOB	30. " 11
13. DOOR 7 THRESHOLD	
14. " KNOB	
15. DOOR 8 THRESHOLD	
16. " KNOB	
17. DOOR 9 THRESHOLD	
18. " KNOB	

D.R. < BKG D
FRISK < 100 CPM FOR ~~ENTIRE~~ ENTIRE MAIN GALLEY

SMEAR RESULTS $\mu\text{BPM}/100\text{CM}^2$				B - BETA in mRAD/hr/100 CM ²			
NO.	RESULTS	N.O.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKG D	9	< BKG D	17	< BKG D	25	< BKG D
2	< BKG D	10	< BKG D	18	< BKG D	26	< BKG D
3	< BKG D	11	< BKG D	19	< BKG D	27	< BKG D
4	< BKG D	12	< BKG D	20	< BKG D	28	< BKG D
5	< BKG D	13	< BKG D	21	< BKG D	29	< BKG D
6	< BKG D	14	< BKG D	22	< BKG D	30	< BKG D
7	< BKG D	15	< BKG D	23	< BKG D		
8	< BKG D	16	< BKG D	24	< BKG D		

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN $\mu\text{rem/hr}$

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0016

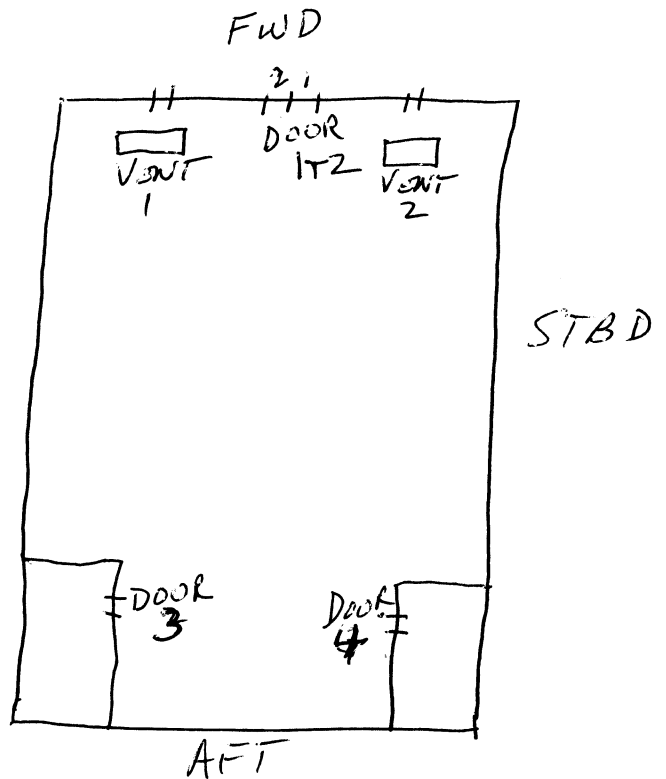
Date <u>3/29/05</u> Time	DOSE RATE	CONTAMINATION	
Surveyor <u>CRADOCK</u>	Inst. Type <u>LUDDLUM</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Craddock</u>	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>	
Reviewed <u>Ralph Pennard</u>	β Factor <u>4MR/H</u>	Eff. <u>10%</u>	
	<u>4uR/H BKG</u>	Bkg. <u>30 cpm</u>	cpm

AREA B DECK CENTER LINE DINING ROOM

COMPONENT _____

1. DOOR 1 THRESHOLD
2. DOOR 1 KNOB
3. DOOR 2 THRESHOLD
4. " KNOB
5. DOOR 3 THRESHOLD
6. " KNOB
7. DOOR 4 THRESHOLD
8. DOOR 4 KNOB
9. VENT 1
10. VENT 2

PORT



DR < BKGD ENTIRE DINING RM
FRISK 100 cpm

SMEAR RESULTS $\mu\text{BPM}/100\text{ CM}^2$				B = BETA in $\text{mRAD}/\text{hr}/100\text{ CM}^2$			
NO.	RESULTS	N.O.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	<BKGD	9	<BKGD				
2	<BKGD	10	<BKGD				
3	<BKGD						
4	<BKGD						
5	<BKGD						
6	<BKGD						
7	<BKGD						
8	<BKGD						

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN $\mu\text{rem}/\text{hr}$

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0017

Date <u>3-29-05</u> Time <u>1355</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>Cradock</u>	Inst. Type <u>Lucilon</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Cradock</u>	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>	
Reviewed <u>R. W. Pennock</u>	β^- Factor <u>4uR/Hr</u>	Eff. <u>10%</u>	
	<u>4uR/Hr</u>	Bkg. <u>30</u> cpm	cpm

AREA B Deck Inboard Portside Steward Laundry

COMPONENT _____

DR 2 BKGD
FRISK < 100 CPM

SMEAR RESULTS IN DPM/100 CM²		B BETA in mRAD/hr/100 CM ²							
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKGD								
2	< BKGD								
3	< BKGD								
4	< BKGD								

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN μ rem/hr

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0018

Date <u>3-24-05</u> Time <u>1345</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>CRADOCK</u>	Inst. Type <u>Wellm</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>[Signature]</u>	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>	
Reviewed <u>[Signature]</u>	B Factor <u>4 uR/H</u> <u>BKG</u>	Eff. <u>10%</u>	
		Bkg. <u>30</u> cpm	cpm

AREA B Deck CERT BARBER SHOP (CREW)

COMPONENT _____

- 3 - FLOOR
- 4 - DOOR KNOBS
- 5 - THRESHOLD

D.R. MATERIAL
FRSK LBKGD
FRSK < 100 cpm

SMEAR RESULTS		IN DPM/100 CM² B - BETA in mRAD/hr/100 CM²							
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	NA								
2	NA								
3	< BKGD								
4	< BKGD								
5	< BKGD								

RA - RADIATION AREA CA - CONTAMINATION AREA ALL DOSE RATES IN μ rem/hr
RCA - RADIATION CONTROL AREA AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0019

Date <u>3-29-05</u> Time <u>0800-0900</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>LAMAN SCOTT</u>	Inst. Type <u>LUDLUM</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Laman Scott</u>	Serial No. <u>42972</u>	Inst. Sn <u>91037</u>	
Reviewed <u>Ralph Pennach</u>	β Factor <u>1</u>	Eff. <u>10%</u>	
	<u>BKG 4.0 μR/hr</u>	Bkg. <u>40</u> cpm	cpm

AREA Promenade Deck VERANDA & MAIN LOUNGE

COMPONENT _____

- 1 SWIMMING POOL DOOR HANDLE PORTSIDE
- 2 MIDDLE OF DANCE FLOOR
- 3 CLEANING ROOM LOCKER PORTSIDE THRESHOLD
- 4 ^{PANTRY} KITCHEN HAND CLEANING SINK PORTSIDE
- 5 MENS BATHROOM PORTSIDE HAND SINK
- 6 PROMENADE THRESHOLD STARBOARD
- 7 LADIES POWDER ROOM HAND SINK
- 8 PROJECTION ROOM PORT EXIT DOOR HANDLE
- 9 FAN ROOM STARBOARD FLOOR
- 10 FAN ROOM PORT FLOOR

FSKR - ≤ 100
DM - \leq BKG

SMEAR RESULTS μ n DPM/100 CM ²				B - BETA in mRAD/hr/100 CM²					
NO.	RESULTS	N.O.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	\leq BKG	9	\leq BKG						
2	\leq BKG	10	\leq BKG						
3	\leq BKG								
4	\leq BKG								
5	\leq BKG								
6	\leq BKG								
7	\leq BKG								
8	\leq BKG								

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN μ rem/hr

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0020

Date <u>3-29-05</u> Time <u>0900</u>	DOSE RATE		CONTAMINATION	
Surveyor <u>LAMAN SCOTT</u>	Inst. Type <u>Ludlum 19</u>	Beta <input checked="" type="checkbox"/>	Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Laman Scott</u>	Serial No. <u>42972</u>	Inst. Sn <u>91037</u>		
Reviewed <u>Robert Kuma</u>	β Factor <u>1</u>	Eff. <u>10%</u>		
	<u>BKG 400 p/m</u>	Bkg. <u>40</u> cpm	cpm	

AREA BOAT DECK

COMPONENT _____

1. OFFICERS LOUNGE THRESHOLD
2. OFFICERS LOUNGE HAND SINK
3. OFFICERS LOUNGE DOOR KNOB
4. OFFICERS LOUNGE VENT
5. OFFICERS LOUNGE FLOOR

1. OFFICERS LAUNDRY FLOOR
2. OFFICERS LAUNDRY SINK

STATE ROOMS (OFFICERS)

1. THRESHOLD
2. DOOR KNOB
3. BATH FLOOR
4. BATH DOOR KNOB
5. AIR VENT
6. FLOOR

OFFICERS LOUNGE

PORT SIDE OFFICERS LAUNDRY

STATE ROOM BT 12

#3 120CPM GROSS READING
80 NET CPM

STATE ROOM BT 8

CHIEF RO
STATE ROOM BT 8
ENER

FRSK < 100cpm
DM < BKG

FRSK < 100cpm
DM < BKG

FRSK < 100cpm
DM < BKG

FRSK < 100cpm
DM < BKG

FRSK < 100cpm
DM < BKG

SMEAR RESULTS \pm NDPM/100CM ²				BETA in mRAD/hr/100CM ²					
NO.	RESULTS	N.O.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKGD	1	< BKGD	1	< BKGD	1	< BKGD	1	< BKGD
2	< BKGD	2	< BKGD	2	< BKGD	2	< BKGD	2	< BKGD
3	< BKGD			3	< BKGD	3	< BKGD	3	< BKGD
4	< BKGD			4	< BKGD	4	< BKGD	4	< BKGD
5	< BKGD			5	< BKGD	5	< BKGD	5	< BKGD
				6	< BKGD	6	< BKGD	6	< BKGD

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0021

Date <u>3-29</u> Time <u>1010</u>	DOSE RATE		CONTAMINATION	
Surveyor <u>LOMAN SCOTT</u>	Inst. Type <u>Lydium 19</u>	Beta <input checked="" type="checkbox"/>	Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Loman Scott</u>	Serial No. <u>42972</u>	Inst. Sn <u>91037</u>		
Reviewed <u>Robert Pennick</u>	β^- Factor <input checked="" type="checkbox"/>	Eff. <u>10%</u>		
	<u>BKG 4.0 uR/m</u>	Bkg. <u>40</u> cpm	cpm	

AREA OFFICERS DECK (BOAT DECK)

COMPONENT _____

- OFFICERS STATE ROOMS
- 1 THRESHOLD
- 2 DOOR KNOB
- 3 BATH FLOOR
- 4 BATH DOOR KNOB
- 5 AIR VENT
- 6 FLOOR
- 7 SINK

1st ASSI. ENG (2ND ENTR)
FRSK < 100 cpm DM < BKG BT-6

CAPTAIN'S QUARTERS
FRSK < 100 cpm DM < BKG BT-11 (E/EUEN)

