

#2

N.S. SAVANNAH
RADIOLOGICAL SURVEY

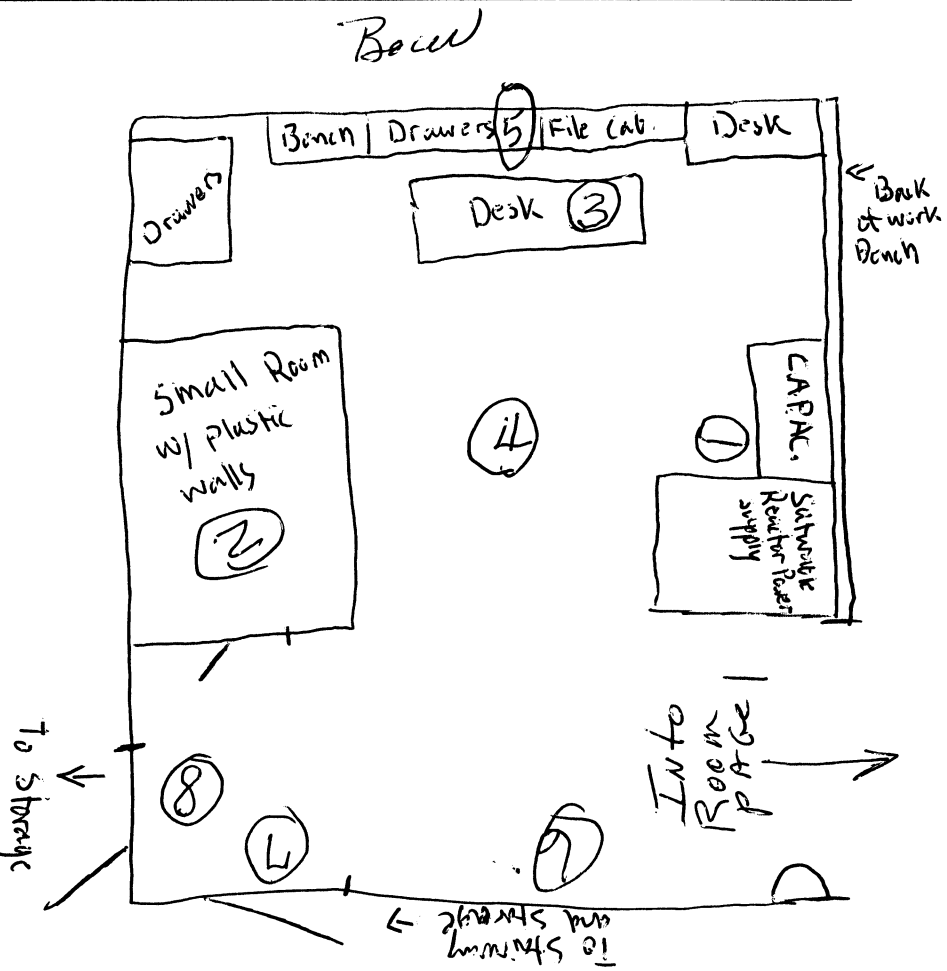
NSS-01

SURVEY NO. NSS-0041

Date <u>3-31-05</u> Time <u>1300</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>Baker Kenneth</u>	β -Factor <u> </u>	Eff. <u>10%</u>		
	<u>BKG 1 MR/hr</u>	Bkg. <u>10</u> cpm	cpm	

AREA Hold #5 Engineering (office and storage)

COMPONENT M-S & DA EQUIPT Room



FRSK < 100 cpm
DM < 1 μ R/hr

SMEAR RESULTS $\#$ DPM/100 CM ²				B BETA in mRAD/hr/100 CM ²			
NO.	RESULTS	N.O.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< 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 μ rem/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

FHSG \leq BKG

SMEAR RESULTS α - DPM/100 CM ²				B - BETA in mRAD/hr/100 CM²					
NO.	RESULTS	N.O.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKG								
2	< MDN								
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>Ruby Linnick</u>	β -Factor	Eff. <u>10%</u>	
	<u>BKG/hr</u>	Bkg. <u>40</u> cpm	cpm

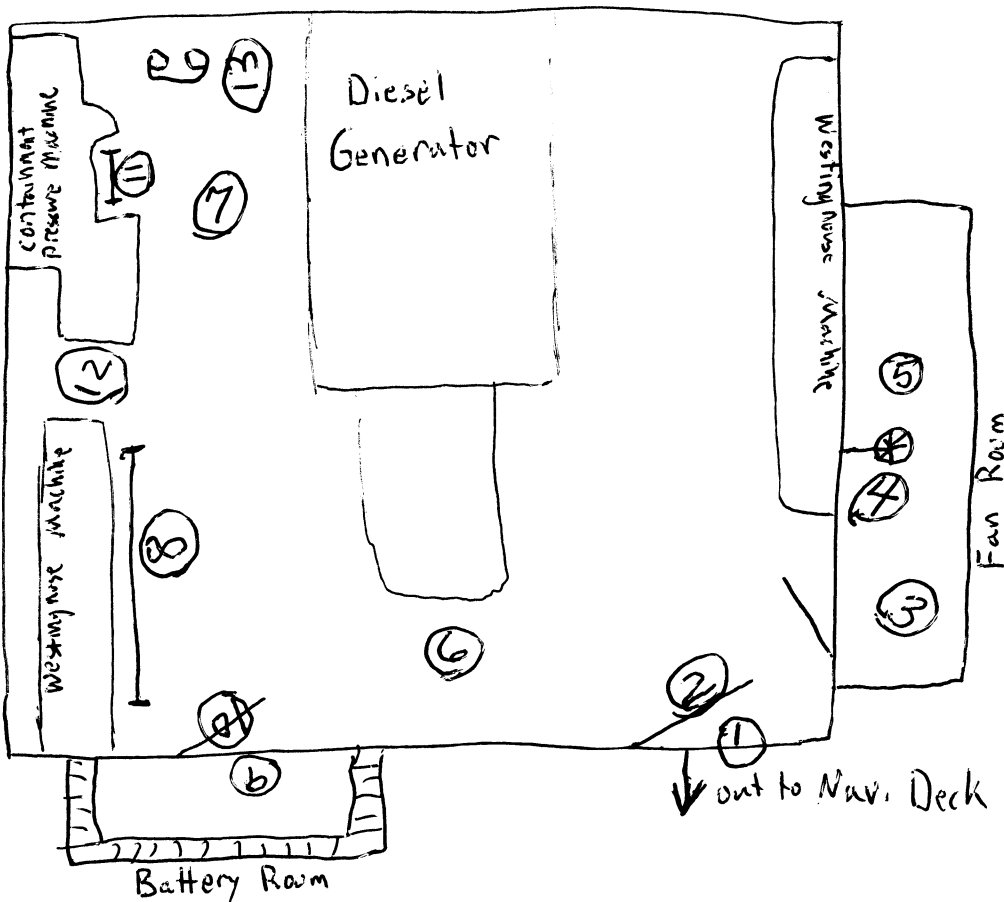
AREA NAVIGATION DECK

COMPONENT EMERGENCY GENERATOR ROOM

#13 TELEPHONE

FRSK < 1000 ~~cpm/hr~~ cpm/hr
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

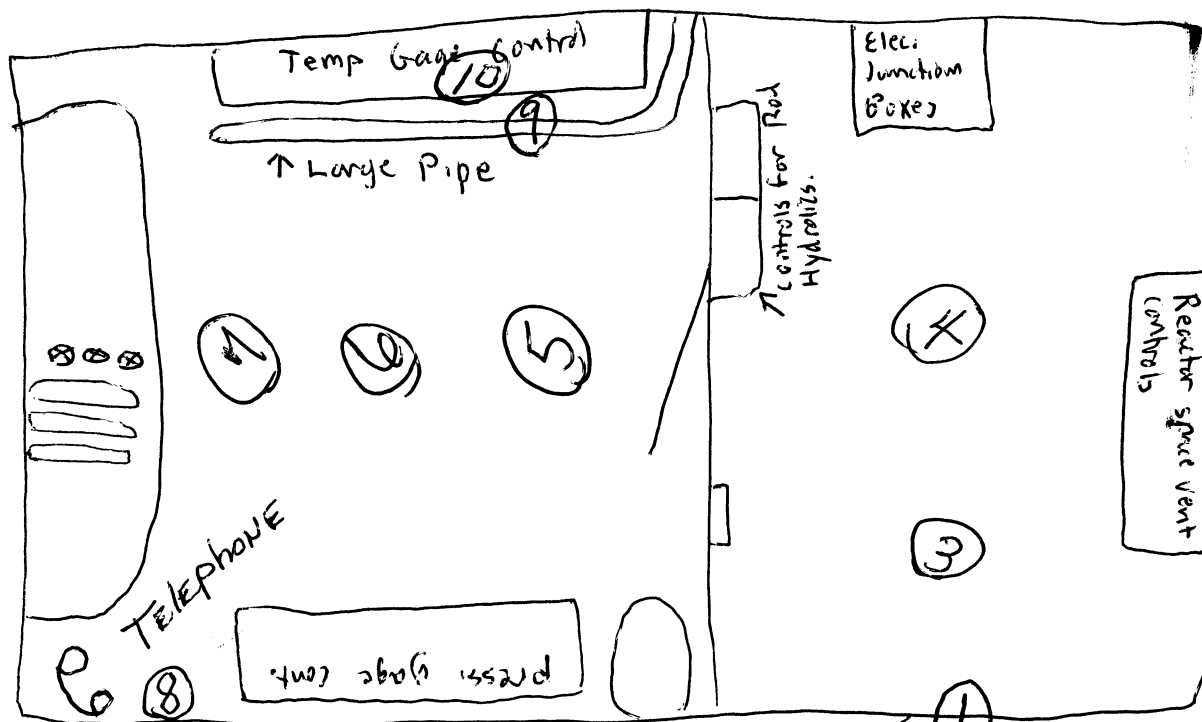
SURVEY NO. NSS-0037

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

Port



#1 THRESH HANDLE
#2 DOOR HANDLE
#8 PHONE
#9 LARGE PIPE TOP
#10 VALVE HANDLES ON TEMP GAUGE

← RSK < 100 cpm
DM < 40 μ R/h

SMEAR RESULTS μ R/DPM/100 CM ²				BETA BETA IN μ RAD/HR/100 CM ²			
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 μ NDPM/100 CM ²				B = BETA in mRAD/hr/100 CM ²			
NO.	RESULTS	N.O.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	<BKGD	X		1	<BKGD	X	
2	<BKGD		2	<BKGD			
3	<BKGD		3	<BKGD			
4	<BKGD		4	<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

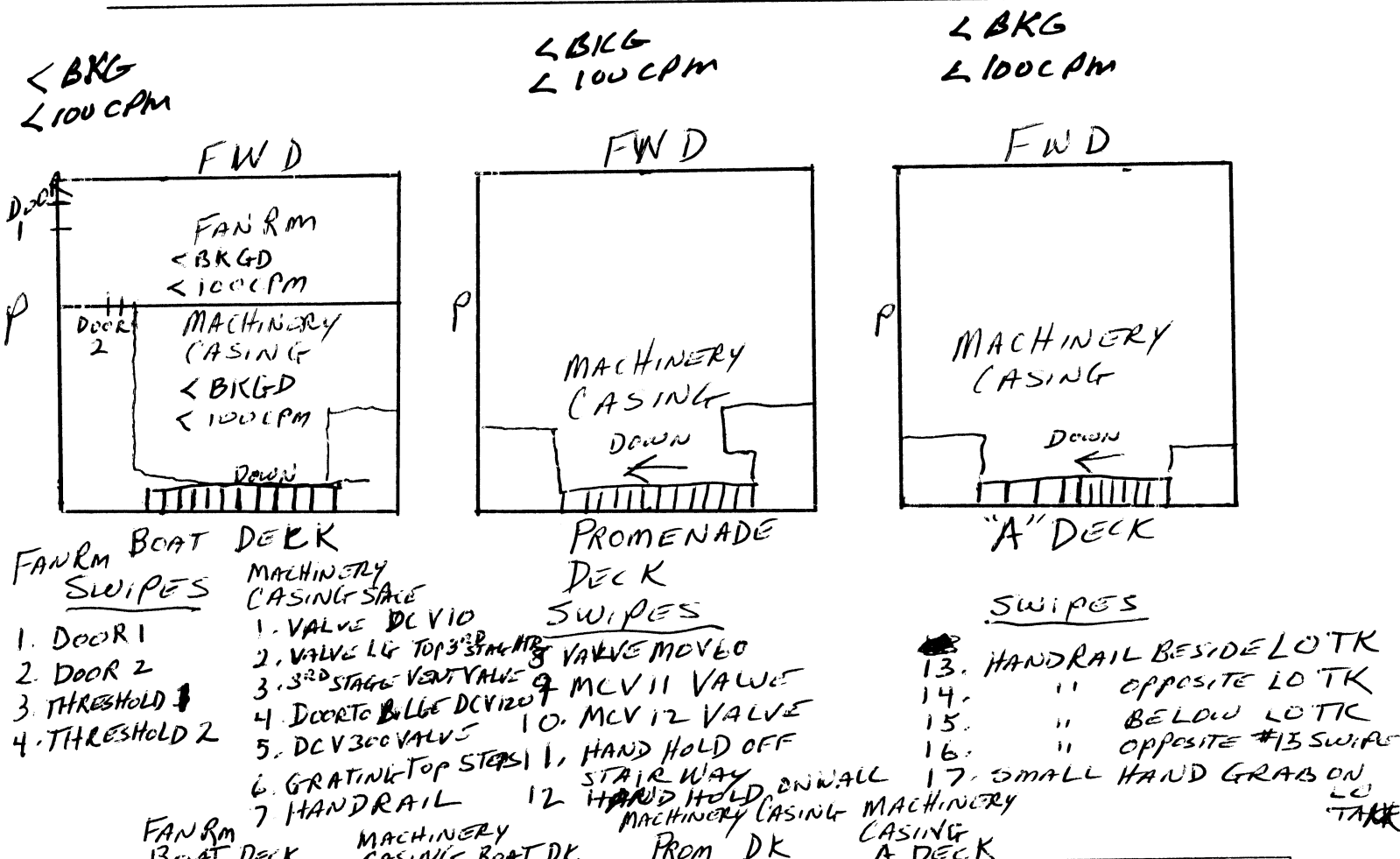
NSS-01

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

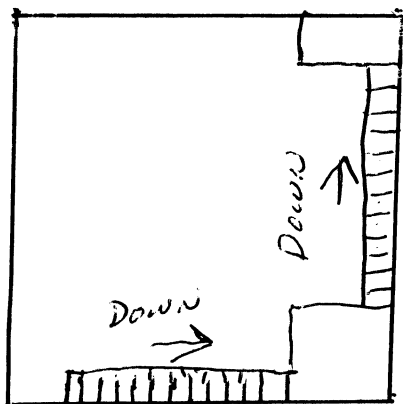
SURVEY NO. NSS-0039

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

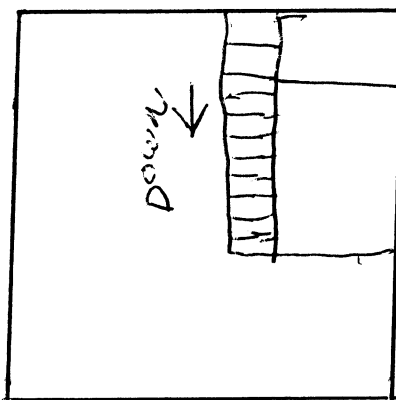
AREA B DECK TO C DECK ACCESS STAIRWELL TO BOAT DECK
THRU MACHINERY CASING SPACE FROM MAIN MACHINERY RM
COMPONENT _____

<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

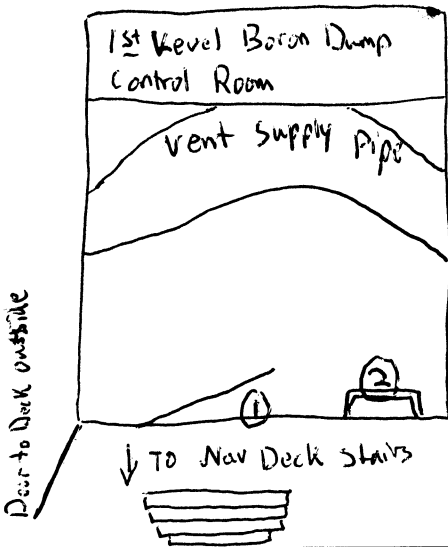
~~#1 threshold fds~~
~~#2 LADDER fds~~
P

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

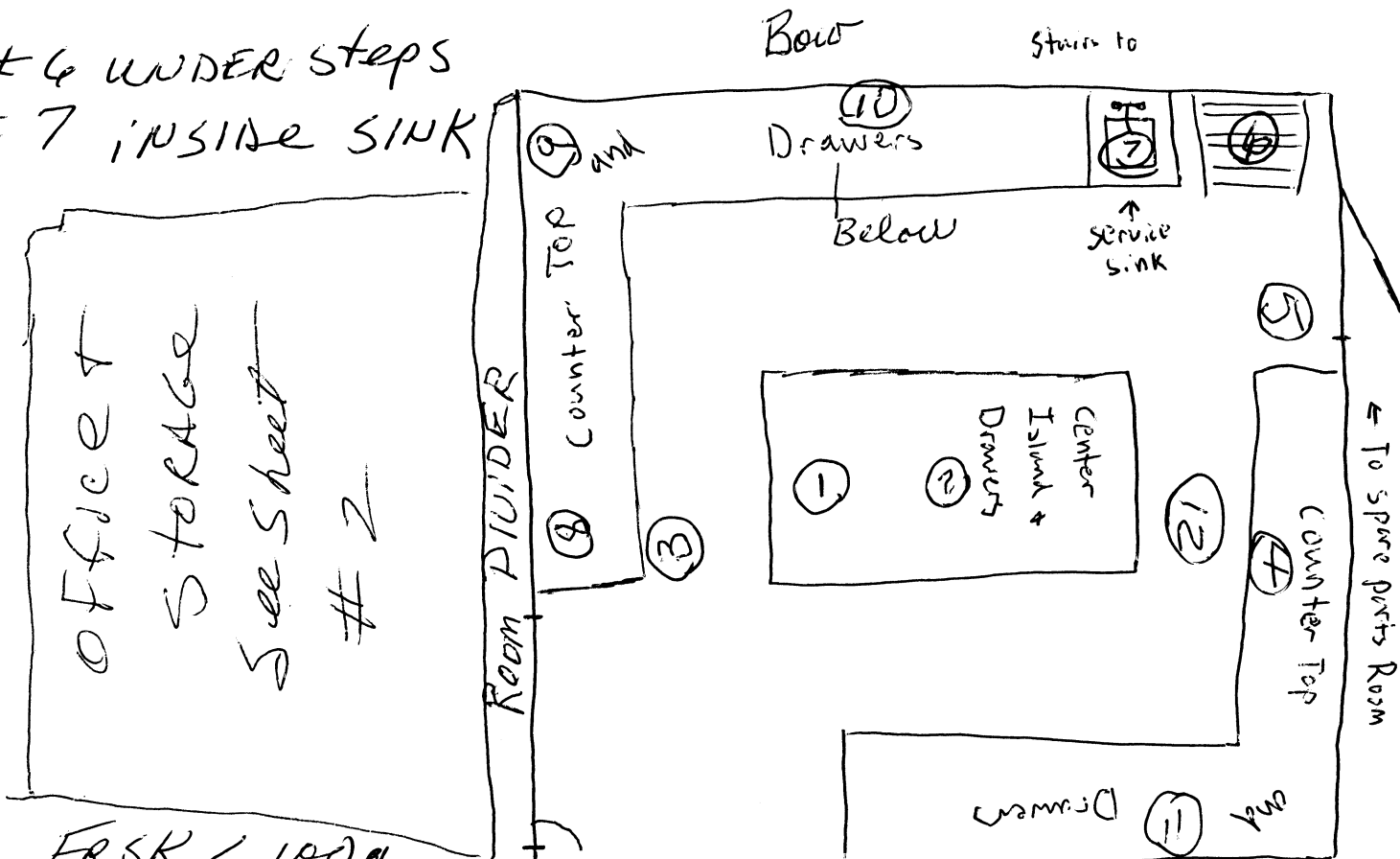
SURVEY NO. NSS-0041 # 1

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/μR/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 μR/hr