CLEANING GEAR LOCKER
FRSK < 100 cpm DM < BKG BT-13

SMEAR RESULTS		RESULTS		RESULTS		RESULTS		RESULTS	
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKGD	1	< BKGD	1	< BKGD	1	< BKGD	2	< BKGD
2	< BKGD	2	< BKGD	2	< BKGD	2	< BKGD	6	SKIP
3	< BKGD	3	< BKGD	3	< BKGD	3	< BKGD	7	< BKGD
4	< BKGD	4	< BKGD	4	< BKGD	4	< BKGD		
5	< BKGD	5	< BKGD	5	< BKGD	5	< BKGD		
6	< BKGD	6	< BKGD	6	< BKGD	6	< BKGD		

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN μ rem/hr

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0022

Date	Time	DOSE RATE		CONTAMINATION	
3-29-05	1300	Inst. Type	LUDLUM 19	Beta <input checked="" type="checkbox"/>	Alpha <input type="checkbox"/>
Surveyor	Loman Scott	Serial No.	42972	Inst. Sn	91037
Signature	Loman Scott	β^- Factor	1	Eff.	10%
Reviewed	Robert Pinnick	Bkg.	40 cpm	Bkg.	40 cpm

AREA NAVIGATION BRIDGE DECK

COMPONENT _____

1. threshold
2. DOOR KNOTS
3. Bathroom floor
4. Bathroom Door Knots
5. AIR Vent
- 6 Floor
7. SINK
- 8 ELEVATOR EQUIPMENT PLATFORM RIGHT
- 9 ELEVATOR EQUIPMENT PLATFORM LEFT

NOT ALL LOCATIONS
TAKEN IN EACH ROOM

FRSK < 100cpm BRIDGE TOILET
DM < BKG
FRSK < 100cpm CLEANING GEAR LOCKERS
DM < BKG
FRSK < 100cpm NB-2
DM < BKG
FRSK < 100cpm NB-4
DM < BKG
FRSK < 100cpm ELEVATOR ROOM
DM < BKG

SMEAR RESULTS IN DPM/100 CM ²				B BETA IN DPM/100 CM ²			
NO.	RESULTS	N.O.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKG	7	< BKG	1	< BKG	1	< BKG
2	< BKG	1	< BKG	2	< BKG	2	< BKG
7	< BKG	3	< BKG	3	< BKG	3	< BKG
				4	< BKG	4	< BKG
				5	< BKG	5	< BKG
				6	< BKG	6	< BKG

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN μ rem/hr

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

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NSS-01

SURVEY NO. NSS-0022

Date <u>3-29-05</u> Time <u>1300</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>Loman Scott</u>	Inst. Type <u>Ludlum</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Loman Scott</u>	Serial No. <u>42972</u>	Inst. Sn <u>91037</u>	
Reviewed <u>Rabih Punnah</u>	β^- Factor <u>1</u>	Eff. <u>10%</u>	
	<u>BKG 40 μR/h</u>	Bkg. <u>40</u> cpm	cpm

AREA NAVIGATION BRIDGE DECK (Pilot House)

COMPONENT _____

BRIDGE

1. Starboard threshold
2. Starboard Door Knob
3. Port threshold
4. Port Door Knob
5. Bridge Center Floor
6. BRIDGE GRAB RAIL STARBOARD SIDE FRONT GLASS.

FRSK < 100 cpm
DM < BKG

SMEAR RESULTS <small>IN DPM/100 CM²</small>				<small>B = BETA in mRAD/hr/100 CM²</small>					
NO.	RESULTS	N O.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKG								
2	< BKG								
3	< BKG								
4	< BKG								
5	< BKG								
6	< BKG								

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

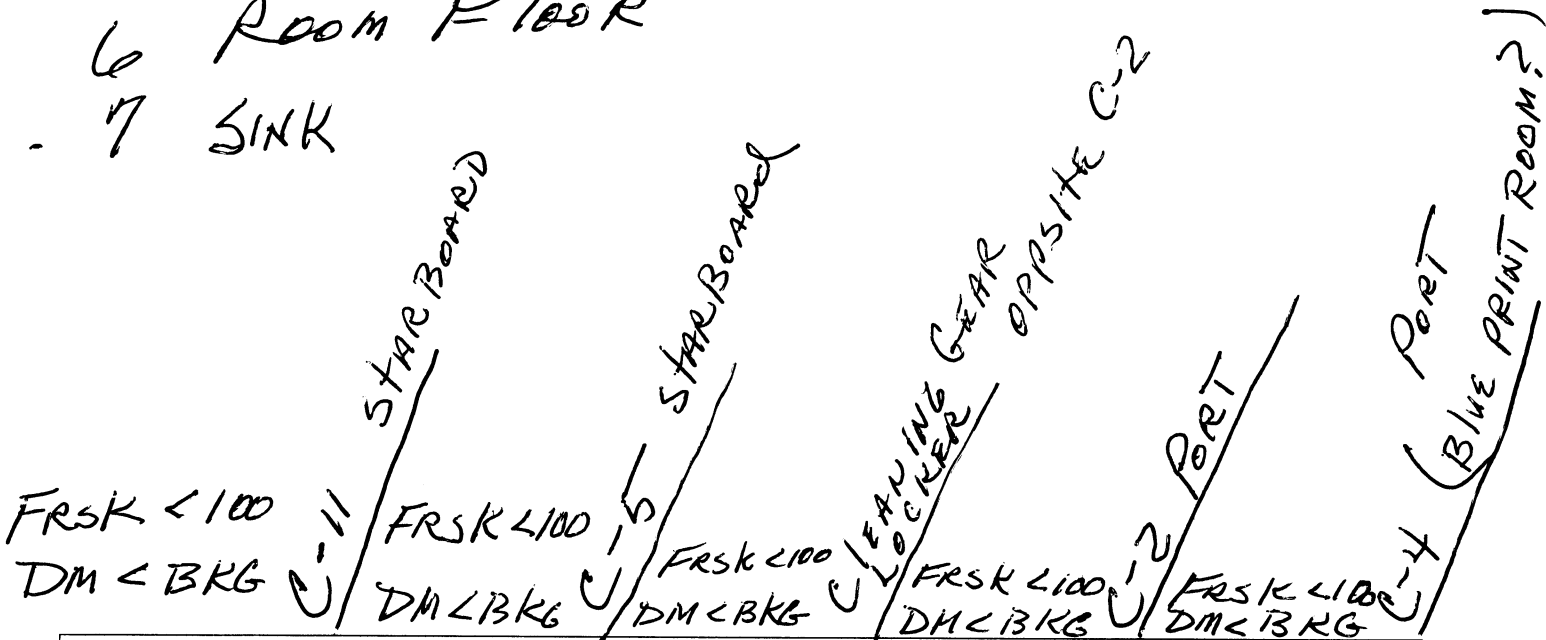
SURVEY NO. NSS-0023

Date <u>3-30-05</u> Time <u>0830</u>	DOSE RATE <u>11V650V</u>	CONTAMINATION	
Surveyor <u>Loman Scott</u>	Inst. Type <u>DURATEC</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Loman Scott</u>	Serial No. <u>95499</u>	Inst. Sn <u>97499</u>	
Reviewed <u>Robert Pennock</u>	Factor <u>NA</u>	Eff. <u>100%</u>	
	<u>4 uR/hr</u>	Bkg. <u>30</u> cpm	cpm

AREA C-DECK CREW CABINS

COMPONENT _____

1. Threshold
2. Door Knobs
3. BATH FLOOR
4. BATH DOOR KNOBS
5. VENT
6. ROOM FLOOR
7. SINK



SMEAR RESULTS IN DPM/100 CM²		SMEAR RESULTS IN DPM/100 CM²		SMEAR RESULTS IN DPM/100 CM²		SMEAR RESULTS IN DPM/100 CM²		SMEAR RESULTS IN DPM/100 CM²	
NO.	RESULTS	N.O.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKGD	1	< BKGD	1	< BKGD	1	< BKGD	1	< BKGD
2	< BKGD	2	< BKGD	6	< BKGD	2	< BKGD	2	< BKGD
3	< BKGD	3	< BKGD	7	< BKGD	3	< BKGD	3	< BKGD
4	< BKGD	4	< BKGD			4	< BKGD	4	< BKGD
5	< BKGD	5	< BKGD			5	< BKGD	5	< BKGD
6	< BKGD	6	< BKGD			6	< BKGD	6	< BKGD

RA - RADIATION AREA CA - CONTAMINATION AREA ALL DOSE RATES IN μ rem/hr
RCA - RADIATION CONTROL AREA AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

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NSS-01

SURVEY NO. NSS-0023

Date <u>3-30-05</u> Time <u>1100</u>	DOSE RATE		CONTAMINATION	
Surveyor <u>Loman Scott</u>	Inst. Type <u>HV650V DURATEL</u>	Beta <input checked="" type="checkbox"/>	Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Loman Scott</u>	Serial No. <u>95499</u>	Inst. Sn <u>97499</u>		
Reviewed <u>Ralph Pennock</u>	β Factor <u>NA</u>	Eff. <u>10%</u>		
	<u>4 hr / hr</u>	Bkg. <u>30</u> cpm	cpm	

AREA C-DECK CREW CABINS

COMPONENT _____

1. threshold
2. Door Knob
3. Bath Floor
4. Bath Door Knob
5. VENT
6. Room Floor

FRSK 1100
DM-BKG

C-10

SMEAR RESULTS		IN DPM/100 CM² B - BETA in mRAD/hr/100 CM²							
NO.	RESULTS	N O.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKG D								
2	< BKG D								
3	< BKG D								
4	< BKG D								
5	< BKG D								
6	< BKG D								

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN $\mu\text{rem/hr}$

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

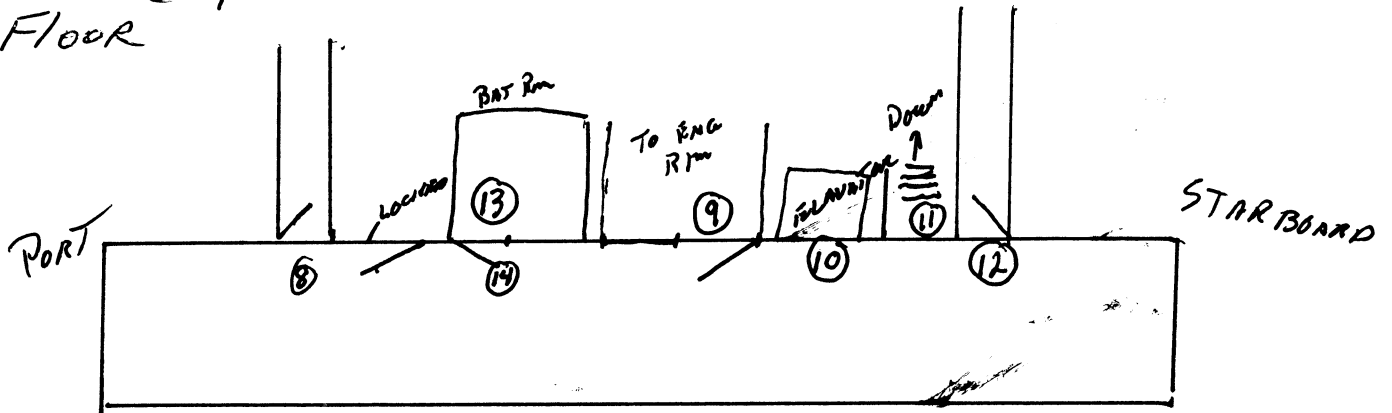
SURVEY NO. NSS-0024

Date <u>3-30-05</u> Time	DOSE RATE <u>11650V</u>		CONTAMINATION	
Surveyor <u>LOMAN SCOTT</u>	Inst. Type <u>DUKATEC</u>	Beta <input checked="" type="checkbox"/>	Alpha _____	Beta _____ Alpha _____
Signature <u>Loman Scott</u>	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>		
Reviewed <u>R. W. Pennock</u>	β Factor <u>NA</u>	Eff. <u>10%</u>		
	<u>4HR/Hr</u>	Bkg. <u>30</u> cpm	cpm	