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	< 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

#2

N.S. SAVANNAH
RADIOLOGICAL SURVEY

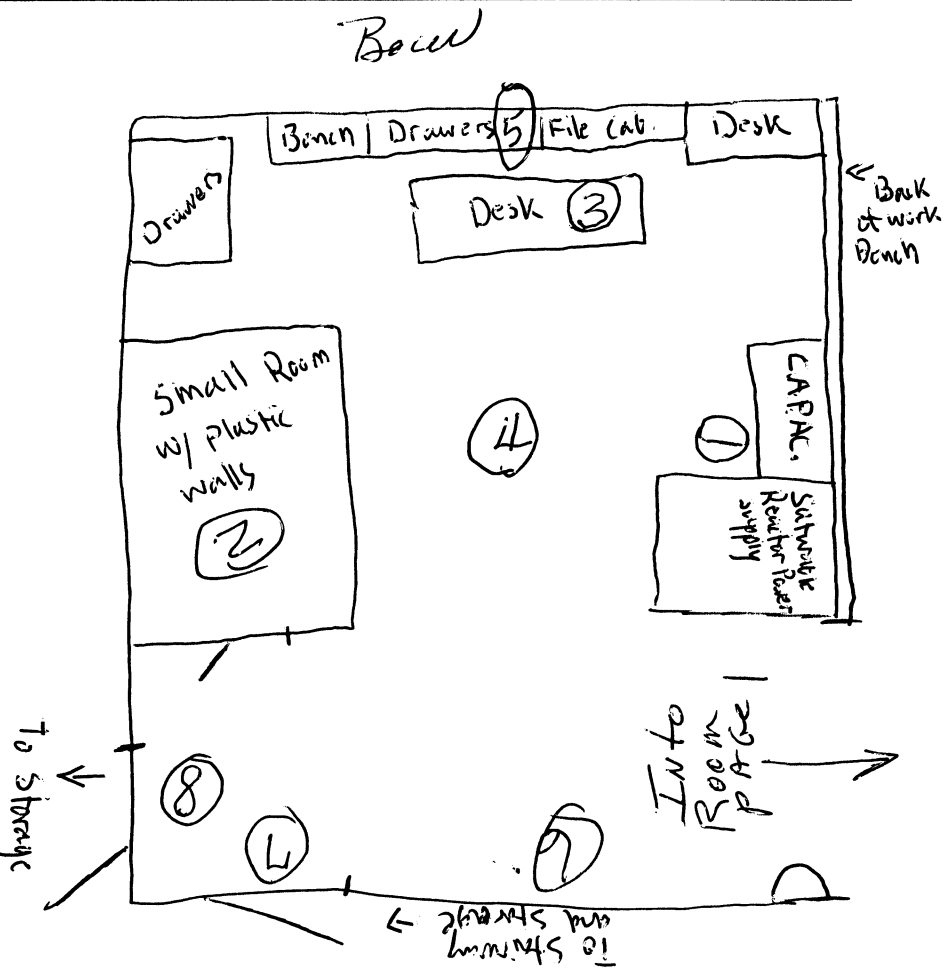
NSS-01

SURVEY NO. NSS-0041

Date <u>3-31-05</u> Time <u>1300</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>Baker Kenneth</u>	β -Factor <u> </u>	Eff. <u>100%</u>		
	<u>BKG 1 MR/hr</u>	Bkg. <u>10</u> cpm	cpm	

AREA Hold #5 Engineering (office and storage)

COMPONENT M-S & DA EQUIPT Room



FRSK < 100 cpm
DM < 1 μ R/hr

SMEAR RESULTS $\#$ DPM/100 CM ²				BETA BETA in mRAD/hr/100 CM ²			
NO.	RESULTS	N.O.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< 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 μ rem/hr
RCA - RADIATION CONTROL AREA AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

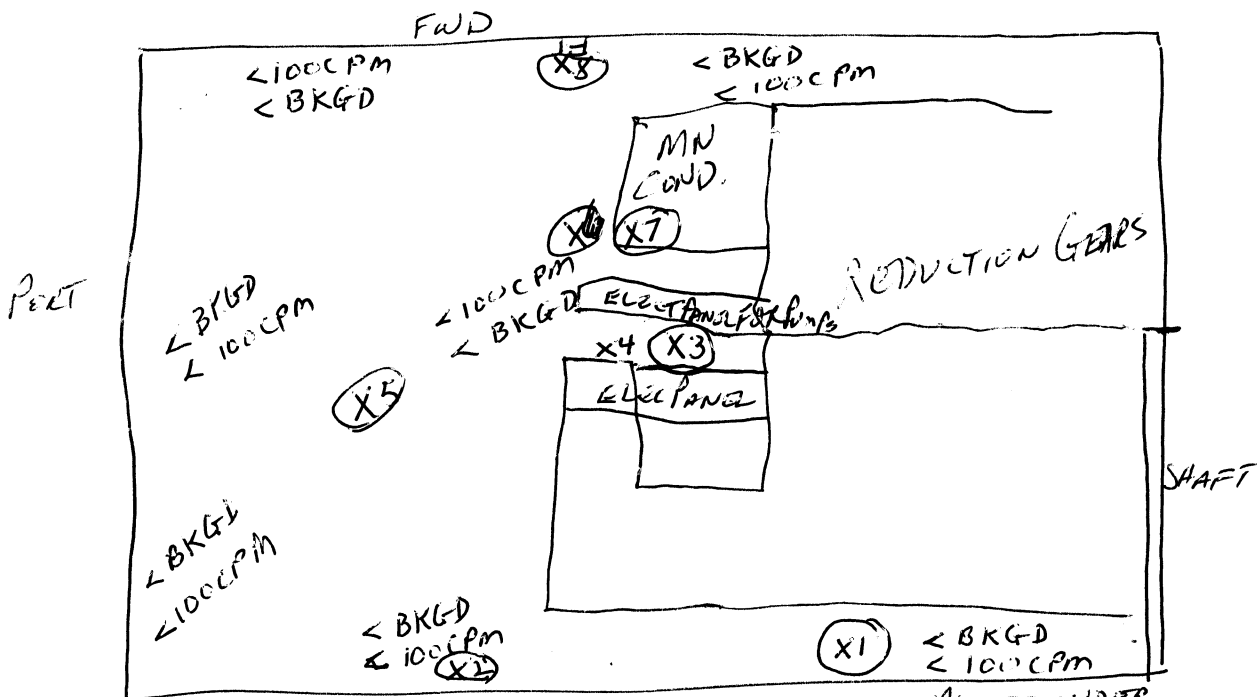
NSS-01

SURVEY NO. NSS-0042

Date <u>3/31/05</u> Time <u>13:00</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>Craddock</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>[Signature]</u>	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>	
Reviewed <u>[Signature]</u>	β Factor	Eff. <u>10%</u>	
	<u>4mR/hr</u>	Bkg. <u>30 cpm</u>	cpm

AREA LOWER LEVEL MAIN ENGINE RM. PORTSIDE OF SHAFT

COMPONENT _____



- SWIPE**
- 1 DECK PLATE AFT PORT OF SHAFT
 - 2 DECK PLATE AFT FIRE & BILGE PUMP PORTSIDE
 - 3 DECK PLATE AFT ELECT PANELS FOR CHG PUMPS
 - 4 HAND HOLD ON PORT FEED PUMP
 - 5 DECK PLATE UNDER RED TAG #4

- 6 DECK PLATE UNDER MN CONDENSOR OPENING
- 7 MANWAY OPENING MN COND.
- 8 DECK PLATE TOP OF STEP STD PORT CHARGE RM

X-DENOTES SWIPE

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

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

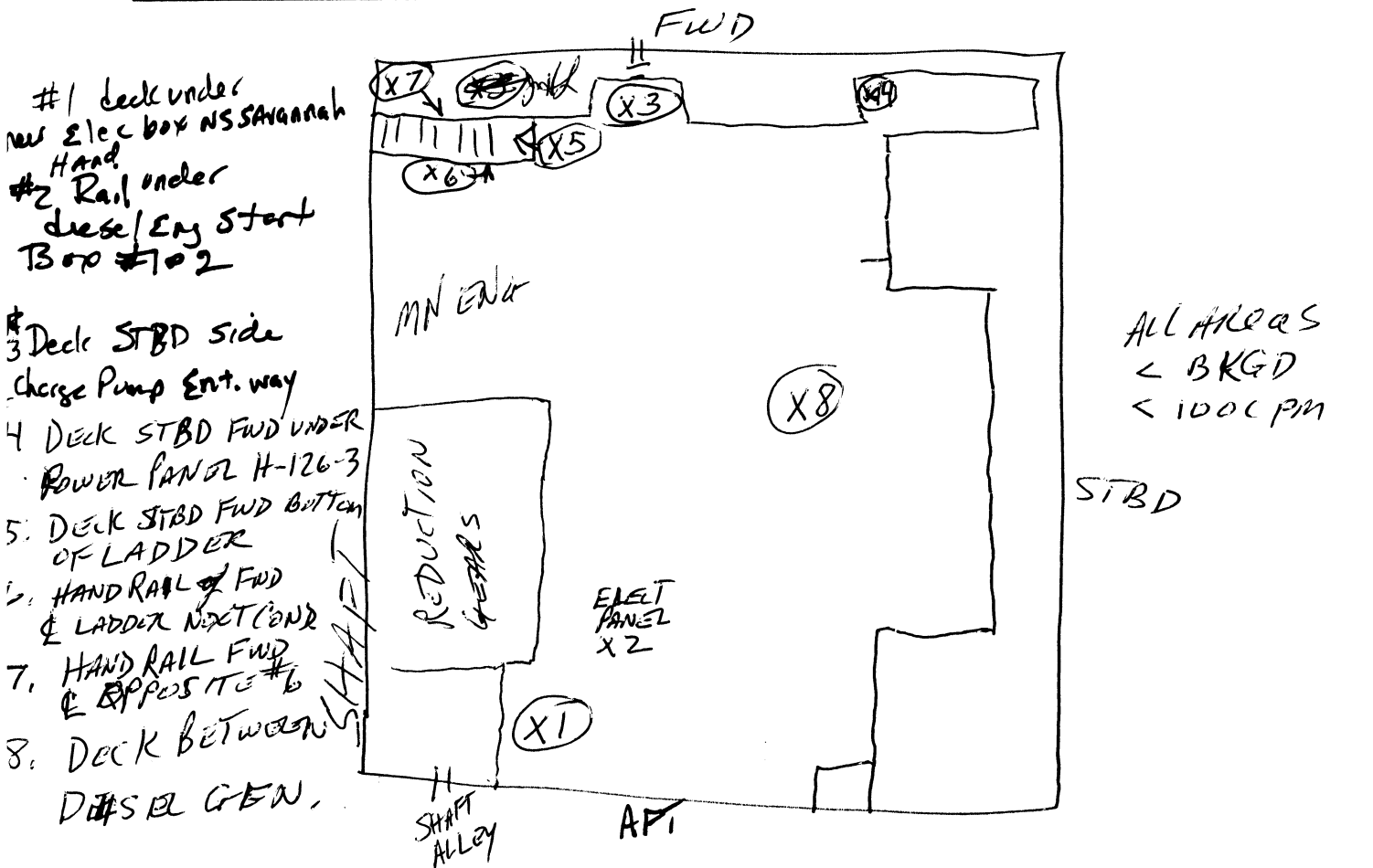
NSS-01

SURVEY NO. NSS-0043

Date <u>3/31/05</u> Time	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>97416</u>	
Reviewed <u>John T. Ruman</u>	β -Factor <u>+ 9.14</u>	Eff. <u>10%</u>	
	<u>4 mR/hr</u>	Bkg. <u>30 cpm</u>	cpm

AREA LOWER LEVEL MAIN ENGINE RM STBD SIDE OF SHAFT

COMPONENT _____



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

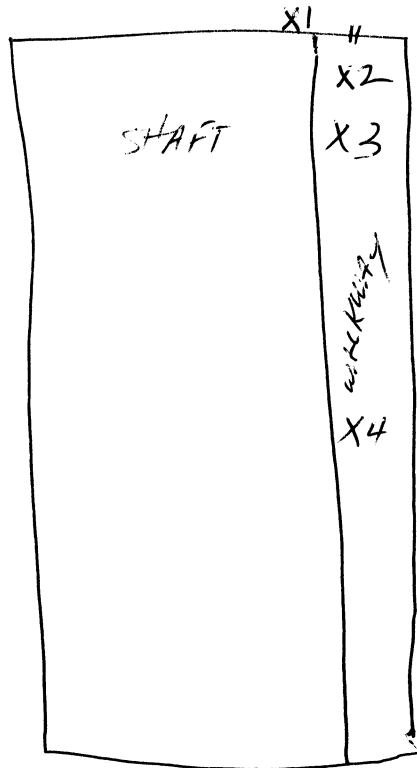
SURVEY NO. NSS-0044

Date <u>3-31-05</u> Time	DOSE RATE	CONTAMINATION	
Surveyor <u>CRAIG DOCK</u>	Inst. Type <u>LUDLUM</u>	Beta <u><</u> Alpha <u> </u>	Beta <u> </u> Alpha <u> </u>
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>4 mR/hr</u>	Bkg. <u>30 cpm</u>	cpm

AREA SHAFT ALLEY

COMPONENT _____

1. HAND CRANK FOR DOOR
2. HAND RAIL
3. DECK GRADING
4. DECK GRADING



ENTIRE SHAFT ALLEY
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
1	< BKG						
2	< BKG						
3	< BKG						
4	< 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

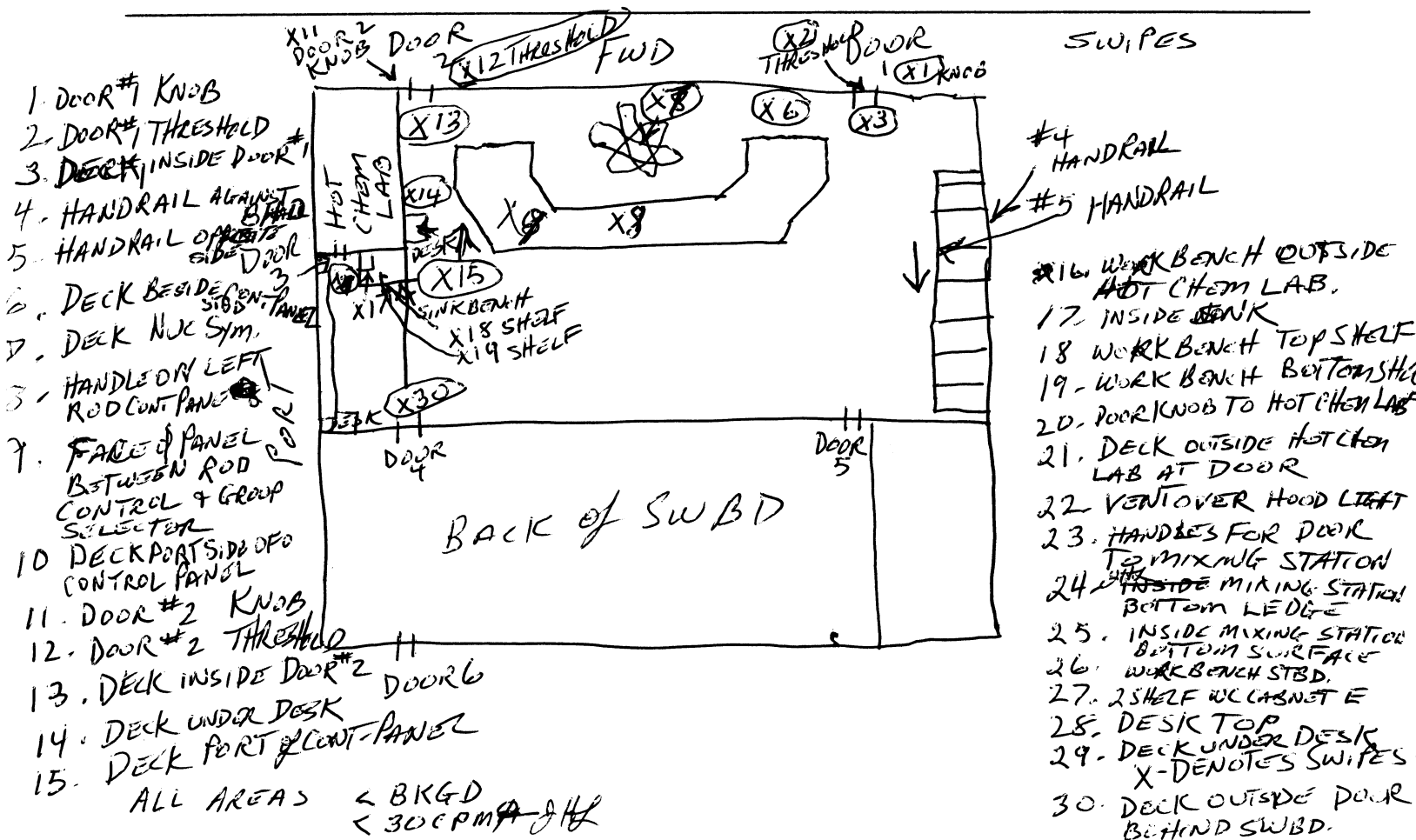
NSS-01

SURVEY NO. NSS-0045

Date <u>4/1/05</u> Time	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>Cradock</u>	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>	
Reviewed <u>R. G. Smith</u>	β -Factor	Eff. <u>10%</u>	
	<u>4 mR/hr</u>	Bkg. <u>30</u> cpm	cpm