AREA C DECK - MACHINE LOADING PASSAGE

COMPONENT _____

- #8 PORT- MACHINE LOADING (CREW) AREA BOW
- #9 FLOOR ENGINE ROOM ACCESS (PORT)
- #10 ELEVATOR FLOOR
- #11 FLOOR ENGINE ROOM ACCESS
- #12 FLOOR



- 13 - FLOOR
- 14 - Door Handle BAT Rm

FRSK < 100
DM < BKG

SMEAR RESULTS $\mu\text{BPM}/100\text{CM}^2$				B - BETA in $\text{mRAD}/\text{hr}/100\text{CM}^2$					
NO.	RESULTS	N.O.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
8	< BKGD								
9	< BKGD								
10	< BKGD								
11	< BKGD								
12	< BKGD								
13	< BKGD								
14	< BKGD								

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN $\mu\text{rem}/\text{hr}$

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

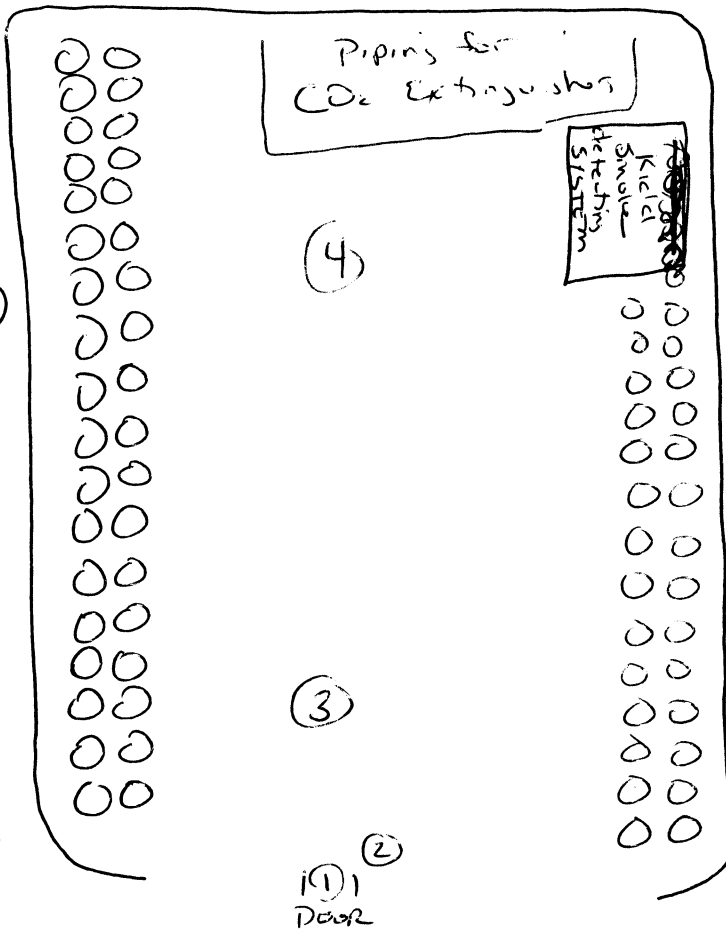
SURVEY NO. NSS-0025

Date <u>3.30.05</u> Time <u>10.45</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>Cradock</u>	Inst. Type <u>Ludlum</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>[Signature]</u>	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>	
Reviewed <u>[Signature]</u>	B Factor <u>4 LR/11 BKG</u>	Eff. <u>10%</u>	
		Bkg. <u>30</u> cpm	cpm

AREA C DECK STARBORD SIDE CO2 Room (FIRE EXTINGUISHER)

COMPONENT _____

- # 1 Threshold
- # 2 doorknob
- # 3 deck (front)
- # 4 deck (rear)



< BKG DR
< 100 cpm FAISIC

SMEAR RESULTS IN DPM/100 CM²				B - BETA in mRAD/hr/100 CM²			
NO.	RESULTS	N O.	RESULTS	NO.	RESULTS	N O.	RESULTS
1	< BKG D						
2	< BKG D						
3	< BKG D						
4	< BKG D						

RA - RADIATION AREA CA - CONTAMINATION AREA ALL DOSE RATES IN $\mu\text{rem/hr}$
RCA - RADIATION CONTROL AREA AA - AIRBORNE AREA

7)

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0026

Date <u>3 30-05</u> Time <u>10.30</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>Craddock</u>	Inst. Type <u>Ludlum</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Craddock</u>	Serial No. <u>95499</u>	Inst. Sn <u>97414</u>	
Reviewed <u>Robert Craddock</u>	β^- Factor <u>4 1000 ^{BS} N/A</u>	Eff. <u>10%</u>	
	<u>BKG 4 MR/hr</u>	Bkg. <u>30</u> cpm	cpm

AREA C DECK PORT SIDE
AFT OF MAXIMIE LOADING PASSAGE

COMPONENT _____

1. Threshold
2. Door Handle
3. Bath Floor
4. Bath Door Handle
5. Air Vent
6. Main Floor
7. sink

C 24
DR < BKG
FRISK 100 cpm

C 18
< BKG
< 100 cpm

TC
~~cleaning~~
~~gear~~
~~locker~~
Cleaning
Gear Locker
< BKG
< 100 cpm

SMEAR RESULTS IN DPM/100 CM²				B = BETA in mRAD/hr/100 CM²					
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKG	1	< BKG	1	< BKG				
2	< BKG	2	< BKG	6	< BKG				
3	< BKG	3	< BKG	7	< BKG				
4	< BKG	4	< BKG						
5	< BKG	5	< BKG						
6	< BKG	6	< BKG						

RA - RADIATION AREA CA - CONTAMINATION AREA ALL DOSE RATES IN μ rem/hr
RCA - RADIATION CONTROL AREA AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0027

Date <u>3/20/05</u> Time <u>11:00</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>Craddock</u>	Inst. Type <u>Ludlum</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>[Signature]</u>	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>	
Reviewed <u>[Signature]</u>	β Factor <input checked="" type="checkbox"/>	Eff. <u>10%</u>	
	BKG <u>4 MR</u>	Bkg. <u>30</u> cpm	cpm

AREA C-DECK STARBOARD SIDE
AFT OF MACH LOADING PASSAGE.

COMPONENT _____

1. THRESHOLD
2. DOOR HANDLE
3. BATH FLOOR
4. BATH DOOR HANDLE
5. AIR VENT
6. MAIN CABIN FLOOR
7. SINK

Handwritten notes and diagrams:
 C-15 ACCESS FROM PAPE ROOM
 C-19 1 ROOM AFT of steps
 C-23 END OF HALL TOWARD RFP
 ENTERTAINMENT MUSIC ROOM
 RFP
 RFP
 RFP
 STEAM

DR < BKG
FRISK < 100 cpm

< BKG
< 100 cpm

< BKG
< 100 cpm

< BKG
< 100 cpm

SMEAR RESULTS IN DPM/100 CM ²			B - BETA in mRAD/hr/100 CM ²						
NO.	RESULTS	N.O.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKG	1	< BKG	1	< BKG	1	< BKG		
2	< BKG	2	< BKG	2	< BKG	2	< BKG		
3	< BKG	3	< BKG	3	< BKG	6	< BKG		
4	< BKG	4	< BKG	4	< BKG				
5	< BKG	5	< BKG	5	< BKG				
6	< BKG	6	< BKG	6	< BKG				

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN μ rem/hr

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0028

Date <u>3-30-65</u> Time	DOSE RATE		CONTAMINATION	
Surveyor <u>R Pennak / J Stovry</u>	Inst. Type <u>μR meter</u>	Beta <input checked="" type="checkbox"/>	Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>R Pennak</u>	Serial No. <u>95469</u>	Inst. Sn <u>91039</u>		
Reviewed <u>[Signature]</u>	β Factor <u>—</u>	Eff. <u>10%</u>		
	<u>D.R. BKG < 4 μR/hr</u>	Bkg. <u>< 30</u> cpm		cpm

AREA ENGINE ROOM UPPER LUNGS TO MINORITY PASSAGE

COMPONENT _____

SEE ATTACHED DRAWING

DR < BKG
FRISK < BKG

SMEAR RESULTS ^{IN DPM/100 CM²}				BETA in mRAD/hr/100 CM²					
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKG								
2	< BKG								
3	< BKG								
4	< BKG								
5	< BKG								
6	< BKG								

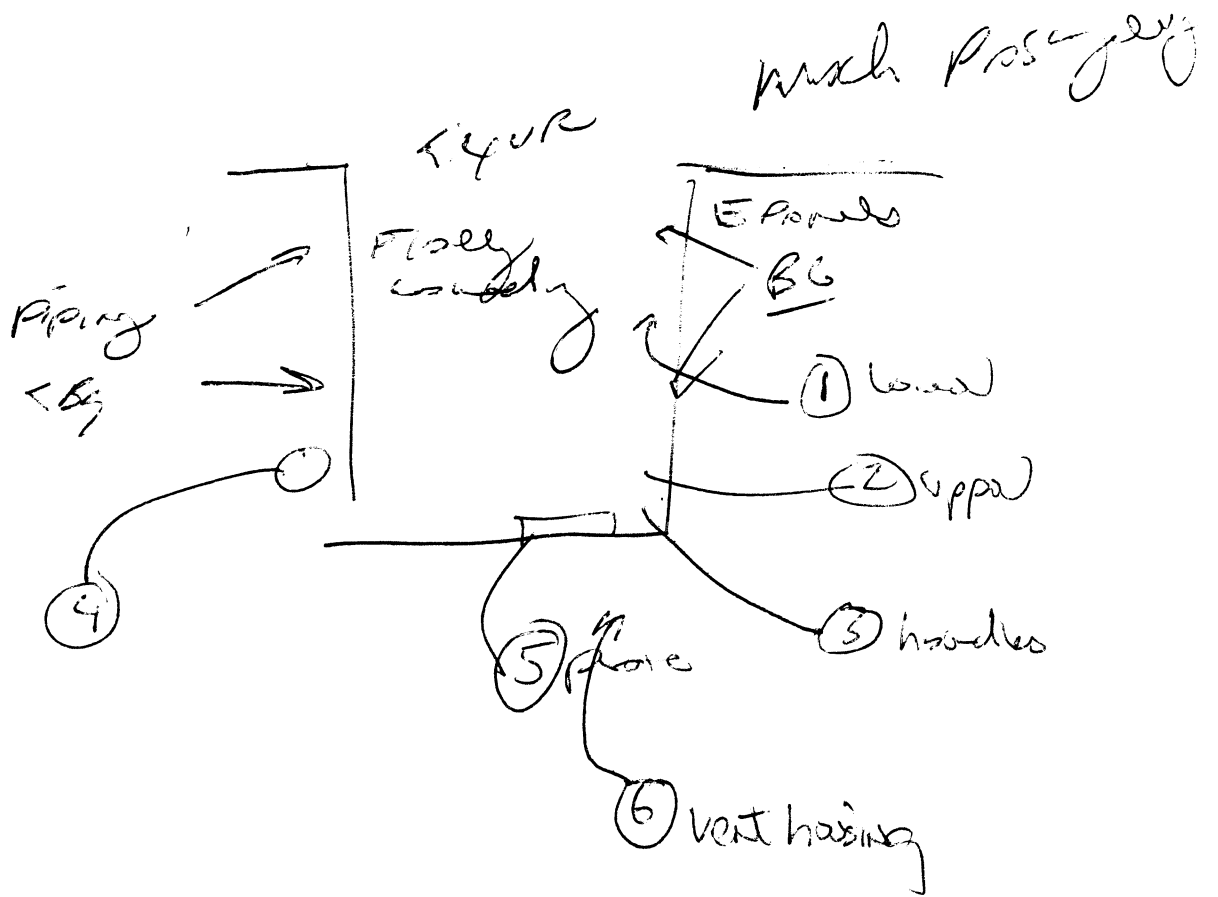
RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN μrem/hr

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA



N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0029

Date <u>3-30-05</u> Time	DOSE RATE	CONTAMINATION	
Surveyor <u>R Pennek / J Steady</u>	Inst. Type <u>MR MATH</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>R. Pennek</u>	Serial No. <u>95469</u>	Inst. Sn <u>FRISK 91039</u>	
Reviewed <u>JWS</u>	β^- Factor <u>-</u>	Eff. <u>~10%</u>	
	<u>D.R BKG < 4 μR/hr</u>	Bkg. <u>< 70</u> cpm	cpm

AREA ENGINE ROOM UPPER LEVEL

COMPONENT _____

SEE ATTACHED DRAWING

DR < BKG
FRISK < BKG

SMEAR RESULTS IN DPM/100 CM²				B - BETA in mRAD/hr/100 CM²					
NO.	RESULTS	N O.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKG	9	< BKG	17	< BKG	25	< BKG		
2	< BKG	10	< BKG	18	< BKG	26	< BKG		
3	< BKG	11	< BKG	19	< BKG	27	< BKG		
4	< BKG	12	< BKG	20	< BKG	28	< BKG		
5	< BKG	13	< BKG	21	< BKG	29	< BKG		
6	< BKG	14	< BKG	22	< BKG				
7	< BKG	15	< BKG	23	NA				
8	< BKG	16	< BKG	24	< BKG				

RA - RADIATION AREA

CA - CONTAMINATION AREA

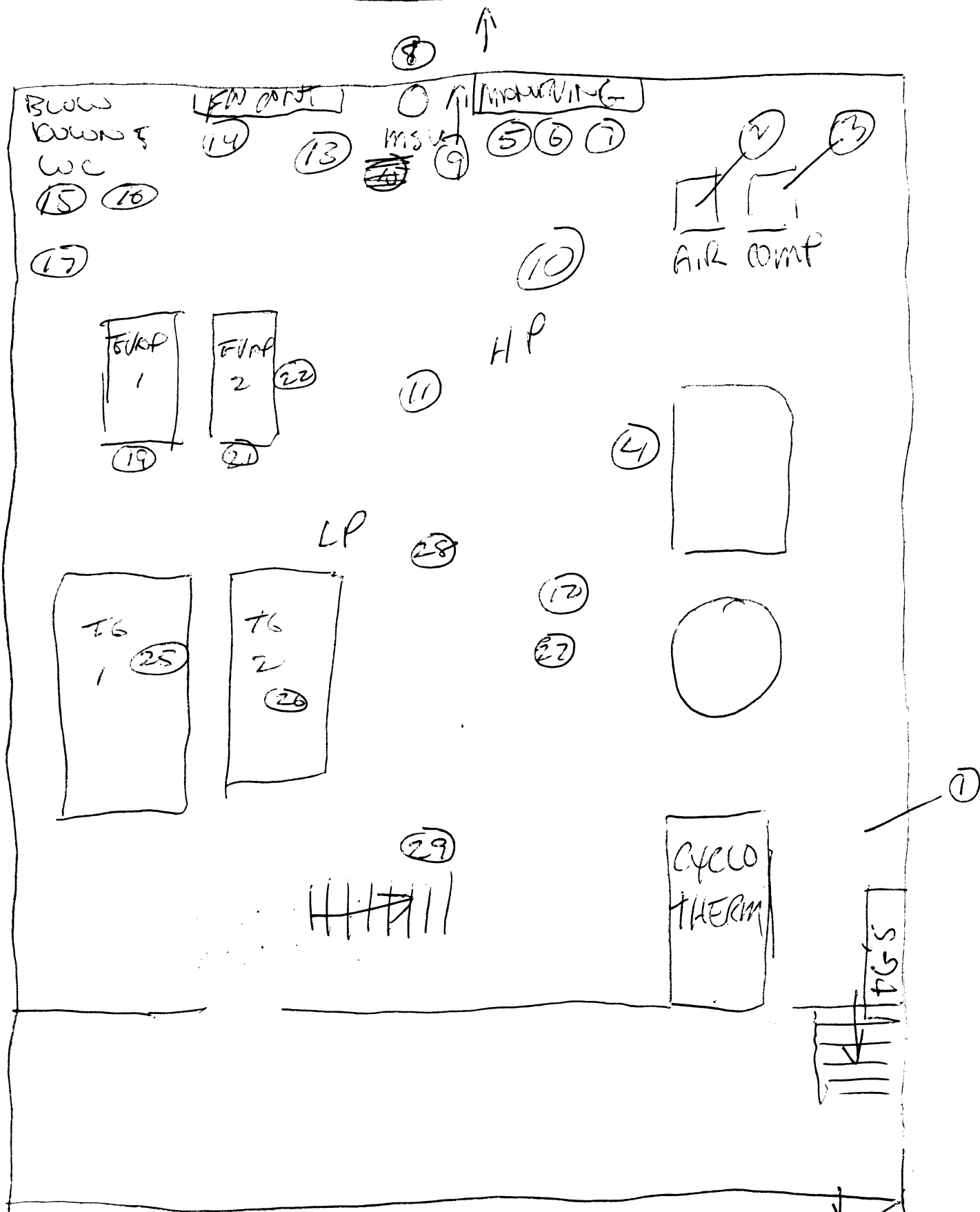
ALL DOSE RATES IN μ rem/hr

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

3/30/05

ENGINE ROOM - UPPER FLAT



REACTOR CONTROL ROOM

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

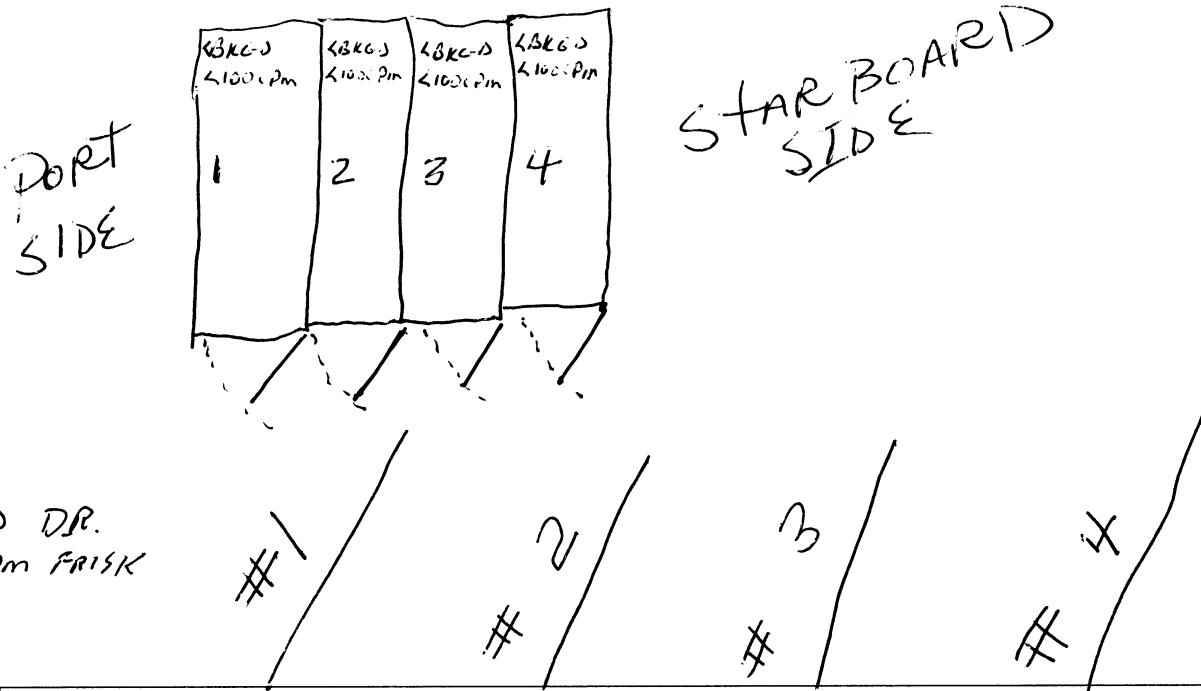
SURVEY NO. NSS-0030

Date <u>3-30-05</u> Time <u>1130</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>Loman Scott</u>	Inst. Type <u>Ludlum</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Loman Scott</u>	Serial No. <u>42972</u>	Inst. Sn <u>97416</u>	
Reviewed <u>Ralph Cunningham</u>	β Factor <u>N/A</u>	Eff. <u>10%</u>	
	<u>BKG 4uR/H</u>	Bkg. <u>30</u> cpm	cpm

AREA C DECK HALLWAY LOCKERS FOR BREATHING APPARATUS

COMPONENT _____

1. DOOR HANDLE
2. INSIDE LOCKER



<BKGD DR.
<100 CPM FRISK

SMEAR RESULTS α -N DPM/100 CM ²				β -BETA in mRAD/hr/100 CM ²			
NO.	RESULTS	N O.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	<BKGD	1	<BKGD	1	<BKGD	1	<BKG
2	<BKGD	2	<BKGD	2	<BKGD	2	<BKG

RA - RADIATION AREA CA - CONTAMINATION AREA ALL DOSE RATES IN μ rem/hr
RCA - RADIATION CONTROL AREA AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. *NSS-0031*

Date <i>3-30-05</i> Time <i>9:20 AM</i>	DOSE RATE	CONTAMINATION	
Surveyor <i>Ross E Pennock</i>	Inst. Type <i>N/A</i>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <i>Ross E Pennock</i>	Serial No.	Inst. Sn <i>75869</i>	
Reviewed <i>John B</i>	β^- Factor	Eff. <i>10%</i>	
		Bkg. <i>30</i> cpm	cpm