AREA MAIN ENGINE ROOM'S CONTROL ROOM

COMPONENT _____



SMEAR RESULTS $\mu\text{Ci}/100\text{CM}^2$		B - BETA in mRAD/hr/100 CM ²							
NO.	RESULTS	NO.	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	30	< BKG		
7	< BKG	15	< BKG	23	< BKG				
8	< BKG	16	< BKG	24	< BKG				

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

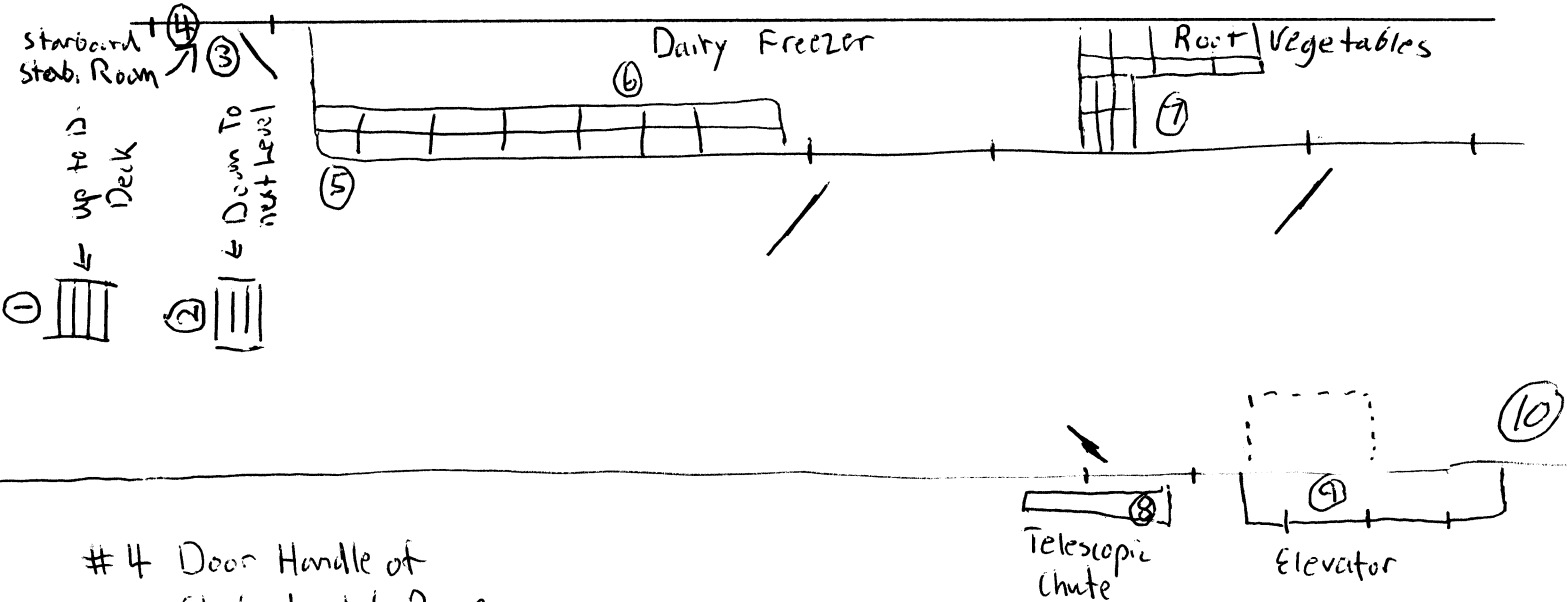
NSS-01

SURVEY NO. NSS-0046

Date <u>4/1/05</u> Time <u>10:00</u>	DOSE RATE		CONTAMINATION	
Surveyor <u>Ben Swift</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>[Signature]</u>	Serial No. <u>42972</u>	Inst. Sn <u>91037</u>		
Reviewed <u>[Signature]</u>	β -Factor <input checked="" type="checkbox"/>	Eff. <u>10%</u>		
	<u>BKG < 4 MR/hr</u>	Bkg. <u>40</u> cpm	cpm	

AREA 14' Flat (Hold Deck) Starboard Side

COMPONENT _____



4 Door Handle of Starboard stab. Room

8 Top of Chute

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	< 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

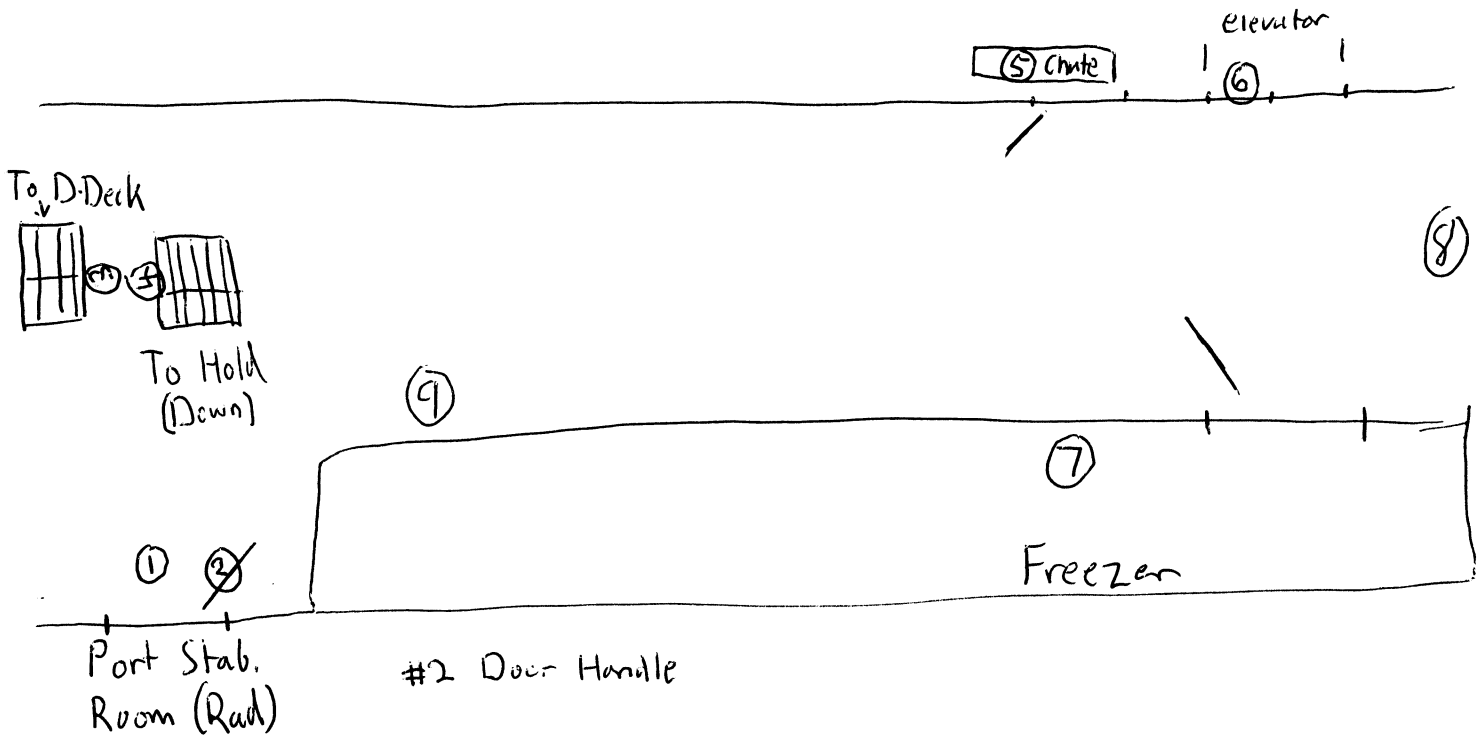
NSS-01

SURVEY NO. NSS-0047

Date <u>4/1/05</u> Time <u>10:00</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>Ben Scott</u>	Inst. Type <u>Inlum 14</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>42972</u>	Inst. Sn <u>91037</u>	
Reviewed <u>[Signature]</u>	β -Factor <input checked="" type="checkbox"/>	Eff. <u>10%</u>	
	<u>BKG < 4 MR/Hr</u>	Bkg. <u>40</u> cpm	cpm

AREA 14' Flat (Port)

COMPONENT _____



SMEAR RESULTS IN DPM/100 CM²		B - BETA in mRAD/hr/100 CM²							
NO.	RESULTS	NO.	RESULTS	NO.	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 μ rem/hr

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

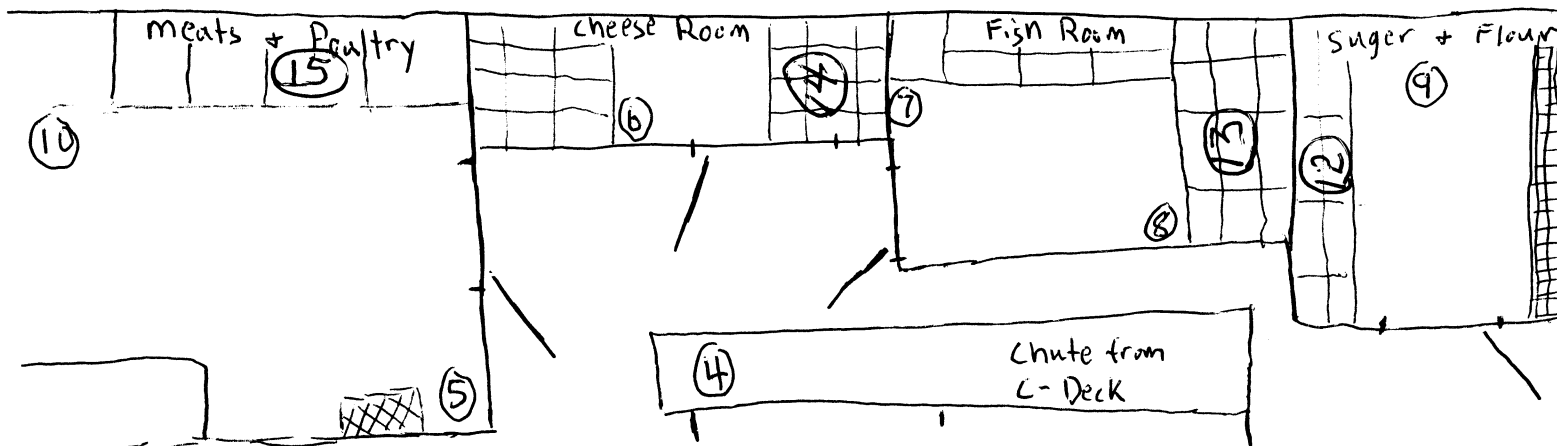
SURVEY NO. NSS-0048

Date <u>4-105</u> Time <u>8:45</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>Loman Scott</u>	Inst. Type <u>udlum 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>Paul H. Renshaw</u>	β -Factor	Eff. <u>10%</u>	
	<u>BKG-4 HR/h</u>	Bkg. <u>40</u> cpm	cpm

AREA D-Deck Food Stores

COMPONENT _____

STARBOARD SIDE



- #1 TOP OF STAIRS TO HOLD (Down)
- #2 METAL SHELVES SUGAR + FLOUR
- #3 METAL SHELVES FISH ROOM
- #4 METAL SHELVES CHEESE ROOM
- #5 METAL SHELVES MEAT + Poultry

SMEAR RESULTS $\# \text{ DPM}/100 \text{ CM}^2$				β - BETA in $\text{mRAD}/\text{hr}/100 \text{ CM}^2$					
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	13	< BKGD						
6	< BKGD	14	< BKGD						
7	< BKGD	15	< 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

RSK < 100
 DMK BKG

N.S. SAVANNAH
RADIOLOGICAL SURVEY

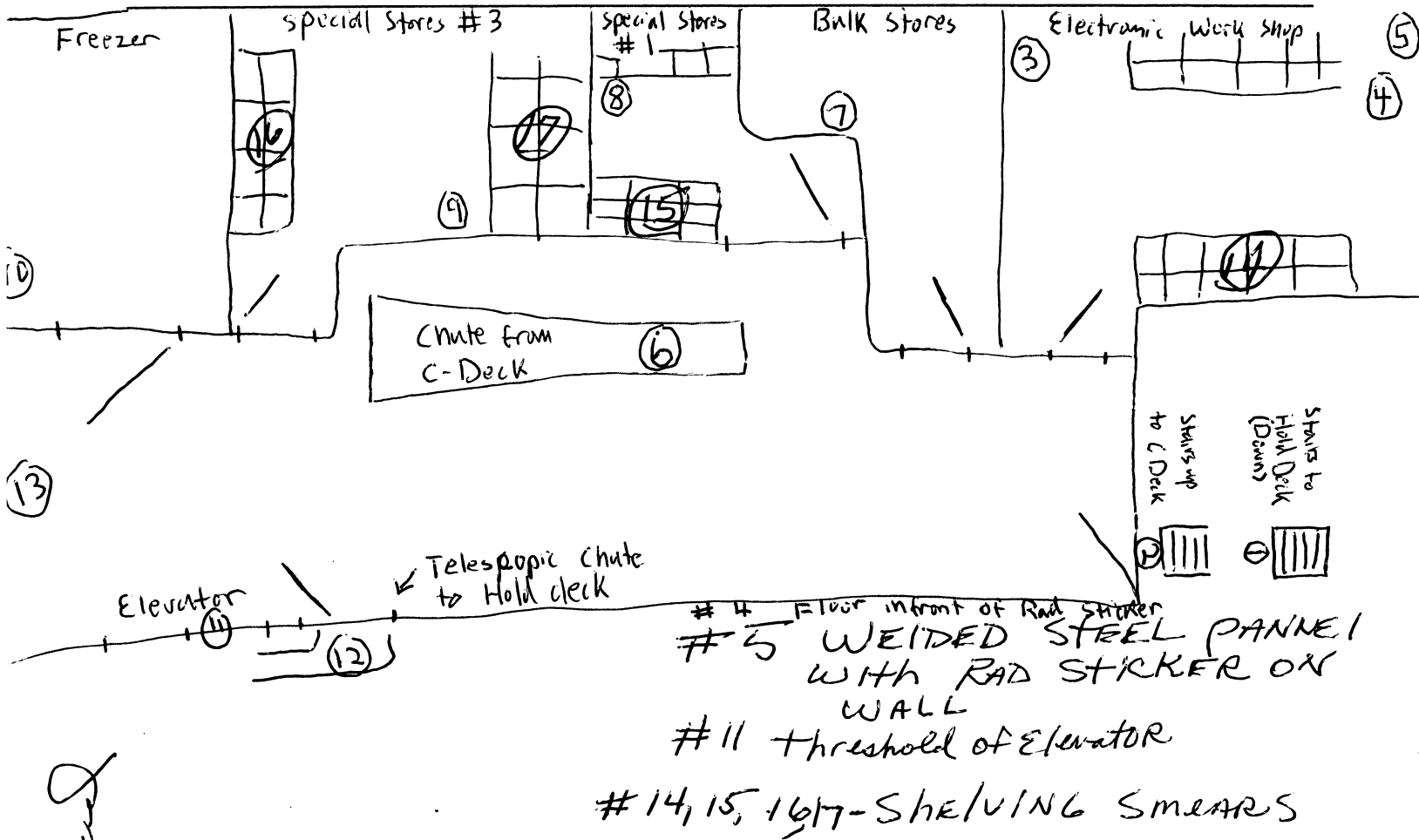
NSS-01

SURVEY NO. NSS-0049

Date <u>4-1-05</u> Time <u>1030</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>Loman Scott</u>	Inst. Type <u>Rad/um 19</u>	Beta <input checked="" type="checkbox"/>	Alpha <input type="checkbox"/>
Signature <u>Loman Scott</u>	Serial No. <u>42972</u>	Inst. Sn <u>75809</u>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Reviewed <u>Robt Korman</u>	β -Factor	Eff. <u>10%</u>	
	<u>BKG 4/hr/h</u>	Bkg. <u>40</u> cpm	cpm

AREA D-Deck Special Stores, Ect.
Port

COMPONENT Port Side



FRSK < 100
DM < Background

SMEAR RESULTS $\mu\text{N DPM}/100\text{ CM}^2$				BETA in $\text{mRAD}/\text{hr}/100\text{ CM}^2$			
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKGD	9	< BKGD	17	< BKGD		
2	< BKGD	10	< BKGD				
3	< BKGD	11	< BKGD				
4	< BKGD	12	< BKGD				
5	< BKGD	13	< BKGD				
6	< BKGD	14	< BKGD				
7	< BKGD	15	< BKGD				
8	< BKGD	16	< 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

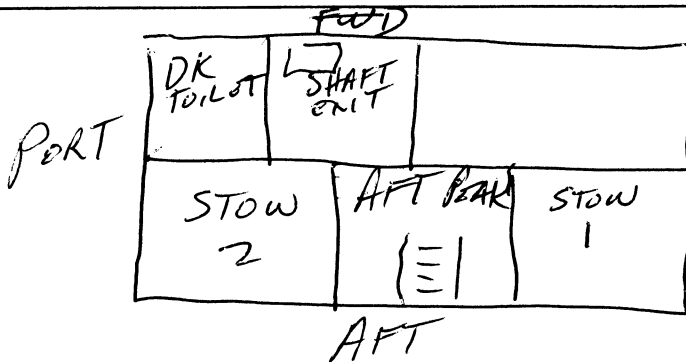
NSS-01

SURVEY NO. NSS-0050

Date <u>4/05</u> Time	DOSE RATE	CONTAMINATION	
Surveyor <u>C. G. ...</u>	Inst. Type <u>LUPLUM</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>4 mR/hr</u>	Bkg. <u>30 cpm</u>	cpm

AREA A DECK AFT HOUSE

COMPONENT _____



- SWIPES
- STOW #1 STBD
1. OUTSIDE DOOR LATCH
 2. INSIDE " " "
- AFT PEAK
3. OUTSIDE DOOR LATCHES
 4. INSIDE DOOR LATCHES
- STOW #2 PORT
5. OUTSIDE DOOR LATCH
 6. INSIDE DOOR LATCH
- DK TOILET PORT
7. OUTSIDE DOOR LATCH
 8. INSIDE DOOR LATCH
- SHAFT ALLEY EXIT
9. TOP RUNG ON LADDER
 10. EXIT DOOR LATCH
 11. ENTER DOOR LATCH

ALL AREA IN DIA
DRL BKGD
FRISK 100 CPM

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	< BKGD	9	< BKGD						
2	< BKGD	10	< BKGD						
3	< BKGD	11	< 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