AREA *BOTTOM DRAIN OF EXHAUST VENT TO TOP OF MAST*
"A" DECK IN FRONT OF #4 HOLD COVER

COMPONENT _____

FRISKAR < BKG

- 1 VALVE RESTRACTOR (INSIDE)*
- 2 VALVE PLATES*
- 3 VALVE BODY (INSIDE)*

SMEAR RESULTS IN DPM/100 CM²		B = BETA in mRAD/hr/100 CM²							
NO.	RESULTS	N O.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
<i>1</i>	<i>< BKGD</i>								
<i>2</i>	<i>< BKGD</i>								
<i>3</i>	<i>< BKGD</i>								

RA - RADIATION AREA CA - CONTAMINATION AREA ALL DOSE RATES IN μ rem/hr
RCA - RADIATION CONTROL AREA AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

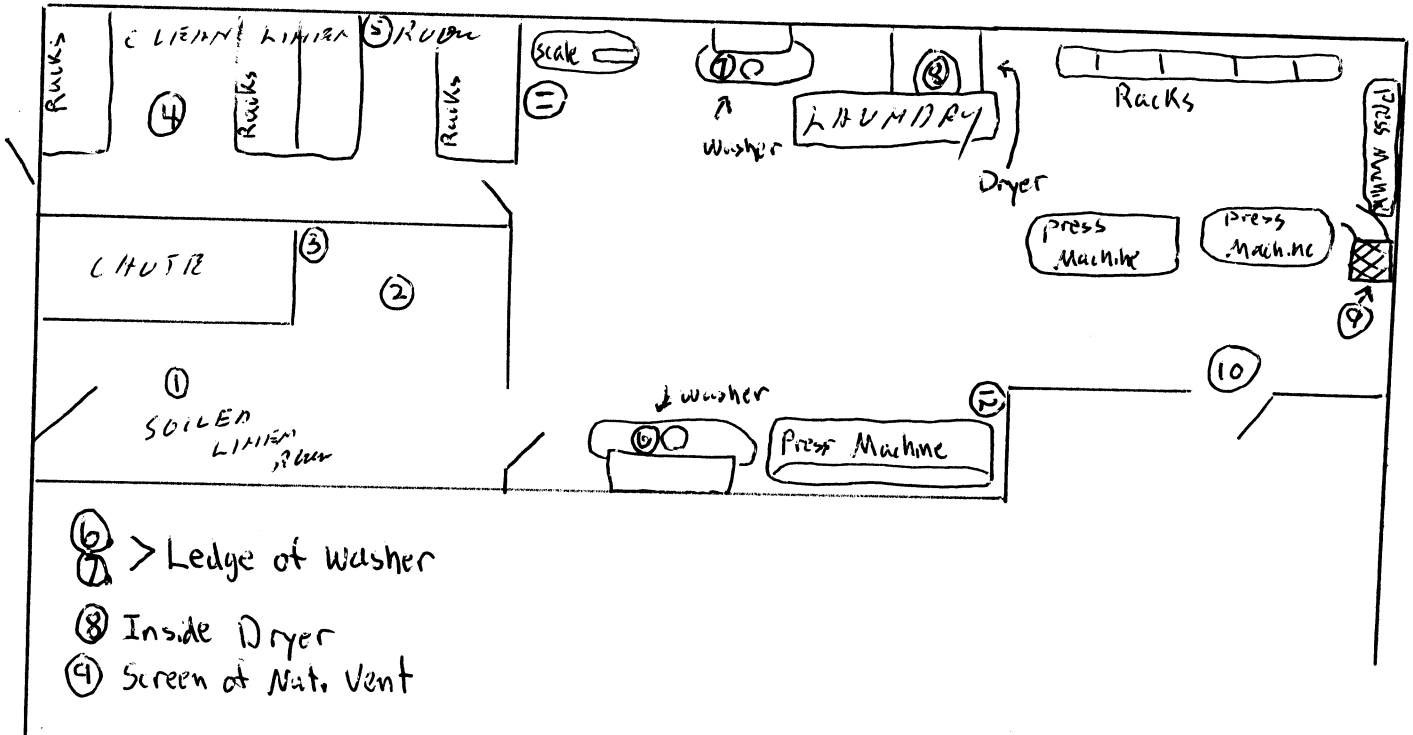
SURVEY NO. NSS-0032

Date <u>3-31-05</u> Time <u>1045</u>	DOSE RATE		CONTAMINATION	
Surveyor <u>Loman Scott</u>	Inst. Type <u>Judlum 19</u>	Beta <input checked="" type="checkbox"/>	Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Loman Scott</u>	Serial No. <u>42972</u>	Inst. Sn <u>91037</u>		
Reviewed <u>Robert Rinnah</u>	B Factor <u>1</u>	Eff. <u>100%</u>		
	<u>BKG 4/6 RH</u>	Bkg. <u>40</u> cpm	cpm	

AREA Laundry & Linen Rooms - C Deck

COMPONENT _____

PORT



FRISK < 100 cpm
DR < 4 µR/hr

SMEAR RESULTS $\mu\text{BPM}/100\text{CM}^2$				β - BETA in mRAD/hr/100 CM ²					
NO.	RESULTS	N.O.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKGD	9	< BKGD						
2	< BKGD	10	< BKGD						
3	< BKGD	11	< BKGD						
4	< BKGD	12	< BKGD						
5	< BKGD								
6	< BKGD								
7	< BKGD								
8	< BKGD								

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN µrem/hr

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0033

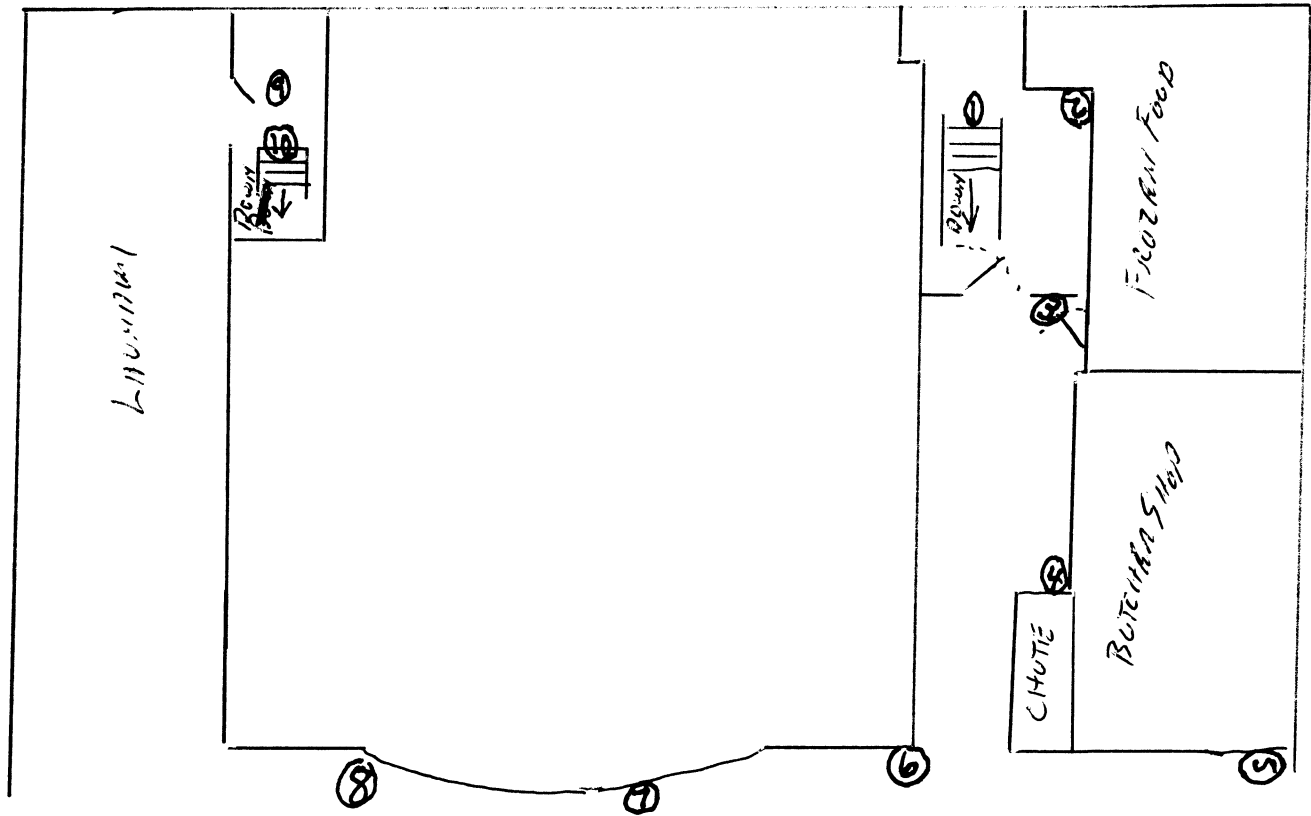
Date <u>3-31</u> Time <u>0800</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>LAMAN SCOTT</u>	Inst. Type <u>LUDLUM 19</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Laman Scott</u>	Serial No. <u>42972</u>	Inst. Sn <u>91037</u>	
Reviewed <u>Dr. W. E. ...</u>	β^- Factor <u>---</u>	Eff. <u>10%</u>	
	<u>BKG 4 HR/17</u>	Bkg. <u>40</u> cpm	cpm

AREA C-DECK PORT & STAIRWAY PASSAGWAYS

COMPONENT _____

Bow

FRSK < 100 cpm
DM < 4.0 μ Bq/hr Port



SMEAR RESULTS IN DPM/100 CM²				B = BETA in mRAD/hr/100 CM ²			
NO.	RESULTS	N.O.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKGD	9	< BKGD				
2	< BKGD	10	< BKGD				
3	< BKGD						
4	< BKGD						
5	< BKGD						
6	< BKGD						
7	< BKGD						
8	< BKGD						