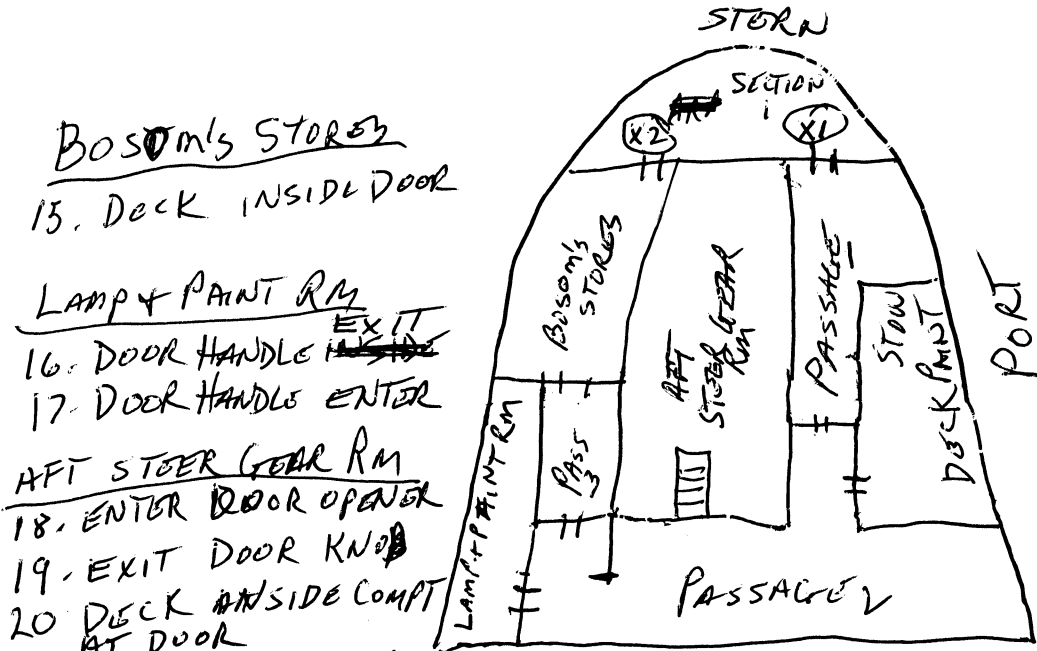
NSS-01

SURVEY NO. NSS-0051

Date <u>4/1/05</u> Time	DOSE RATE		CONTAMINATION	
Surveyor <u>C. G. Locke</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>C. G. Locke</u>	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>		
Reviewed <u>R. L. Pennington</u>	β Factor	Eff. <u>10%</u>		
	<u>4 mR/hr</u>	Bkg. <u>30 cpm</u>	cpm	

AREA B DECK STERN COMPARTMENTS

COMPONENT _____



- BOSOM'S STORES
15. DECK INSIDE DOOR
- LAMP & PAINT RM
16. DOOR HANDLE ~~EXIT~~
17. DOOR HANDLE ENTER
- AFT STEER GEAR RM
18. ENTER DOOR OPENER
19. EXIT DOOR KNOB
20. DECK INSIDE COMPT AT DOOR
21. DECK AFT STEER GEAR RM
22. STEPOVER STBD STEER GEAR RM
- ALL AREAS IN DIA.

DR < BKGD
TRISK 100 CPM

ENTIRE AREAS IN DIA. FOR BDK
DR < BKGD
TRISK 100 CPM

- SWIPES
SECTION 1
1 DOORWAY
2 DOORWAY
- PASS 1
3. ENTER DOOR KNOB
4. EXIT DOOR KNOB
- PASS 2
5. DECK INSIDE PASS 1
6. DECK OUTSIDE PT. STOW.
7. HAND RAIL
DECK PAINT STORAGE
6. DOOR HANDLE ENTER
7. DOOR HANDLE EXIT
PASSAGEWAY 2
10. DECK BOTTOM OF LADDER
11. PORT HAND RAIL
12. STBD HAND RAIL
13. DECK PASS 2 STBD
14. PASS 2 HANDRAIL STBD
~~15. BDK~~

SMEAR RESULTS $\mu\text{BPM}/100\text{CM}^2$				β - BETA $\mu\text{R}/\text{hr}/100\text{CM}^2$			
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKGD	9	< BKGD	17	< BKGD		
2	< BKGD	10	< BKGD	18	< BKGD		
3	< BKGD	11	< BKGD	19	< BKGD		
4	< BKGD	12	< BKGD	20	< BKGD		
5	< BKGD	13	< BKGD	21	< BKGD		
6	< BKGD	14	< BKGD	22	< BKGD		
7	< BKGD	15	< BKGD				
8	< BKGD	16	< 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

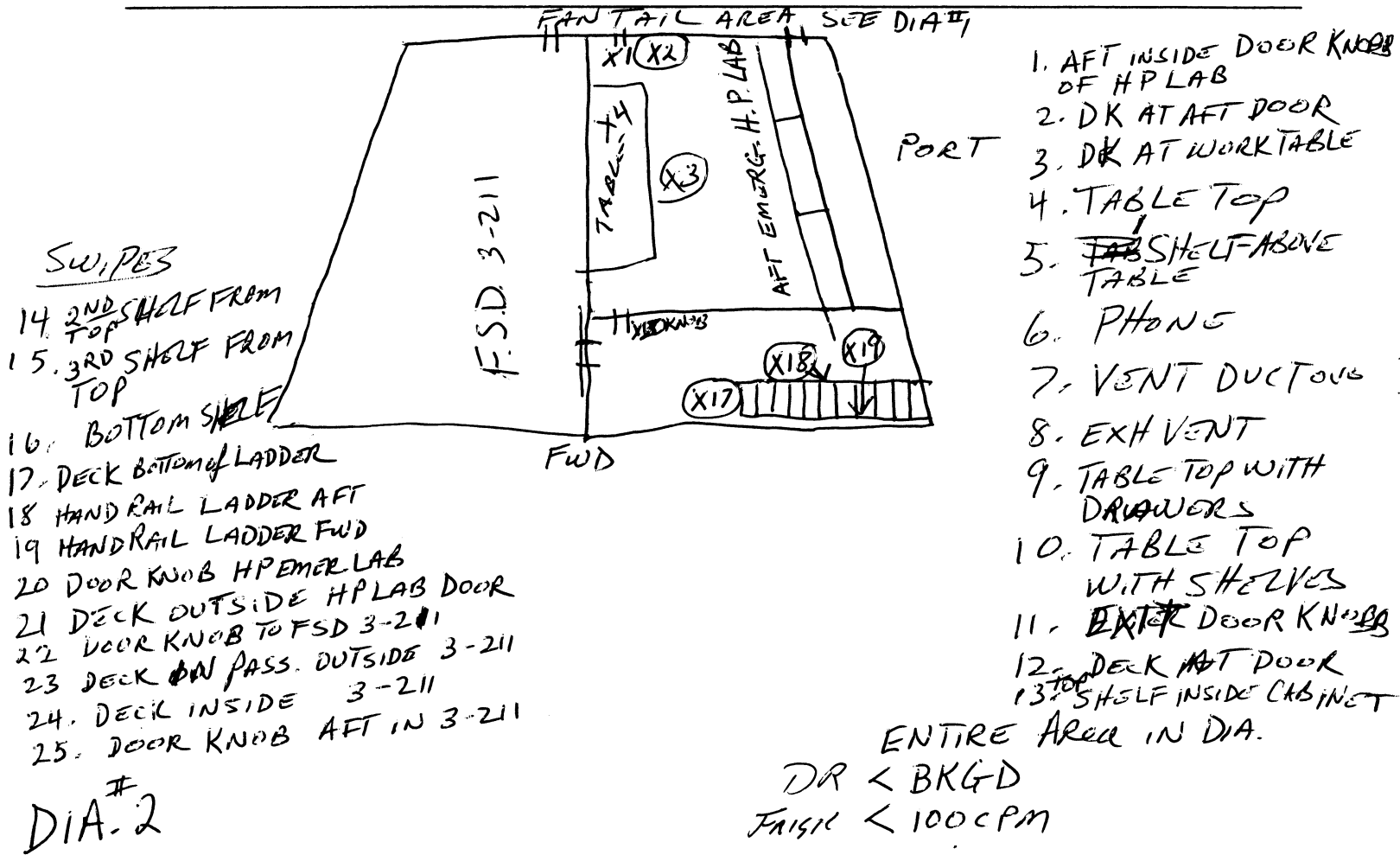
NSS-01

SURVEY NO. NSS-0052

Date <u>4/1/85</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 <u>Be...</u>	β^- Factor	Eff. <u>10%</u>	
	<u>4 mR/hr</u>	Bkg. <u>30 cpm</u>	cpm

AREA STERN "C" DECK EMERG. HP LAB

COMPONENT _____



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

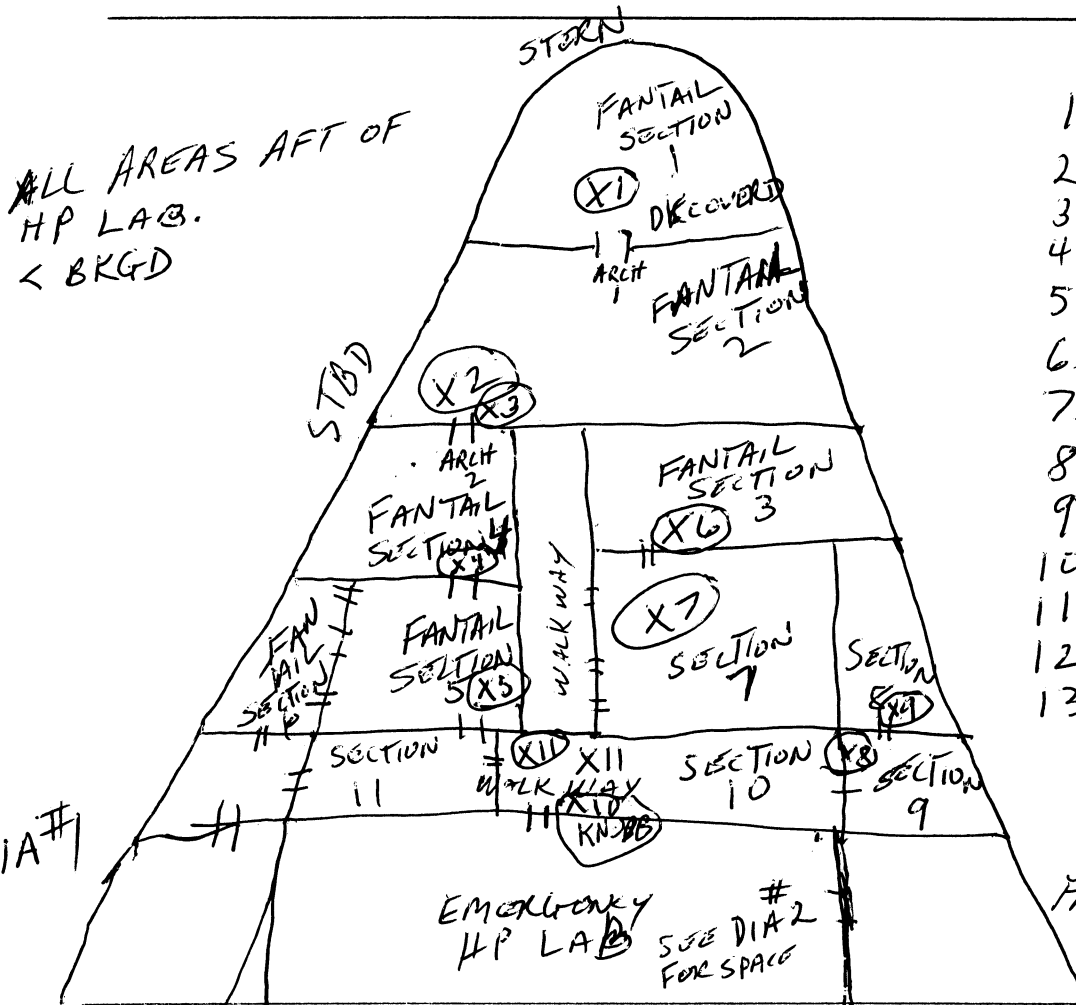
NSS-01

SURVEY NO. NSS-0053

Date <u>4/1/05</u> Time	DOSE RATE	CONTAMINATION	
Surveyor <u>C. G. ...</u>	Inst. Type <u>LUDDLUM</u>	Beta <input checked="" type="checkbox"/>	Alpha <input type="checkbox"/>
Signature <u>[Signature]</u>	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Reviewed <u>[Signature]</u>	β^- Factor	Eff. <u>10%</u>	
	<u>4 mR/hr</u>	Bkg. <u>30 cpm</u>	cpm

AREA C DECK AFT OF EMERGENCY HP LAB

COMPONENT _____



SWIPES

1. BASE PLT BEAM
2. ACCESS RING
3. STBD ACCESS RING SIDE
4. ACCESS ENTERING SECTION 2
5. DK SECTION 5
6. DK SECTION 3
7. DECK SECTION 7
8. ACCESS RING SECTION 9
9. ACCESS RING SECTION 8
10. DOOR KNOB OUTSIDE LAB
11. PASS AFT OF LAB
12. DK SECTION 11
13. ACCESS RING TO SECTION 6

ENTIRE C DECK STERN
AREAS
DR < BKGD
FRISK ~~100~~ 100 cpm

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	< 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 $\mu\text{rem/hr}$

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0054

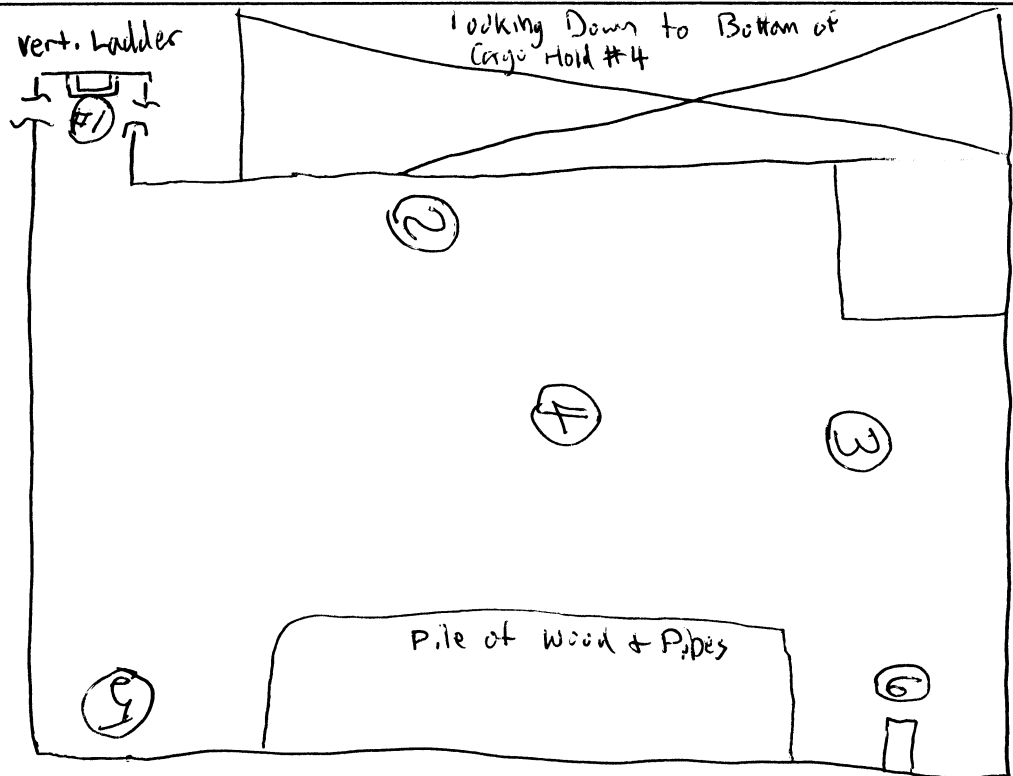
Date <u>4/1/05</u> Time <u>2:00</u>	DOSE RATE		CONTAMINATION	
Surveyor <u>Ben Scott</u>	Inst. Type <u>Ludlum 19</u>	Beta <input checked="" type="checkbox"/>	Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Ben Scott</u>	Serial No. <u>42972</u>	Inst. Sn <u>91037</u>		
Reviewed <u>Richard Lunnah</u>	β -Factor <u>/</u>	Eff. <u>10%</u>		
	<u>BKG < 4 μR/hr</u>	Bkg. <u>40</u> cpm	cpm	

AREA Cargo Hold #4 - 2nd from bottom (D-Deck)

COMPONENT _____

#6 EXHAUST
VENT FOR
REACTOR.
FRONT

FORWARD



Frisk < 100cpm / DM < BKG

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								
2	< BKG								
3	< BKG								
4	< BKG								
5	< 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

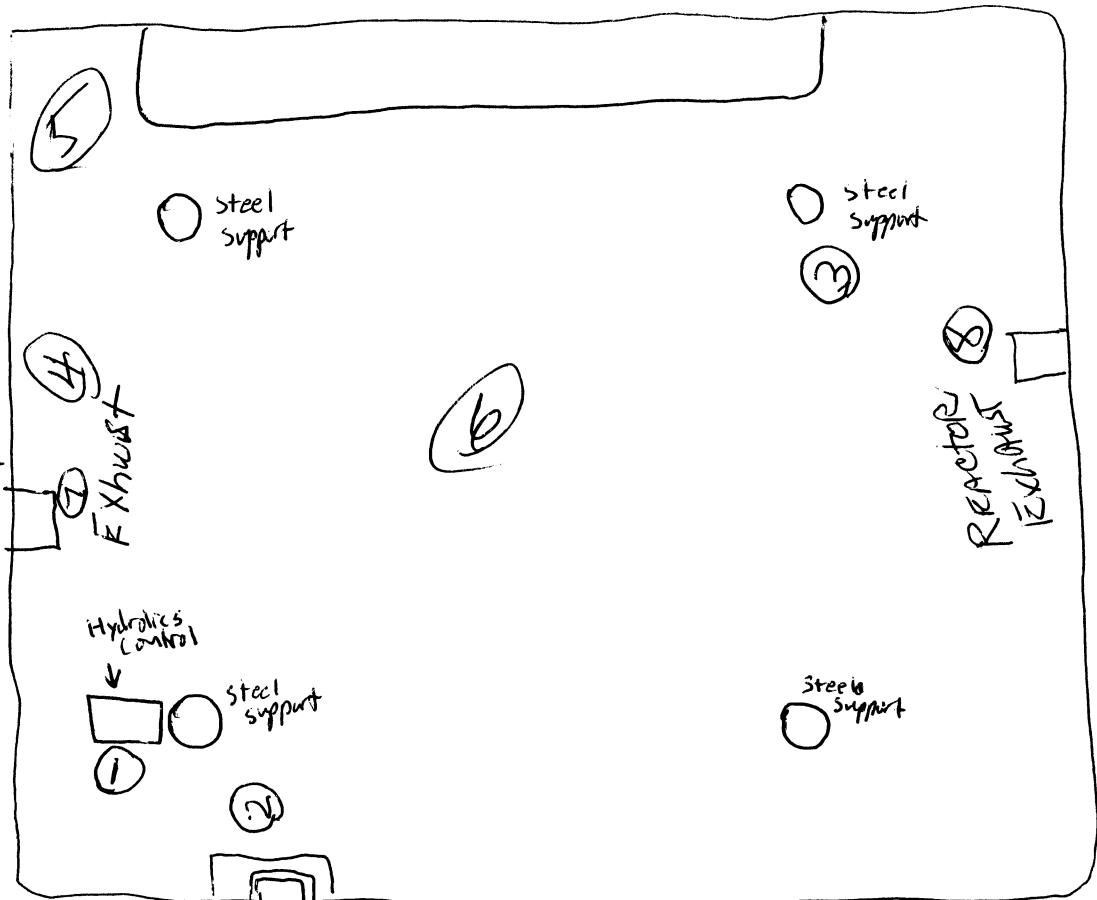
SURVEY NO. NSS-0054

Date <u>4/4/05</u> Time <u>9:40</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>Ben Scott</u>	Inst. Type <u>Iudlum 19</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Ben J. Scott</u>	Serial No. <u>42972</u>	Inst. Sn <u>91037</u>	
Reviewed <u>Ben J. Scott</u>	β -Factor <u>/</u>	Eff. <u>10%</u>	
	<u>BKG < 4 μR/Hr</u>	Bkg. <u>40</u> cpm	cpm

AREA Cargo Hold #4 - 3RD from bottom (C Deck)

COMPONENT _____

- #1 HYDRO CONTROL LEVERS
- #7 ON FRONT OF EXHAUST VENT
- #8 ON FRONT OF EXHAUST VENT (REACTOR)



Frisk < 100cpm / 10m < BKG Vent. Ladder Forward

SMEAR RESULTS		# DPM/100 CM²		B - BETA in mRAD/hr/100 CM²					
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< 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 μ rem/hr

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

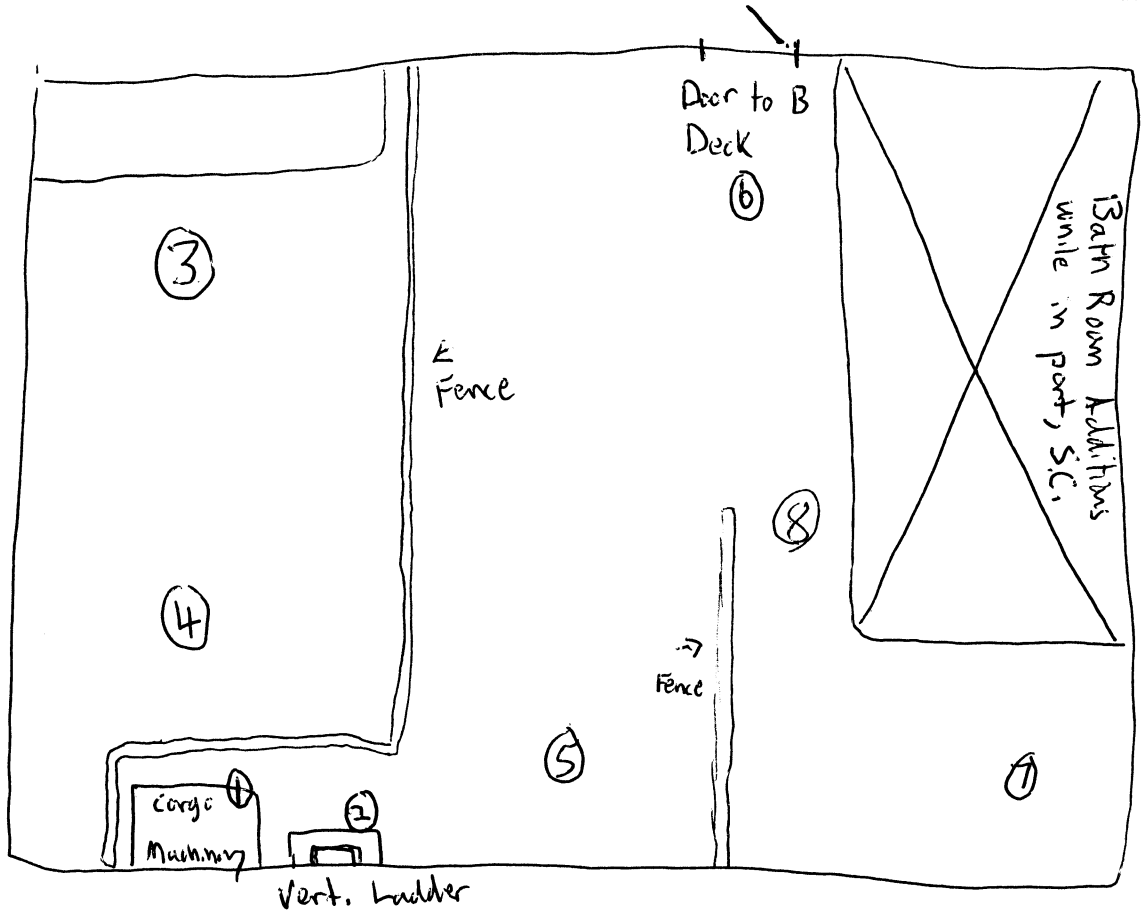
SURVEY NO. NSS-0054

Date <u>4/4/05</u> Time <u>10:00</u>	DOSE RATE		CONTAMINATION	
Surveyor <u>Ben Scott</u>	Inst. Type <u>indlum 19</u>	Beta <input checked="" type="checkbox"/>	Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Ben J. Scott</u>	Serial No. <u>42972</u>	Inst. Sn <u>91037</u>		
Reviewed <u>R. G. P. P. P.</u>	β -Factor <input checked="" type="checkbox"/>	Eff. <u>10%</u>		
	BKG <u>< 4 μR/hr</u>	Bkg. <u>40</u> cpm	cpm	

AREA Cargo Hold # 4 - B Deck

COMPONENT _____

#1 ON Top



Frisk < 100 cpm / DM < 13 K

FORWARD

SMEAR RESULTS IN DPM/100 CM²				B - BETA in mRAD/hr/100 CM ²			
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< 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 μ rem/hr

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

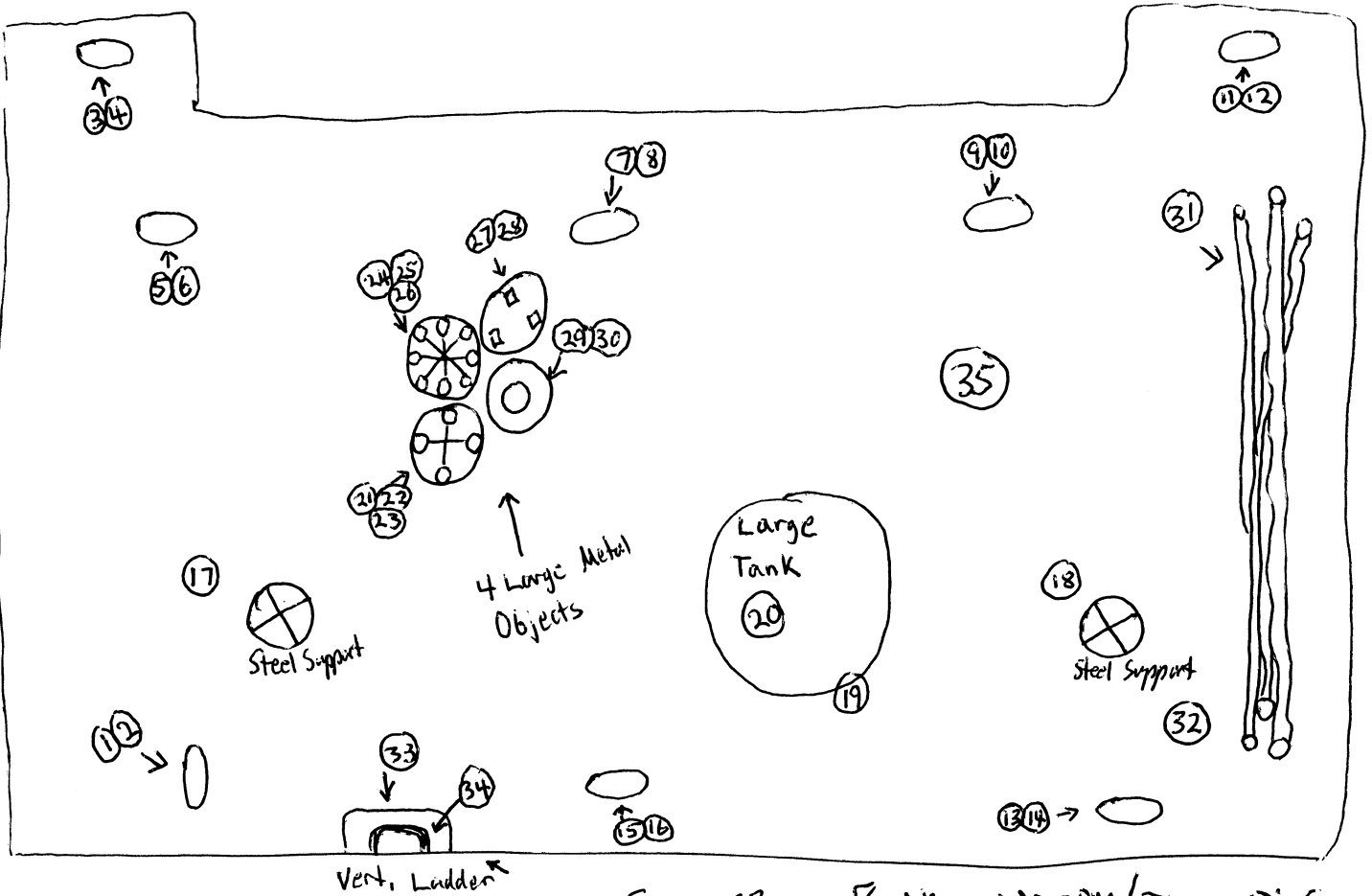
NSS-01

SURVEY NO. NSS-0054

Date <u>4/1/05</u> Time <u>12.30</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>Ben Scott</u>	Inst. Type <u>Ludlum A</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Ben J. 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>	
	BKG <u>< 4 UR/Hr</u>	Bkg. <u>40</u> cpm	cpm

AREA _____

COMPONENT Cargo Hold # 4 (Hold and 14' Flat Decks)



FORWARD

FBIK < 100CPM/DM x BKG

SMEAR RESULTS $\mu\text{BPM}/100\text{CM}^2$				BETA in mRAD/hr/100 CM ²			
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKGD	9	< BKGD	17	< BKGD	25	< BKGD
2	< BKGD	10	< BKGD	18	< BKGD	26	< BKGD
3	< BKGD	11	< BKGD	19	< BKGD	27	< BKGD
4	< BKGD	12	< BKGD	20	< BKGD	28	< BKGD
5	< BKGD	13	< BKGD	21	< BKGD	29	< BKGD
6	< BKGD	14	< BKGD	22	< BKGD	30	< BKGD
7	< BKGD	15	< BKGD	23	< BKGD	31	< BKGD
8	< BKGD	16	< BKGD	24	< BKGD	32	< BKGD
						33	< BKGD
						34	< BKGD
						35	< 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-0054 CONTINUED

Date <u>4-1-05</u> Time	DOSE RATE		CONTAMINATION	
Surveyor	Inst. Type	Beta _____	Alpha _____	Beta _____ Alpha _____
Signature	Serial No.	Inst. Sn		
Reviewed	β^- Factor	Eff.		
		Bkg.	cpm	cpm

AREA Cargo Hold # 4 (Hold + 14' Flat Deck)

COMPONENT DESCRIPTIONS

- | | |
|-----------------|--------------------|
| #1 Top of Hatch | #2 Inside of Hatch |
| #3 " " | #4 " " |
| #5 " " | #6 " " |
| #7 " " | #8 " " |
| #9 " " | #10 " " |
| #11 " " | #12 " " |
| #13 " " | #14 " " |
| #15 " " | #16 " " |

- | | |
|-----------------------------|---------------------------------|
| #17 Side of Steel Support | #29 Side |
| #18 Side of Steel Support | #30 Top |
| #19 Side of Large Tank | #31 Inside Discarded Flex. pipe |
| #20 Valve on bottom of Tank | #32 Other end " |
| #21 Top Lip of object | #33 Floor outside ladder |
| #22 Metal on inside | #34 Floor inside ladder |
| #23 Bottom | #35 Floor smear |
| #24 Side | |
| #25 Spindles | |
| #26 Inside | |
| #27 Top | |
| #28 Side | |

SMEAR RESULTS $\mu\text{BPM}/100\text{CM}^2$				B - BETA in mRAD/hr/100 CM ²					
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1		9		17		25		33	
2		10		18		26		34	
3		11		19		27		35	
4		12		20		28			
5		13		21		29			
6		14		22		30			
7		15		23		31			
8		16		24		32			

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

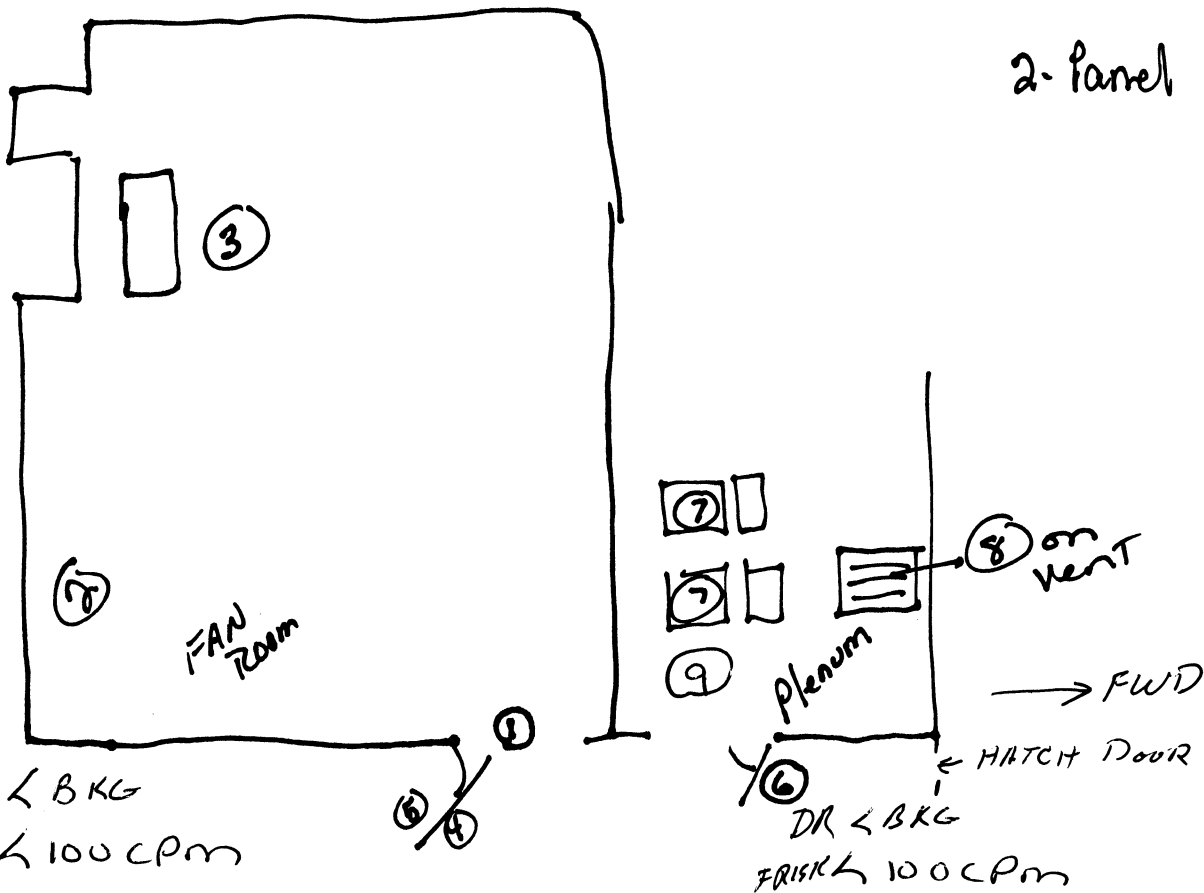
NSS-01

SURVEY NO. NSS-0055

Date <u>4-4-05</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 <u>R. L. ...</u>	β Factor	Eff. <u>10%</u>	
	<u>4 μR/hr</u>	Bkg. <u>30</u> cpm	cpm

AREA A deck Fan Room & Plenum Port Side

COMPONENT _____



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

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN μ R/hr

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

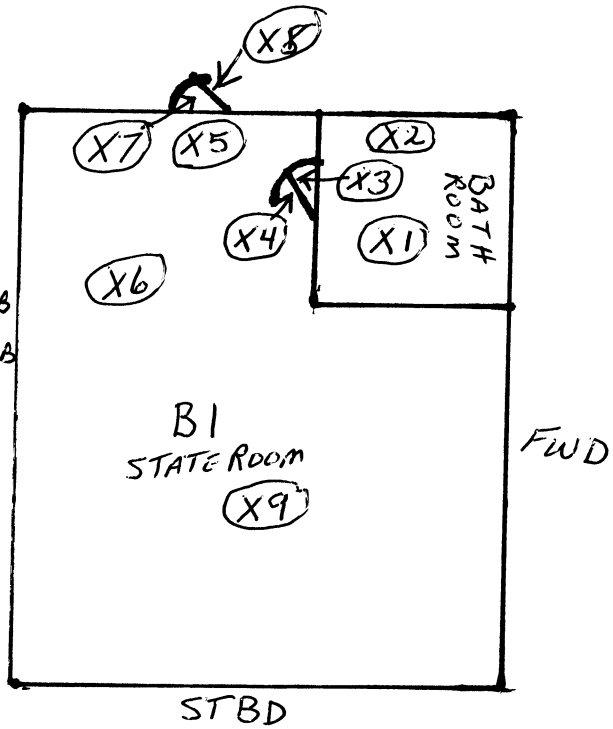
SURVEY NO. NSS-0056

Date <u>4/4/05</u> Time	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>4 uR/HR/hr</u>	Bkg. <u>30 cpm</u>	cpm

AREA B-1 STATE ROOM AND BATH "B" DECK STBD

COMPONENT WASTE STORAGE ROOM FOR RAD WASTE

1. DECK BATH Rm
2. BATH VENT
3. BATH EXIT DOOR KNOB
4. BATH ENTER DOOR KNOB
5. STATE ROOM VENT
6. STATE ROOM DECK
7. EXIT STATE ROOM DOOR KNOB
8. ENTER STATE ROOM DOOR KNOB
9. STATE ROOM DECK NEXT TO BARRELS



ALL AREAS IN DIAGRAM
< BKG
< 100 cpm

SMEAR RESULTS α - DPM/100 CM ²		B - BETA in μ RAD/hr/100 CM ²							
NO.	RESULTS	N.O.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKG	9	< BKG						
2	< BKG								
3	< BKG								
4	< BKG								
5	< BKG								
6	< BKG								
7	< BKG								
8	< 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-0057