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN μ rem/hr

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

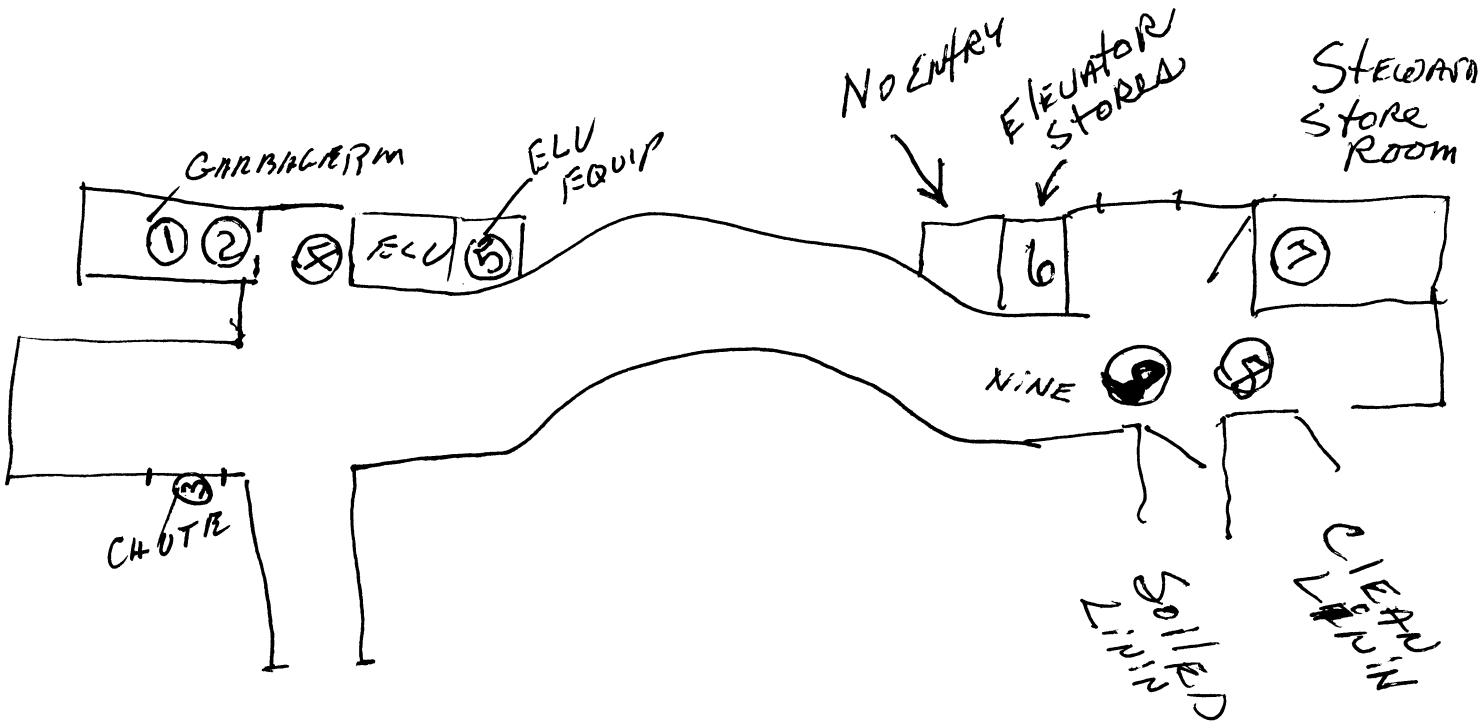
SURVEY NO. NSS-0034

Date <u>3-31-05</u> Time <u>0800</u>	DOSE RATE <u>LD 5 MIN</u>		CONTAMINATION	
Surveyor <u>Laman Scott</u>	Inst. Type <u>DURATEC</u>	Beta <input checked="" type="checkbox"/>	Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Laman Scott</u>	Serial No <u>95499</u>	Inst. Sn <u>97416</u>		
Reviewed <u>R. L. P. P. P.</u>	β Factor	Eff. <u>10%</u>		
	BKG - <u>4 μR/h</u>	Bkg. <u>40</u> cpm	cpm	

AREA D DECK C - HALLWAY & LAUNDRY ENTRANCE

COMPONENT STORES LOADING PASSAGE

O = Floor



SMEAR RESULTS IN DPM/100 CM²				B - BETA in mRAD/hr/100 CM²			
NO.	RESULTS	N O.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKGD	9	< BKGD				
2	< BKGD						
3	< BKGD						
4	< BKGD						
5	< BKGD						
6	< BKGD						
7	< BKGD						
8	< BKGD						

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN $\mu\text{rem/hr}$

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

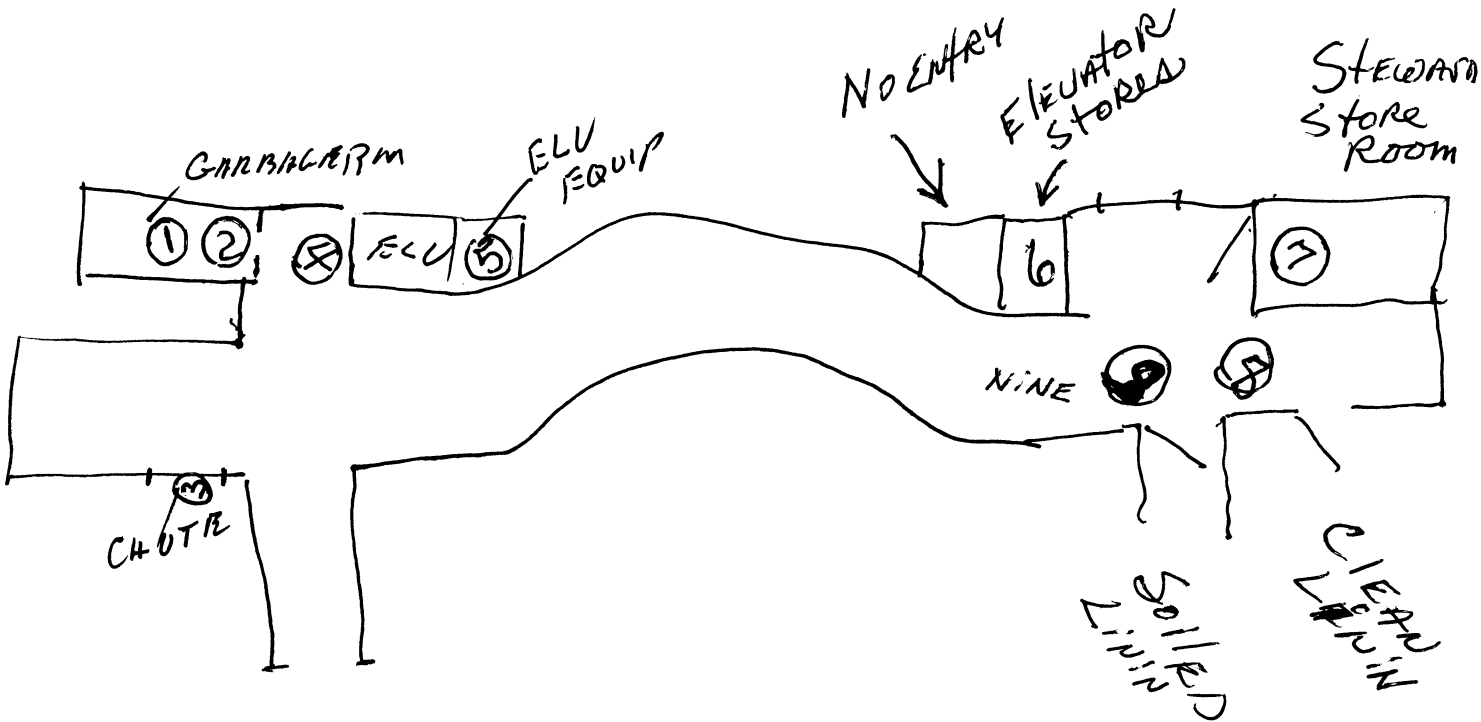
SURVEY NO. NSS-0034

Date <u>3-31-05</u> Time <u>0800</u>	DOSE RATE <u>LD 5 MIN</u>		CONTAMINATION	
Surveyor <u>Laman Scott</u>	Inst. Type <u>DURATEC</u>	Beta <input checked="" type="checkbox"/>	Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Laman Scott</u>	Serial No <u>95499</u>	Inst. Sn <u>97416</u>		
Reviewed <u>R. L. P. P. P.</u>	β Factor	Eff. <u>10%</u>		
	BKG - <u>4 μR/h</u>	Bkg. <u>40</u> cpm	cpm	

AREA D DECK C - HALLWAY & LAUNDRY ENTRANCE

COMPONENT STORES LOADING PASSAGE

O = Floor



SMEAR RESULTS IN DPM/100 CM²				B - BETA in mRAD/hr/100 CM²			
NO.	RESULTS	N O.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKGD	9	< BKGD				
2	< BKGD						
3	< BKGD						
4	< BKGD						
5	< BKGD						
6	< BKGD						
7	< BKGD						
8	< BKGD						

RA - RADIATION AREA CA - CONTAMINATION AREA ALL DOSE RATES IN μrem/hr
RCA - RADIATION CONTROL AREA AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0035

Date <u>3-31-05</u> Time <u>11:00</u>	DOSE RATE		CONTAMINATION	
Surveyor <u>Bob Pennoch</u>	Inst. Type <u>MR METRIC</u>	Beta <input checked="" type="checkbox"/>	Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Bob Pennoch</u>	Serial No. <u>95469</u>	Inst. Sn <u>91039</u>		
Reviewed <u>[Signature]</u>	β^- Factor <u>—</u>	Eff. <u>~10%</u>		
	<u>BKG 2 μR/h</u>	Bkg. <u>30</u> cpm	cpm	

AREA _____

COMPONENT SOURCE RECEIPT

SMEARS

- 1 SOURCE CAN
- 2 Tc99 CASE
- 3 Th 230 CASE
- 4 Tc99 SOURCE
- 5 Th230 SOURCE

DR \leq BKG
FISK \leq BKG

SMEAR RESULTS IN DPM/100 CM²				B - BETA in mRAD/hr/100 CM²					
NO.	RESULTS	N.O.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKG								
2	< MDH								
3	< BKG								
4	< BKG								
5	< BKG								

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN μ rem/hr

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0036

Date <u>3/3/05</u> Time <u>0810</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>Loman Scott</u>	Inst. Type <u>Ludlum 19</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Loman Scott</u>	Serial No. <u>42972</u>	Inst. Sn <u>91037</u>	
Reviewed <u>Ralph Rinnach</u>	β -Factor	Eff. <u>10%</u>	
	<u>BKG/hr</u>	Bkg. <u>40</u> cpm	cpm

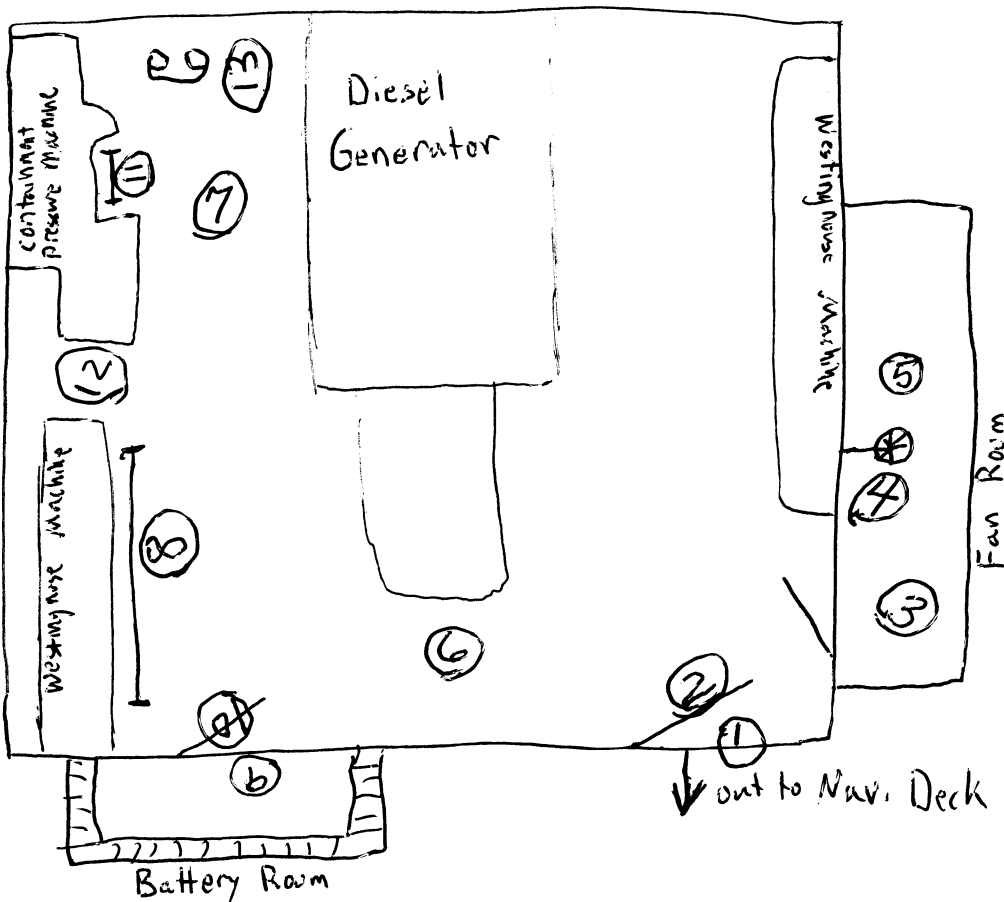
AREA NAVIGATION DECK

COMPONENT EMERGENCY GENERATOR ROOM

#13 TELEPHONE

FRSK < 1000 dpm/100cm²
DM < 40 µR/hr

Starboard



- Port
- #2 DOOR HANDLE
- #4 VALVE HANDLE FOR CIRCULATED WATER FROM COOLING COIL
- # GRAB & BAR
- #10 DOOR HANDLE BATT
- #11 GRAB HANDLE CONTAINING PRESSURE MACHINE