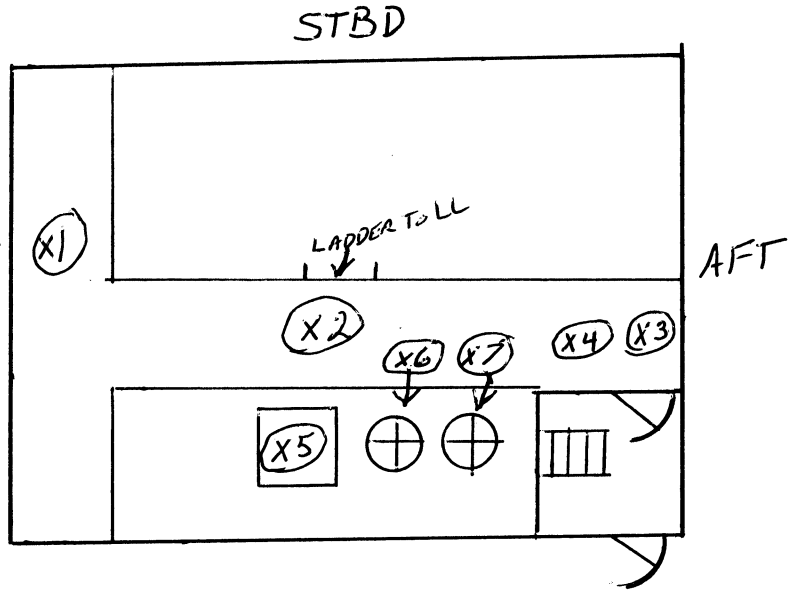
Date <u>4/4/05</u> Time	DOSE RATE		CONTAMINATION	
Surveyor <u>Cradlock</u>	Inst. Type <u>LUDLUM</u>	Beta <input checked="" type="checkbox"/>	Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Cradlock</u>	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>		
Reviewed <u>Robert G. ...</u>	β Factor	Eff. <u>10%</u>		
	<u>4uR/HR</u>	Bkg. <u>30 cpm</u>	cpm	

AREA FWD STBD STABILIZER RM. 14 FOOT FLAT

COMPONENT _____

SWIPES

1. DECK FWD WALK WAY
2. DECK AT LADDER To LL
3. LIGHT SWITCH AFT BHD
4. DECK AT LIGHT SWITCH
5. DECK OF GRATING FWD OF VALVES
6. FWD LARGE VALVE
7. AFT LARGE VALVE



ALL AREAS IN DIAGRAM
DR < BKGD
FRISK 100 cpm

SMEAR RESULTS $\mu\text{BPM}/100\text{CM}^2$				$\text{B} = \text{BETA in mRAD/hr}/100\text{CM}^2$					
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 $\mu\text{rem/hr}$

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0058

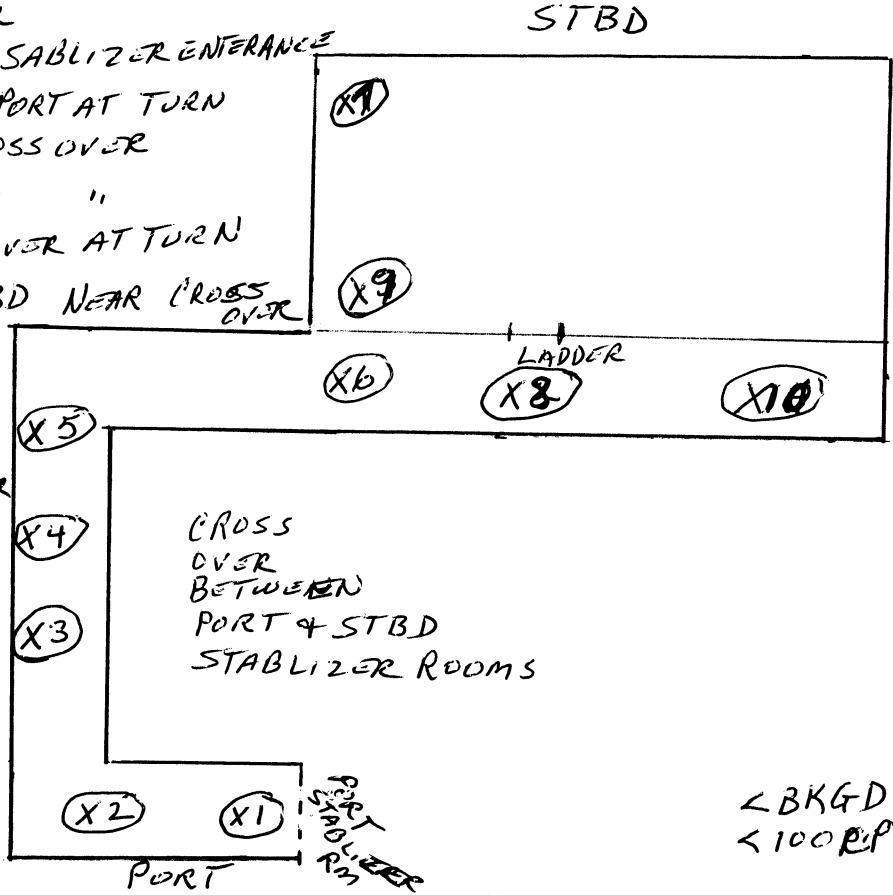
Date <u>4/4/05</u> Time	DOSE RATE	CONTAMINATION	
Surveyor <u>Craddock</u>	Inst. Type <u>LUDLUM</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>[Signature]</u>	Serial No. <u>95499</u>	Inst. Sn <u>97416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

AREA FWD STBD STABILIZER RM AND CROSS OVER LOWER LEVEL
Hold Deck

COMPONENT _____

SWIPES

1. DECK ~~STBD~~ ^{CROSSOVER} AT PORT STABILIZER ENTRANCE
2. DECK ~~STBD~~ ^{PORT} CROSSOVER PORT AT TURN
3. DECK PORT of ~~STBD~~ CROSS OVER
4. DECK STBD of ~~STBD~~ " "
5. DECK STBD CROSSOVER AT TURN
6. BILGE AREA STBD NEAR CROSS OVER
7. ~~STBD~~ TANK TOP FWD STBD
8. WALKWAY BOTTOM LADDER
9. FWD DECK TANK TOP AT CROSS OVER OPENING
10. WALKWAY DECK AFT



< BKG D
< 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	< BKG	9	< BKG						
2	< BKG	10	< BKG						
3	< BKG								
4	< BKG								
5	< BKG								
6	< BKG								
7	< BKG								
8	< 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

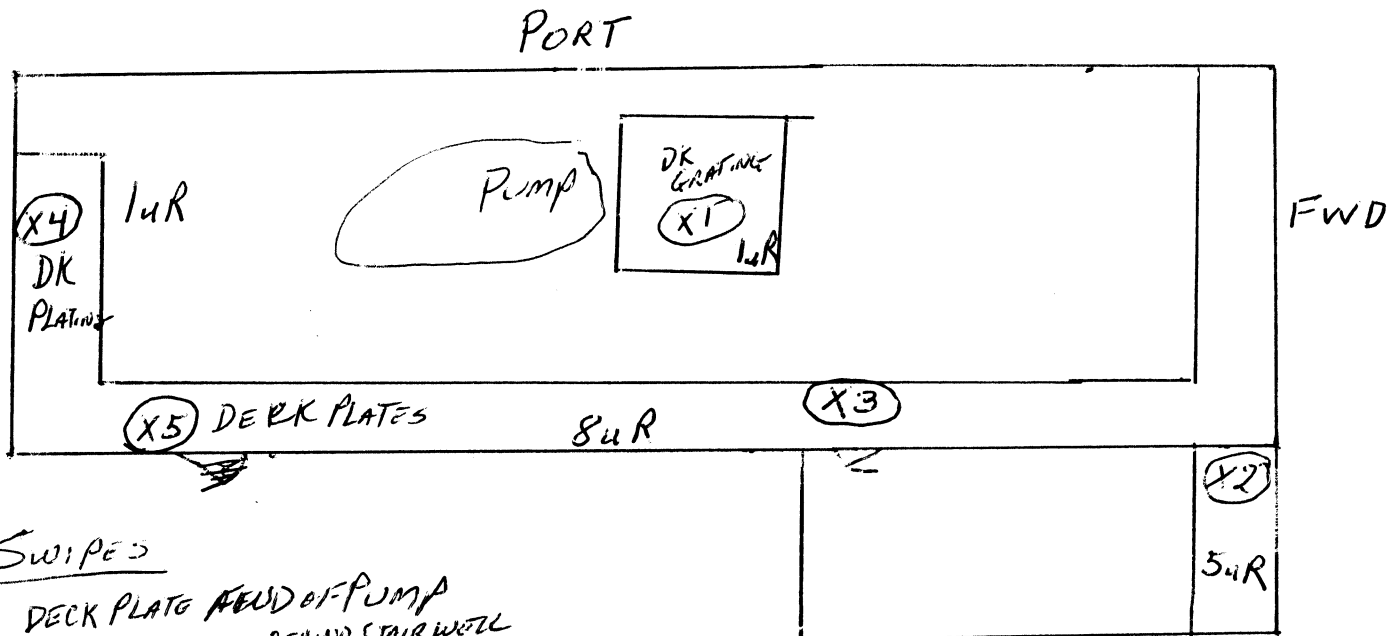
NSS-01

SURVEY NO. NSS-0059

Date <u>4/4/05</u> Time	DOSE RATE	CONTAMINATION	
Surveyor <u>C. Rappock</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>4uR/hr</u>	Bkg. <u>30</u> cpm	cpm

AREA PORT FORD STABILIZER ROOM UPPER LEVEL
14 PLAT

COMPONENT _____



SWIPES

1. DECK PLATE AFT OF PUMP
2. FWD WALKWAY BEHIND STAIRWALL
3. WALKWAY INSIDE DOOR ACCESS TO STABILIZER
4. AFT DECK PLATING OUT BD.
5. AFT DECK AT LL LADDER

DR < BKG
FRISK < 100 cpm

SMEAR RESULTS				BETA in mRAD/hr/100 CM ²					
IN DPM/100 CM ²									
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKG								
2	< BKG								
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-0060

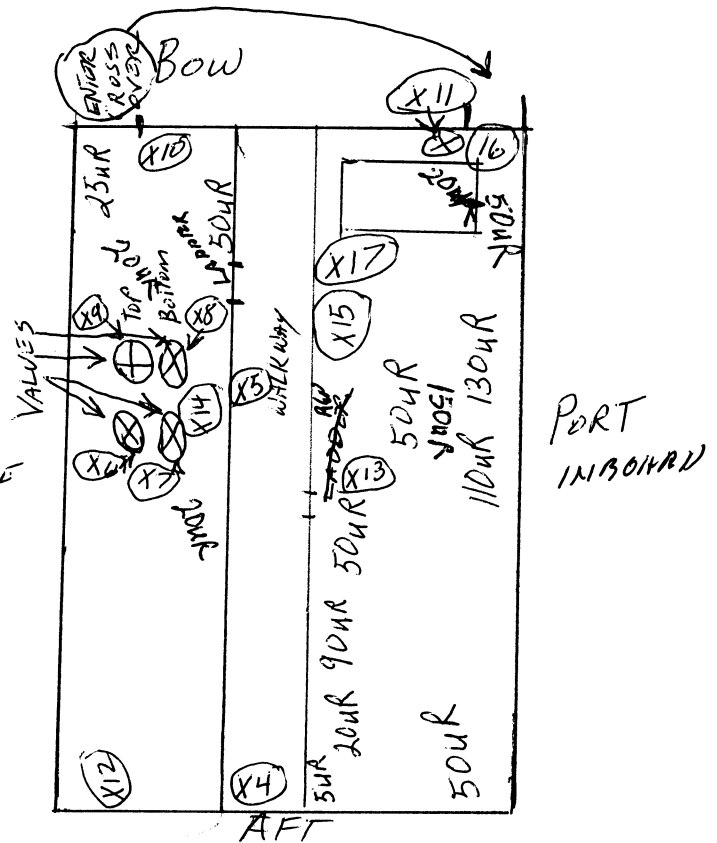
Date <u>4/4/05</u> Time	DOSE RATE	CONTAMINATION	
Surveyor <u>Craddock</u>	Inst. Type <u>LUDLUM</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>[Signature]</u>	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>	
Reviewed <u>Rab [Signature]</u>	β Factor	Eff. <u>10%</u>	
	<u>4uR/HR</u>	Bkg. <u>30cpm</u>	cpm

AREA PORT FWD STABILIZER ROOM LOWER LEVEL

COMPONENT _____

SWIPES

1. UL
2. UL
3. UL
4. DECK PLATES AFT END
5. DECK AT 4 LARGE VALVES
6. AFT TOP LARGE VALVE FLANGE + GLAND SEAL
7. AFT BOTTOM " " " "
8. BOTTOM FWD " " " "
9. TOP FWD " " " "
10. TANK TOP SURFACE FWD AT CROSS OVER ENTRANCE
11. INBOARD PORT VALVE FLANGE + GLAND SEAL
12. DECK AFT PORT OUTBOARD
13. DECK TANK TOP INBOARD OF LADDER
14. DECK BETWEEN 4 LARGE VALVES
15. DECK BELOW WALKWAY INBOARD
16. DECK BELOW AIR OPERATE VALVE
17. ~~Q~~ FWD DECK AREA



No FRISK DATA

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

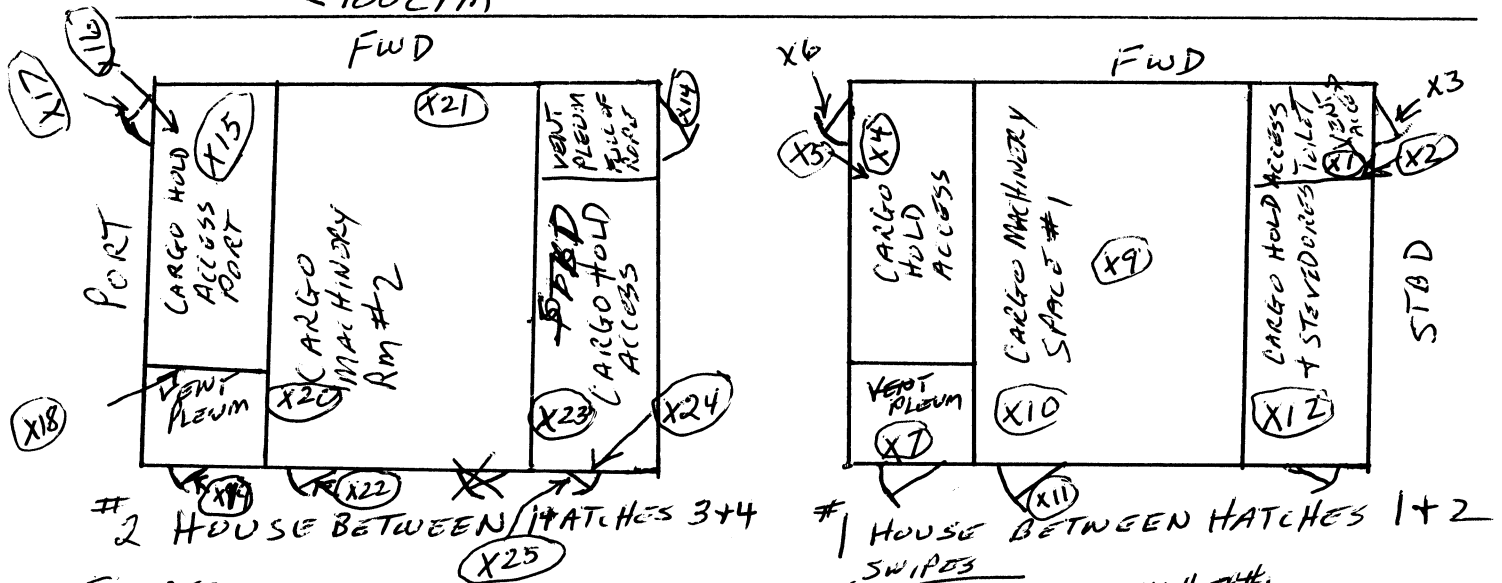
NSS-01

SURVEY NO. NSS-0061

Date ^{REV} 4/14/05 Time 08:30	DOSE RATE	CONTAMINATION	
Surveyor Craddock	Inst. Type LUDLUM	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature Craddock	Serial No. 95499	Inst. Sn 97416	
Reviewed Robert R. Pennick	β Factor	Eff. 10%	
	4mR/hr BKG	Bkg. 30 cpm	cpm

AREA FWD WEATHER DECK HOUSES BETWEEN HATCHES 1 & 4

COMPONENT ALL AREAS SHOWN ON DIAGRAMS ARE <BKGD & <100CPM



SWIPES

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. #1 House STBD VENT TRUNK DECK 2. SUPPLY VENT SWITCHES 3. ACCESS DOOR HANDLES 4. #2 House CARGO HOLD ACCESS DECK 5. #1 House " " " LIGHT SWITCH 6. #1 House " " " DOOR HANDLES 7. #1 House PORT VENT ACCESS DK 8. #1 House PORT " " DOOR HANDLES | <ol style="list-style-type: none"> 9. FWD VENT CARGO MACHY SP#1 10. CARGO MACHY SP#1 DK 11. CARGO MACHY SP#1 DOOR HANDLES 12. STEVEDORE TOILET DK 13. STEVEDORE TOILET DOOR HANDLES 14. #2 House CARGO VENT Rm DOOR HANDLES STBD 15. #2 House PORT CARGO HOLD ACCESS DECK 16. " " " " LIGHT SWITCH 17. " " " " DOOR HANDLES 18. #2 House PORT VENT PLEUM. VENT SWITCH 19. " " " " DOOR HANDLES |
|---|---|

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	9	<BKGD	17	<BKGD	20	<BKGD
2	<BKGD	10	<BKGD	18	<BKGD		
3	<BKGD	11	<BKGD	19	<BKGD		
4	<BKGD	12	<BKGD	21	<BKGD		
5	<BKGD	13	<BKGD	22	<BKGD		
6	<BKGD	14	<BKGD	23	<BKGD		
7	<BKGD	15	<BKGD	24	<BKGD		
8	<BKGD	16	<BKGD	25	<BKGD		

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

(COVER)

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0001

Date <u>4/4/05</u> Time <u>0830</u>	DOSE RATE	CONTAMINATION	
Surveyor	Inst. Type <u>LUCLUM</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>	
Reviewed	β Factor	Eff. <u>10%</u>	
	<u>4mR/hr BKGD</u>	Bkg. <u>30 cpm</u>	cpm