SMEAR RESULTS		IN DPM/100 CM ²		B = BETA in mRAD/hr/100 CM ²					
NO.	RESULTS	N.O.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKG	9	< BKG D						
2	< BKG	10	< BKG D						
3	< BKG	11	< BKG D						
4	< BKG	12	< BKG D						
5	< BKG	13	< BKG D						
6	< BKG								
7	< BKG								
8	< BKG								

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN µrem/hr

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

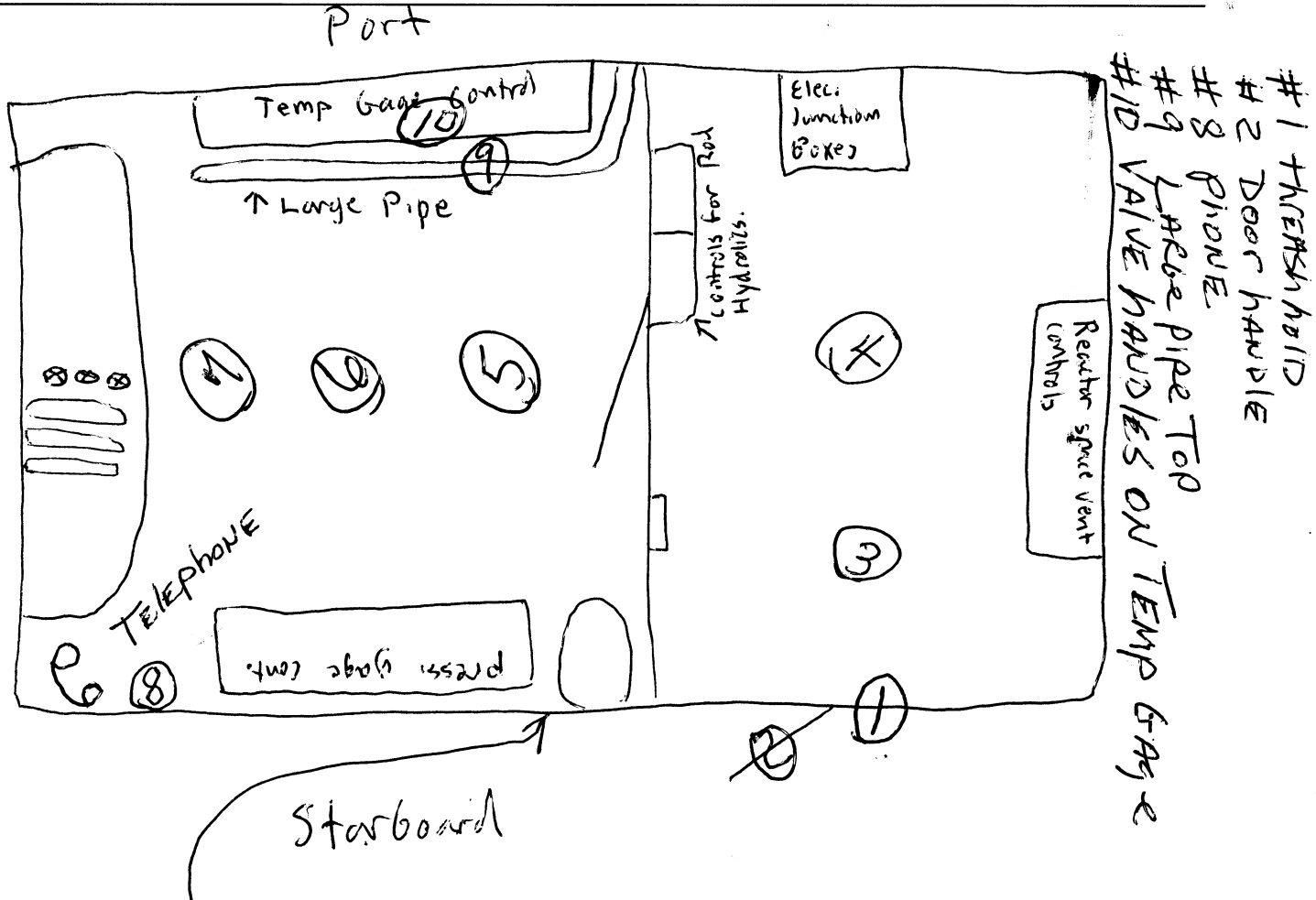
NSS-01

SURVEY NO. NSS-0037

Date <u>3/31/65</u> Time	DOSE RATE	CONTAMINATION	
Surveyor <u>Loman Scott</u>	Inst. Type <u>Ludlum 19</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Loman Scott</u>	Serial No. <u>42972</u>	Inst. Sn <u>91037</u>	
Reviewed <u>R. W. P. Pinnick</u>	Factor	Eff. <u>10%</u>	
	<u>BKG 4 μR/h</u>	Bkg. <u>40</u> cpm	cpm

AREA Process Lobby LHS (HYDRAULIC EQUIPMENT PLATFORM)

COMPONENT B-DECK



L-RSK < 100cpm
 DM < 40 μ R/h

SMEAR RESULTS μ R/DPM/100 CM ²		BETA IN μ RAD/hr/100 CM ²							
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKGD	9	< BKGD						
2	< BKGD	10	< BKGD						
3	< BKGD								
4	< BKGD								
5	< BKGD								
6	< BKGD								
7	< BKGD								
8	< BKGD								

RA - RADIATION AREA CA - CONTAMINATION AREA ALL DOSE RATES IN μ rem/hr

RCA - RADIATION CONTROL AREA AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0038

Date <u>3-31-05</u> Time <u>0945</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>Loman Scott</u>	Inst. Type <u>Ludlum 19</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Loman Scott</u>	Serial No. <u>42972</u>	Inst. Sn <u>91037</u>	
Reviewed <u>Paul G. Rinnah</u>	β -Factor <u> </u>	Eff. <u>10%</u>	
	<u>BKG 4 μR/hr</u>	Bkg. <u>40</u> cpm	cpm

AREA B DECK

COMPONENT CREW LAUNDRY

FRSK < 100 cpm
DM < 4.0 μ R/hr



SMEAR RESULTS		SMEAR RESULTS		SMEAR RESULTS		SMEAR RESULTS		SMEAR RESULTS	
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	<BKGD	X		1	<BKGD	X		1	<BKGD
2	<BKGD		2	<BKGD	2		<BKGD		
3	<BKGD		3	<BKGD	3		<BKGD		
4	<BKGD		4	<BKGD	4		<BKGD		
5	<BKGD		5	<BKGD	5		<BKGD		

RA - RADIATION AREA CA - CONTAMINATION AREA ALL DOSE RATES IN μ rem/hr
RCA - RADIATION CONTROL AREA AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

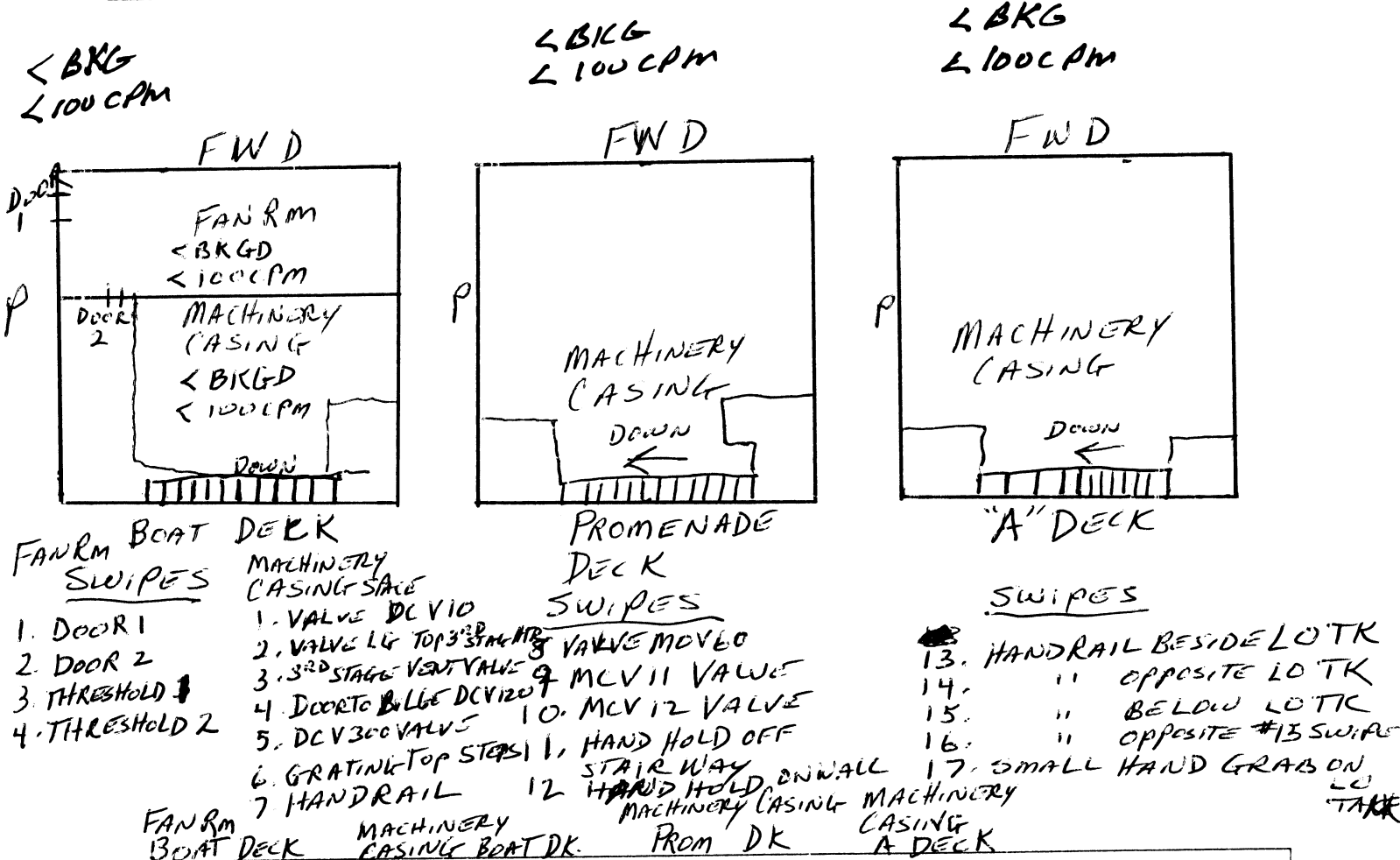
NSS-01

SURVEY NO. NSS-0039

Date <u>3/31/05</u> Time	DOSE RATE	CONTAMINATION	
Surveyor <u>Craddock</u>	Inst. Type <u>LUCLUM</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Craddock</u>	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>	
Reviewed	β Factor <u>0.1</u>	Eff. <u>10%</u>	
	<u>2.5 2.5 mR/hr</u>	Bkg. <u>30 cpm</u>	cpm