AREA FWD WEATHER DECK HOUSES BETWEEN HATCHES 1 AND 4

COMPONENT ALL AREAS SHOWN ON DIAGRAMS ARE < BKGD AND < 100 CPM

CONTINUATION OF PAGE 1

SWIPES

- 20. #2 HOUSE CARGO MACHINERY SP. #2 DECK
- 21. " " " " " VENT
- 22. " " " " " DOOR LATCH
- 23. #2 HOUSE CARGO HOLD ACCESS HAND HOLD
- 24. " " " " " DOOR LATCH EXIT
- 25. " " " " " " " ENTRANCE

Page 2 of 2

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

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

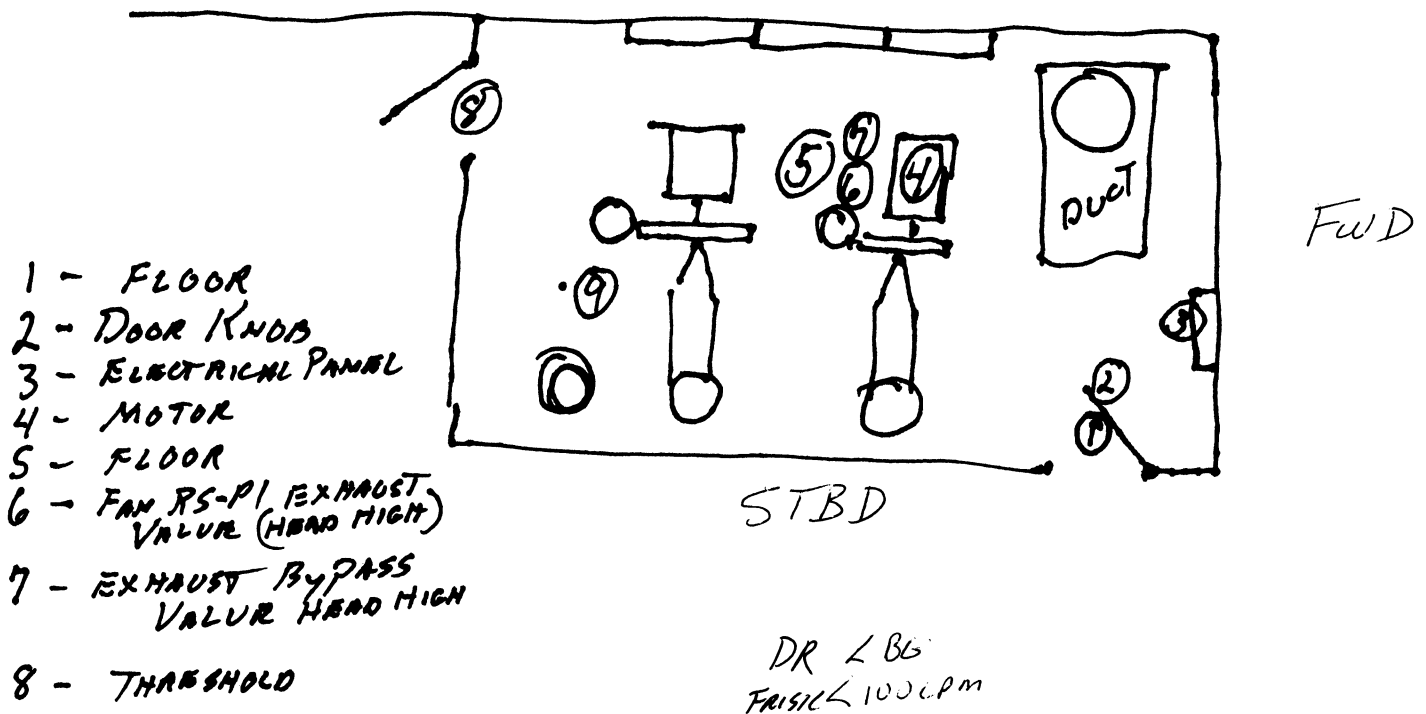
NSS-01

SURVEY NO. NSS-0062

Date <u>4-5-05</u> Time <u>9:30</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>A. Craddock</u>	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>	
Reviewed <u>Ralph Pennoch</u>	β Factor	Eff. <u>10%</u>	
	<u>4uR/HR BKG</u>	Bkg. <u>30 cpm</u>	cpm

AREA B DECK FAN Room To COND CHAM LUD

COMPONENT _____



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	9	< BKG						
2	< BKG	10	TOXIC						
3	< BKG								
4	< BKG								
5	< BKG								
6	< BKG								
7	< BKG								
8	< 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

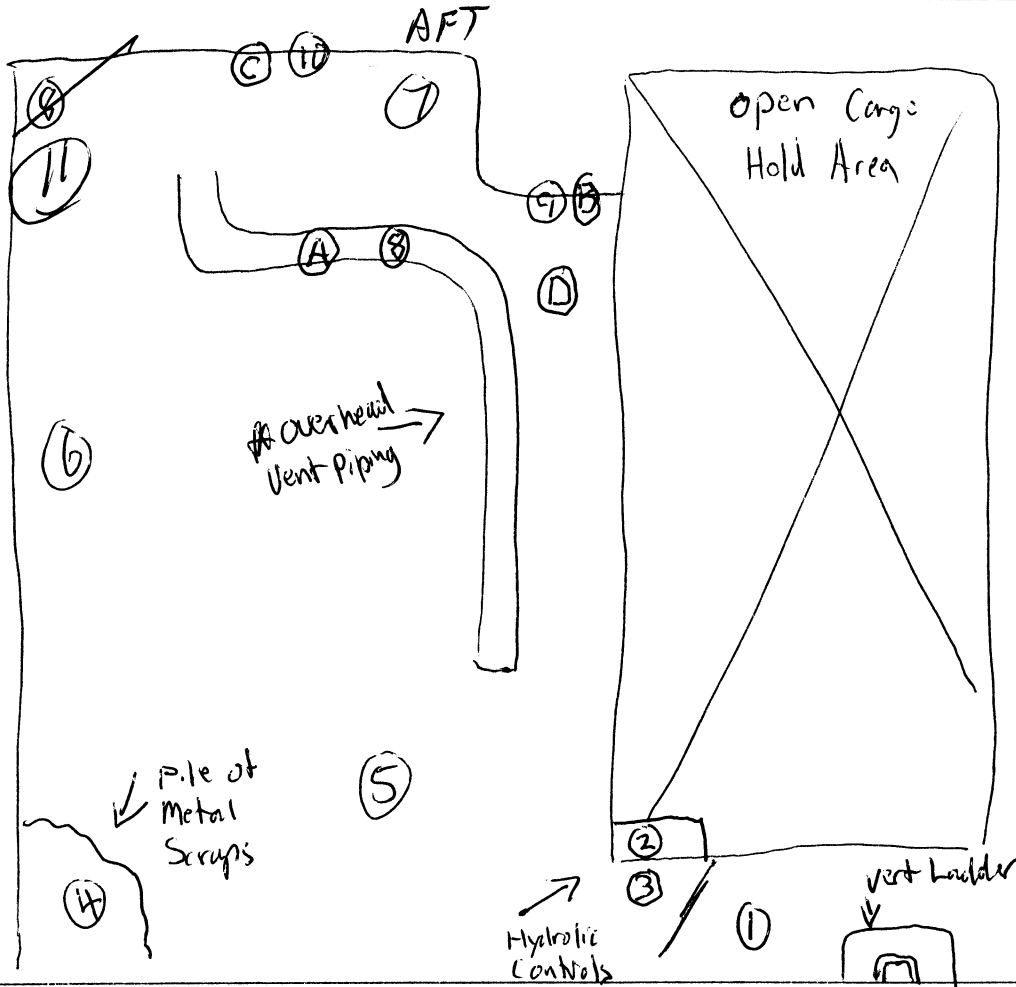
NSS-01

SURVEY NO. NSS-0063

Date <u>4/30/5</u> Time <u>1315</u>	DOSE RATE		CONTAMINATION	
Surveyor <u>Logan 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>Logan Scott</u>	Serial No. <u>42972</u>	Inst. Sn <u>91037</u>		
Reviewed <u>De W. Cunningham</u>	B Factor	Eff. <u>10%</u>		
	<u>BRG-4 hr/h</u>	Bkg. <u>40</u> cpm		cpm

AREA Hold #4 D Deck (Starboard)

COMPONENT _____



- #2 Hydraulic controls
 - #8 Overhead vent Pipe
 - #9 Back Wall
- DM Readings
in uR/h
- A-38 - vent
250 ~~pts~~
 - B-~~400~~ - Back wall
 - C-6 - Back Wall
 - D-~~10,000~~ - Floor
250 ~~pts~~

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

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

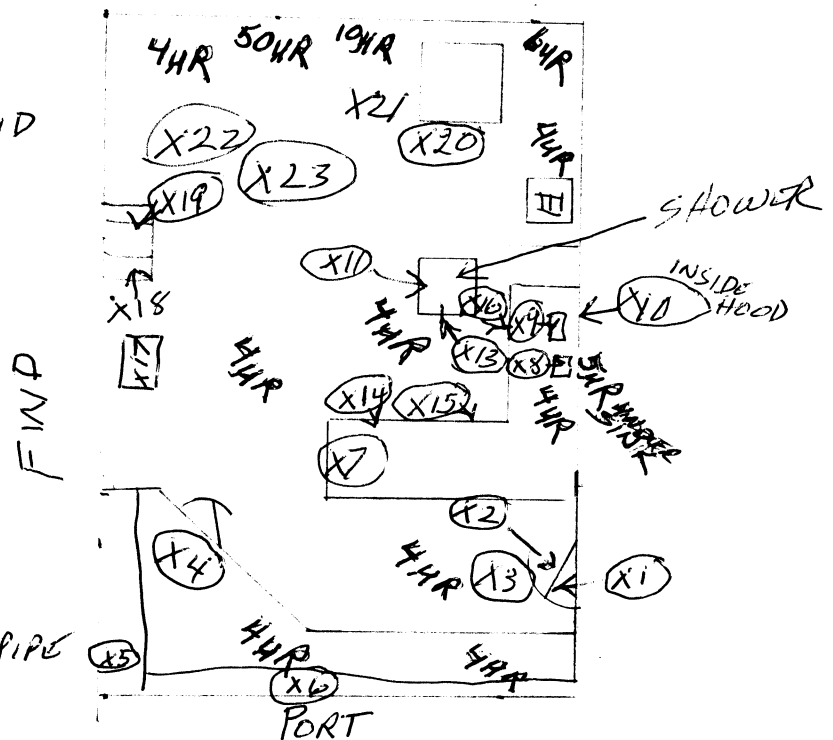
SURVEY NO. NSS-0064

Date <u>4/5/05</u> Time <u>09:00</u>	DOSE RATE		CONTAMINATION	
Surveyor	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 <u>Craddock</u>	β Factor	Eff. <u>10%</u>		
<u>Radiation</u>	<u>4 μR/HR BKG</u>	Bkg. <u>30 cpm</u>	cpm	

AREA UPPER LEVEL "C" DECK COLD WATER CHEMICAL LABORATORY
RADIATION MONITORING ROOM FWD

COMPONENT _____

1. ENTER DOOR LATCH
2. EXIT DOOR LATCH
3. DECK INSIDE DOOR
4. DECK INSIDE STORAGE
5. POLY 5 GAL BOTTLE FULL OF FLUID
6. PORT SHELF 4TH FROM BOTTOM
7. DRAIN TABLE FWD PORT END
8. DRAIN TABLE AT 1ST SINK INSIDE
9. ~~SHAK~~ UNDER HOOD SINK
10. INSIDE HOOD OVER SINK
11. SHOWER HANDLE
12. SHOWER DECK
13. SHOWER DOOR WAY
14. 1ST SHELF FROM TOP FWD PORT TABLE
15. 2ND " " " " " "
16. DK INSIDE SINK CABINET UNDER DRAIN PIPE
17. EXH VENT OVERHEAD
18. CROSS OVER STEP PORT ϕ
19. CROSS OVER STEP STBD ϕ



(Page 1 of 2)

SMEAR RESULTS μ BPM/100 CM^2				B - BETA in mRAD/hr/100 CM^2			
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKG	9	< BKG	17	< BKG		
2	< BKG	10	< BKG	18	< BKG		
3	< BKG	11	< BKG	19	< BKG		
4	< BKG	12	< BKG	20	< BKG		
5	< BKG	13	< BKG	21	< BKG		
6	< BKG	14	< BKG	22	< BKG		
7	< BKG	15	< BKG	23	< BKG		
8	< BKG	16	< BKG	2			

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

N.S. SURVEILLANCE
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0064

Date <u>4/5/05</u> Time <u>0900</u>	DOSE RATE	CONTAMINATION	
Surveyor	Inst. Type <u>LUDLUM</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>	
Reviewed	β^- Factor	Eff. <u>10%</u>	
		Bkg. <u>30</u> cpm	cpm

AREA UPPER LEVEL "C" DECK COLD WATER CHEMICAL LABORATORY
RADIATION MONITORING ROOM

COMPONENT _____

CONT' FROM PAGE 1

SWIPES

- 20. TOP OF LEAD BRICKS UNDER ITEM COVERED WITH LEAD
- 21. DECK IN FRONT OF ITEM LISTED ABOVE
- 22. DECK BESIDE RC VENT
- 23. INSIDE ORANGE VENT DUCT IN OVER HEAD

PAGE 2 of 2

SMEAR RESULTS IN DPM/100 CM²				BETA IN mRAD/100 CM²					
NO.	RESULTS	N O.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS

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

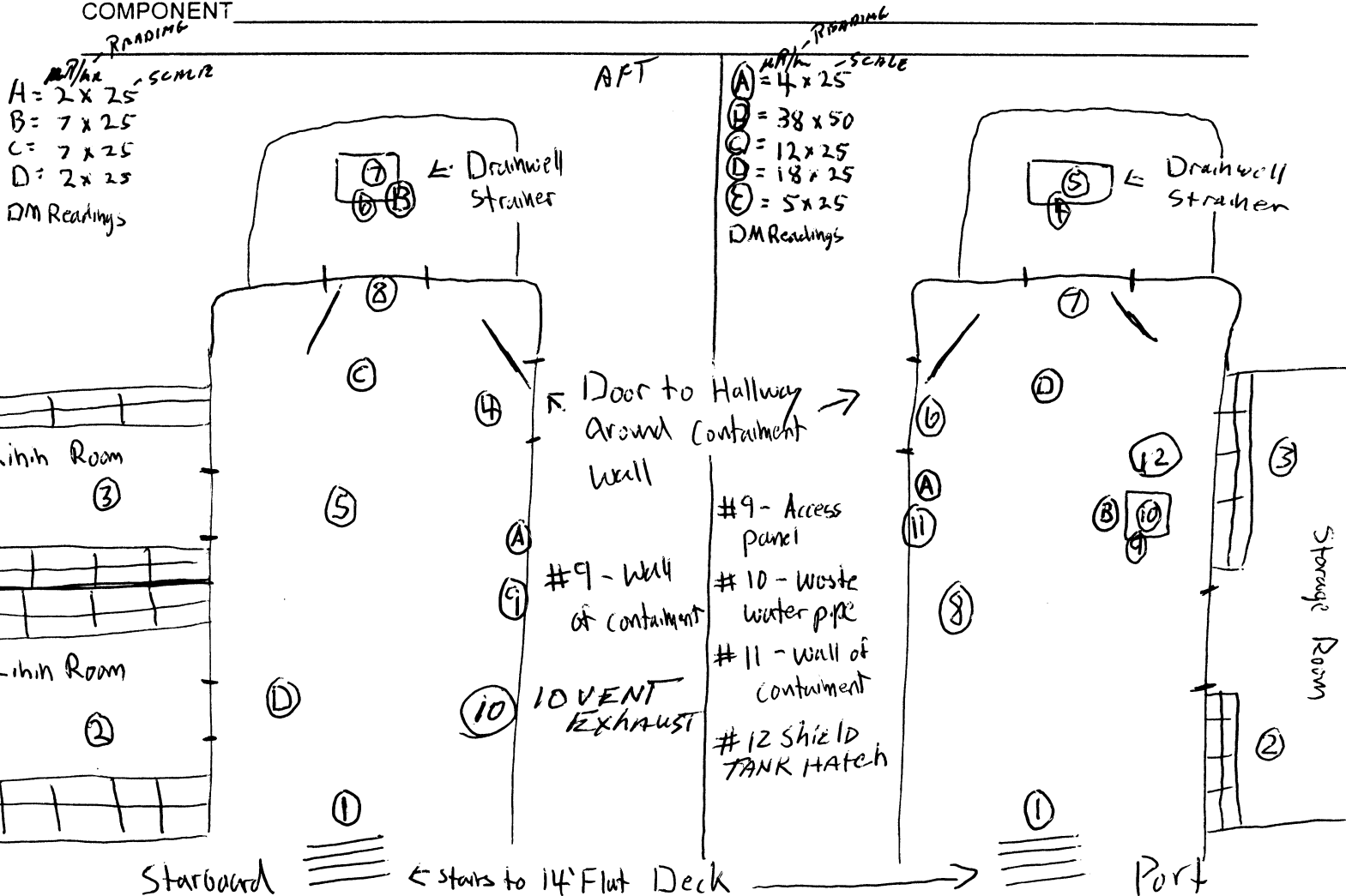
NSS-01

SURVEY NO. 155-0065

Date <u>4-5-05</u> Time <u>1100</u>	DOSE RATE		CONTAMINATION	
Surveyor <u>Zaman Asat</u>	Inst. Type <u>Ludlum A</u>	Beta <input checked="" type="checkbox"/>	Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Zaman Asat</u>	Serial No. <u>42972</u>	Inst. Sn <u>90137</u>		
Reviewed <u>Bulet Purnama</u>	B-Factor <u>4 M/R/hr</u>	Eff. <u>10°/10</u>		
		Bkg. <u>4</u> cpm		cpm