AREA FAN ROOM BOAT DECK,

COMPONENT _____



SMEAR RESULTS #IN DPM/100 CM ²				B - BETA in mRAD/hr/100 CM ²			
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	<BKGD	1	<BKGD	8	<BKGD	13	<BKGD
2	<BKGD	2	<BKGD	9	<BKGD	14	<BKGD
3	<BKGD	3	<BKGD	10	<BKGD	15	<BKGD
4	<BKGD	4	<BKGD	11	<BKGD	16	<BKGD
		5	<BKGD	12	<BKGD	17	<BKGD
		6	<BKGD				
		7	<BKGD				

RA - RADIATION AREA CA - CONTAMINATION AREA ALL DOSE RATES IN μ m/hr
 RCA - RADIATION CONTROL AREA AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

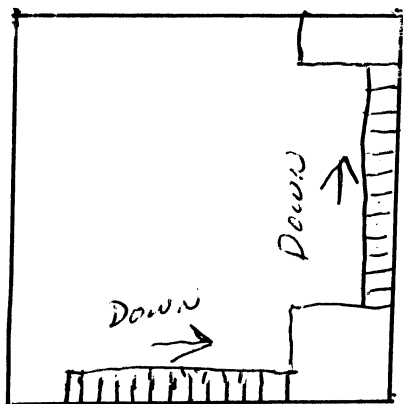
SURVEY NO. NSS-0039

Date <u>3/31/05</u> Time	DOSE RATE	CONTAMINATION	
Surveyor <u>Cradlock</u>	Inst. Type <u>LUDLUM</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Cradlock</u>	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>	
Reviewed	β^- Factor <u>gmk</u>	Eff. <u>10%</u>	
	<u>2.5 2.5 mR/hr</u>	Bkg. <u>30</u> cpm	cpm

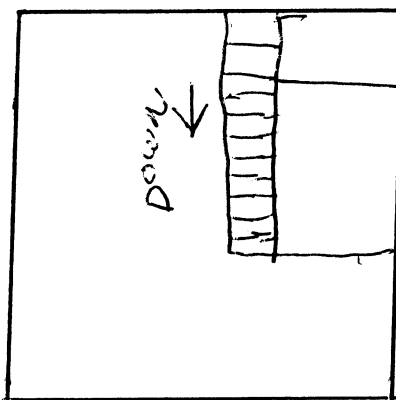
AREA B DECK TO C DECK ACCESS STAIRWELL TO BOAT DECK
THRU MACHINERY CASING SPACE FROM MAIN MACHINERY RM
COMPONENT _____

<BKG
<100CPM

<BKG
<100CPM



B DECK



C DECK

SWIPES

SWIPES

- 18. TOP STEP LOGAR. TR
- 19. 3RD STEP FROM BOTTOM OF BDK.
- 20. LANDING B DECK
- 21. ~~21.~~ LO V VALVE

- 22. HAND RAIL STRB
- 23. HAND RAIL PORT
- 24. BOTTOM STEP C'D

STAIRWAY
B DECK

STAIRWAY
C DECK

SMEAR RESULTS IN DPM/100 CM ²				B - BETA in mRAD/hr/100 CM ²			
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
18	<BKGD	/		22	<BKGD		
19	<BKGD		23	<BKGD			
20	<BKGD		24	<BKGD			
21	<BKGD						

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN μ mR/hr

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0040

Date <u>3-31-05</u> Time <u>0930</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>Loman Scott</u>	Inst. Type <u>Ludlum 19</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Loman Scott</u>	Serial No. <u>42972</u>	Inst. Sn <u>91037</u>	
Reviewed <u>Robert Purnell</u>	Factor	Eff. <u>10%</u>	
	<u>BKG 4 μR/hr</u>	Bkg. <u>40</u> cpm	cpm

AREA BEHIND BRIDGE

COMPONENT Boron Dump Control Room

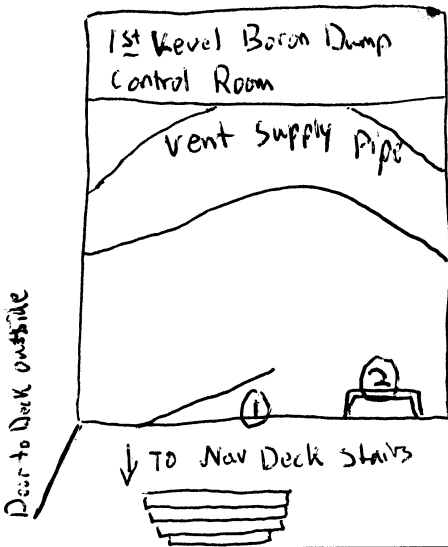
~~#1 threshold fms~~
~~#2 LADDER fms~~
P

FRSK < 100
DM < 40



1. Threshold of door
2. Rung of stairs down to second level of control room

#6 HONEYWELL MACHINERY CONTROLS



SMEAR RESULTS		IN DPM/100 CM²		BETA in mRAD/hr/100 CM²					
NO.	RESULTS	N.O.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKGD								
2	< BKGD								
3	< BKGD								
4	< BKGD								
5	< BKGD								
6	< BKGD								

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN μ rem/hr

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

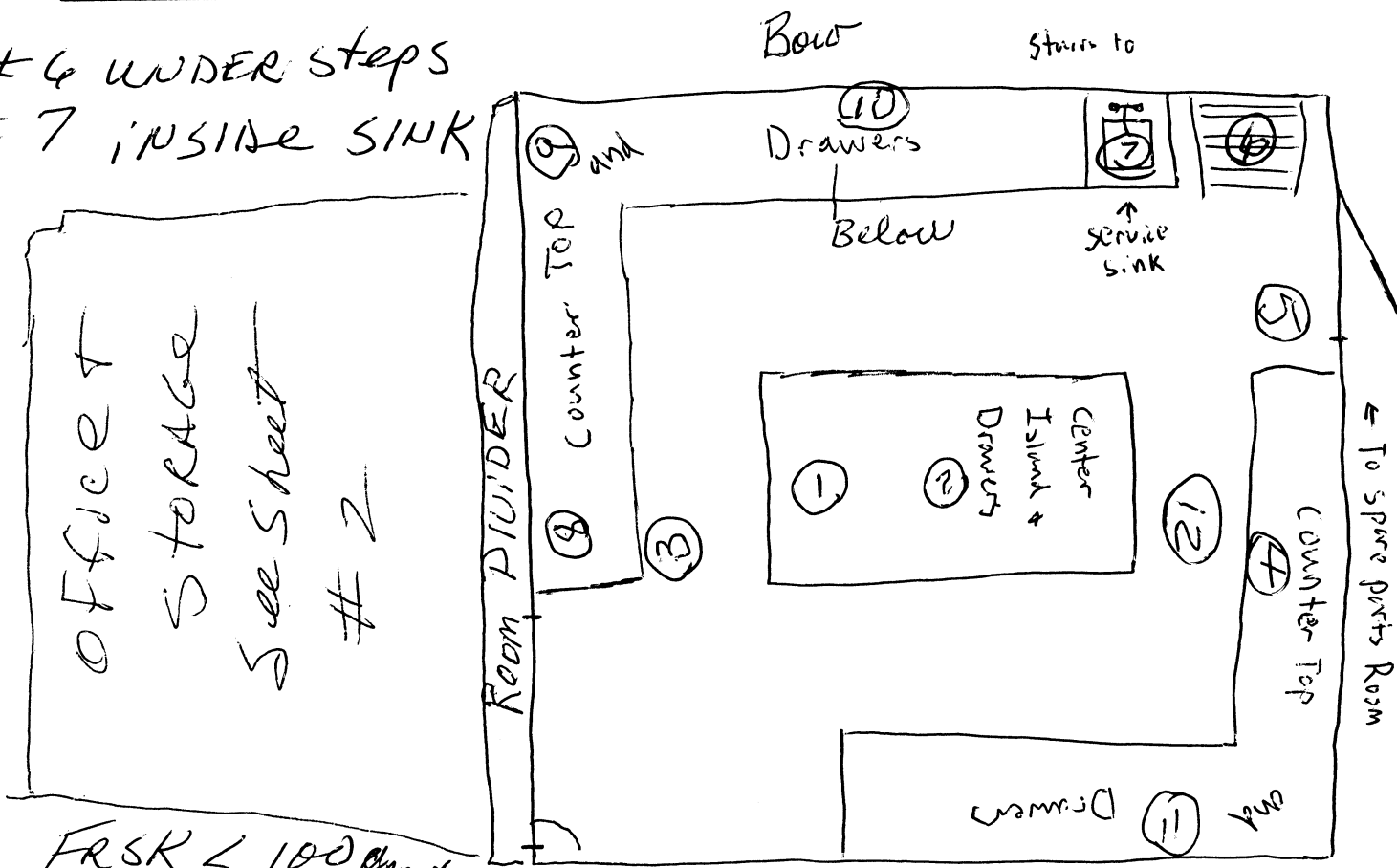
SURVEY NO. NSS-0041 # 1

Date <u>3/31/05</u> Time <u>1300</u>	DOSE RATE		CONTAMINATION	
Surveyor <u>Loman Scott</u>	Inst. Type <u>LD/um 19</u>	Beta <u><</u>	Alpha <u> </u>	Beta <u> </u> Alpha <u> </u>
Signature <u>Loman Scott</u>	Serial No. <u>42972</u>	Inst. Sn <u>91037</u>		
Reviewed <u>Robert L. ...</u>	β -Factor <u>BRG/HR/HR</u>	Eff. <u>10%</u>		
		Bkg. <u>10</u> cpm		cpm

AREA HOLD #5 ENGINEERING (Workstation)

COMPONENT Workshop

#6 UNDER STEPS
#7 INSIDE SINK



FRSK < 100 cpm free rad
DM < 1 uR/hr

SMEAR RESULTS				B = BETA in mRAD/hr/100 CM ²					
NO.	RESULTS	N.O.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKGD	9	< BKGD						
2	< BKGD	10	< BKGD						
3	< BKGD	11	< BKGD						
4	< BKGD	12	< BKGD						
5	< BKGD								
6	< BKGD								
7	< BKGD								
8	< BKGD								

RA - RADIATION AREA CA - CONTAMINATION AREA ALL DOSE RATES IN urem/hr
RCA - RADIATION CONTROL AREA AA - AIRBORNE AREA