AREA Hold Deck Starboard & Port

COMPONENT _____



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

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

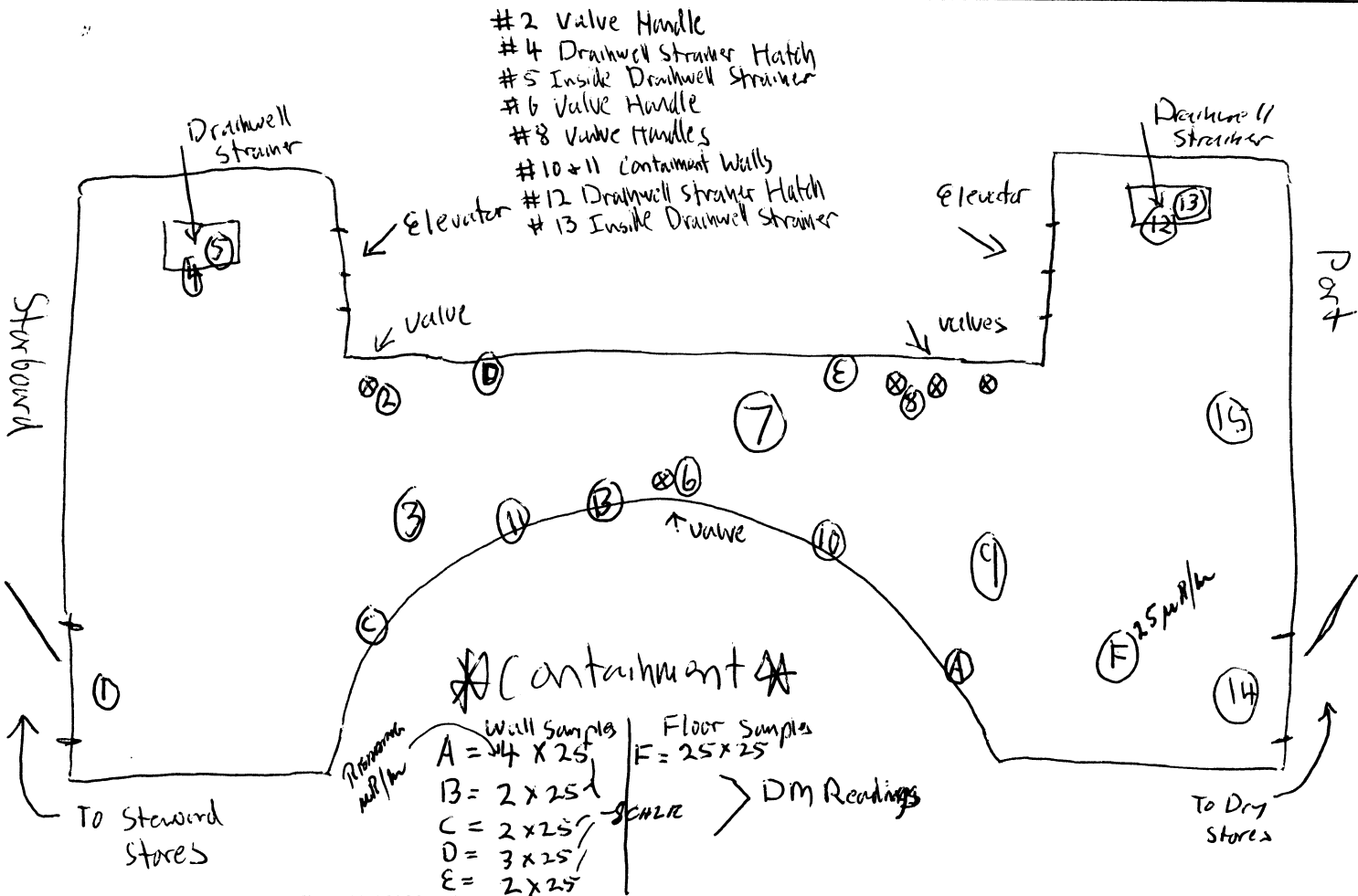
NSS-01

SURVEY NO. NSS-6046

Date <u>4-5-05</u> Time <u>1100</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>Leman 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>Leman Scott</u>	Serial No. <u>42978</u>	Inst. Sn <u>90137</u>	
Reviewed <u>Robert Pennoch</u>	Factor	Eff. <u>10%</u>	
	<u>4 MR/hr</u>	Bkg <u>4 cpm</u>	cpm

AREA Hall Way Inbetween Port + Starboard on Hold Deck
(Around Containment)

COMPONENT _____



SMEAR RESULTS IN DPM/100 CM ²				BETA in mRAD/hr/100 CM ²			
NO.	RESULTS	N.O.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKG	9	< BKG				
2	< BKG	10	< BKG				
3	< BKG	11	< BKG				
4	< BKG	12	< BKG				
5	< BKG	13	< BKG				
6	< BKG	14	< BKG				
7		15	< BKG				
8							

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

N.S. SAVANNAH
RADIOLOGICAL SURVEY

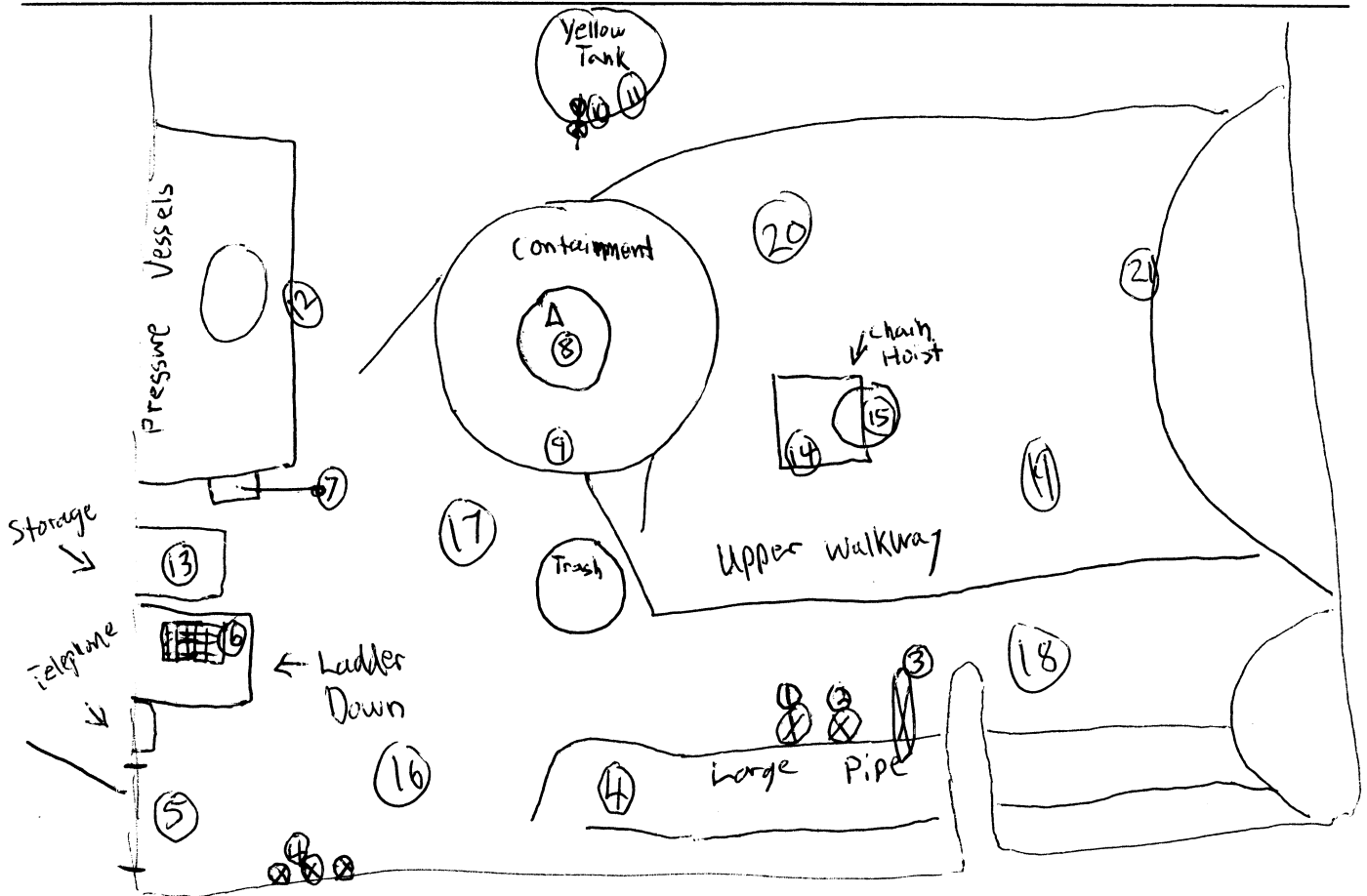
NSS-01

SURVEY NO. NSS-0067

Date <u>4/6/05</u> Time <u>1:00</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>Bry Scott</u>	Inst. Type <u>Liulin 19</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Bry Scott</u>	Serial No. <u>95499</u>	Inst. Sn <u>42972</u>	
Reviewed <u>Ralph A. ...</u>	β^- Factor <input checked="" type="checkbox"/>	Eff. <u>10%</u>	
	<u>13K6 4 MR/Hr</u>	Bkg. <u>40 μR^{25} cpm</u>	cpm

AREA Secondary Containment - B Deck AFT of Reactor

COMPONENT _____



DR < BKG / < 100 CPM FRIEK

SMEAR RESULTS $\mu\text{BPM}/100\text{CM}^2$				B = BETA in $\text{mRAD}/\text{hr}/100\text{CM}^2$			
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKG	9	< BKG	17	< BKG		
2	< BKG	10	< BKG	18	< BKG		
3	< BKG	11	< BKG	19	< BKG		
4	< BKG	12	< BKG	20	< BKG		
5	< BKG	13	< BKG	21	< BKG		
6	< BKG	14	< BKG				
7	< BKG	15	< BKG				
8	< BKG	16	< BKG				

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-0067

Date	Time	DOSE RATE		CONTAMINATION	
Surveyor		Inst. Type	Beta _____	Alpha _____	Beta _____ Alpha _____
Signature		Serial No.	Inst. Sn		
Reviewed		β^- Factor	Eff.		
			Bkg. _____	cpm _____	cpm _____

AREA SECONDARY AREA Containment - B Deck ART OF REACTOR

COMPONENT _____

- #1 + #2 - Valve Controls
- #3 - Large Valve Control
- #4 - Side of Large Pipe
- #6 - Ladder Down
- #7 - Handle for Pressure Vessel
- #8 - Removable Steel Cover
- #9 - Containment Houshy
- #10 - Valve controls
- #11 - Side of Large Yellow Tank
- #12 - Side of Pressure Vessell
- #13 - Top of Storage Cab.
- #14 - Chain on Chain Hoist
- #15 - Main Part of Chain Hoist
- #21 Side of Reactor

SMEAR RESULTS α - ALPHA in mRAD/hr/100 CM ²				β - BETA in mRAD/hr/100 CM ²			
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS

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-0068

Date <u>4/6/05</u> Time <u>10:00</u>	DOSE RATE		CONTAMINATION	
Surveyor <u>Ben Scott</u>	Inst. Type <u>Iudlum 19</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>/</u>	Eff. <u>10%</u>		
	BKG <u>2 MR/H</u>	Bkg. <u>40</u> cpm	cpm	

AREA HIP Lab - A Deck

COMPONENT _____

- #2 - #~~10~~¹⁰ - Upper Cabinets
- #13 - Top of Scales
- #14 - Counter in front of Scales
- #16 - Top of Scales
- #17 - Counter in front of Scales
- #20 - Inside Reg. Sink
- #21 - " "
- #22 - Inside Hot Sink
- #23 - Top of Drain inside Hot Sink
- #24 - Outside of trap of Hot Sink
- #32 - #38 - Lower Cabinets + Shelves
- #40 - Air Vent
- #41 - " "

DM Readings

- 4 MR above Hot Sink
- 5 MR inside Hot Sink

CPM Readings

- 350 inside Hot sink
- Rest of the Room < 100 CPM

* Smear No. 22 and 23 had activity levels above background but below MDA (minimum detectable activity) ~~160 dpm~~ ¹²²¹ ~~160 dpm~~ ^{ROR}

Smear #23 ~~800 dpm/100cm²~~ ^{110 dpm/100cm²} counter #2
Smear #22 ~~800 dpm/100cm²~~ ¹⁴⁸ counter #1

SMEAR RESULTS IN dpm/100 cm ²				B - BETA in mRAD/hr/100 CM²			
NO.	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*	1221 ¹¹⁰	30	< BKG
7	< BKG	15	< BKG	23*	148	31	< BKG
8	< BKG	16	< BKG	24	< BKG	32	< BKG
						33	< BKG
						34	< BKG
						35	< BKG
						36	< BKG
						37	< BKG
						38	< BKG
						39	< BKG
						40	< BKG
						41	< BKG

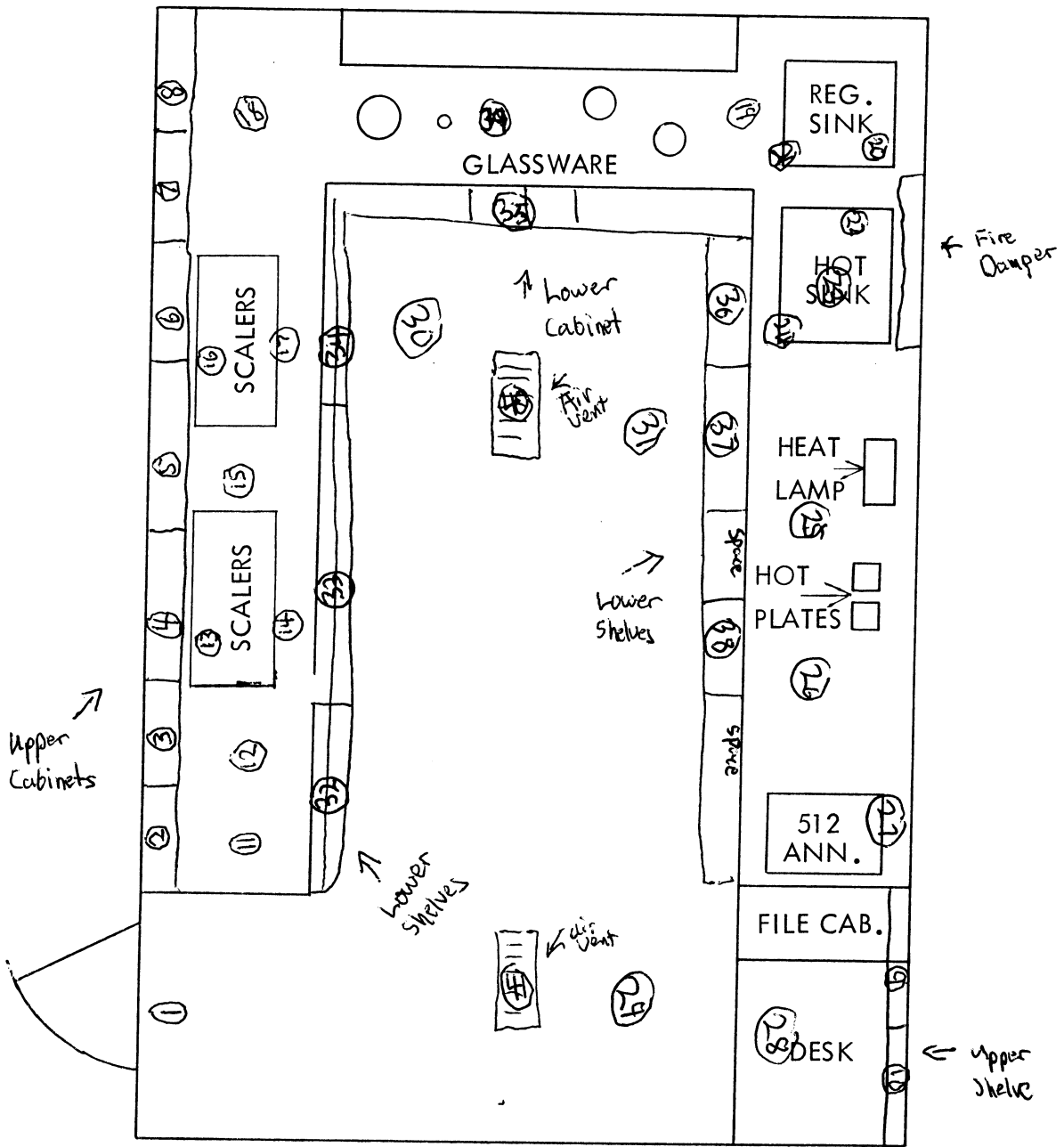
RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN μ rem/h

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA



N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

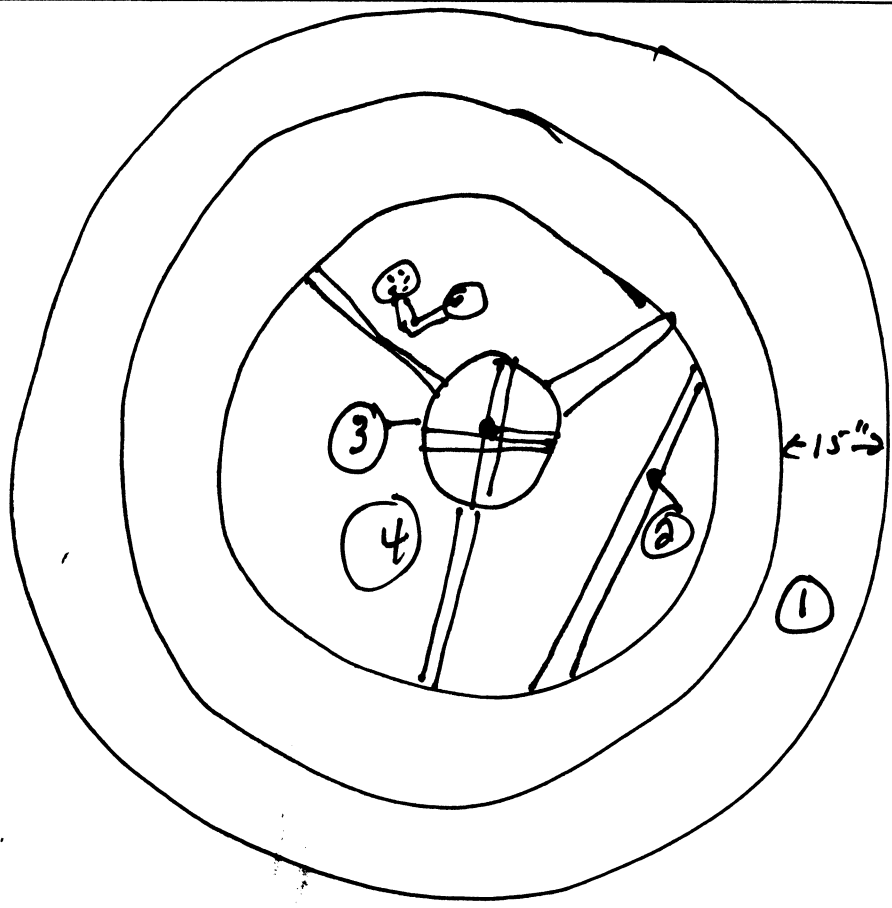
SURVEY NO. NSS-0069

Date <u>4-7-05</u> Time <u>9:00</u>	DOSE RATE		CONTAMINATION	
Surveyor <u>Logan Scott</u>	Inst. Type <u>Dudman 19</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>95469</u>	Inst. Sn <u>75809</u>		
Reviewed <u>Ralph [Signature]</u>	B -Factor <u>2uR/h</u>	Eff. <u>10%</u>		
	CR <u>CR</u> <u>100</u>	Bkg. <u>30</u> cpm	cpm	

AREA CONTAINMENT VESSEL, PLUG & INSIDE HATCH CONTROLS

COMPONENT _____

- 1 - inside phys wall
- 2 - hand handle
- 3 - wheel
- 4 - under wheel
- 5 - on gauge



15uR/h @ gauge

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

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

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-6070

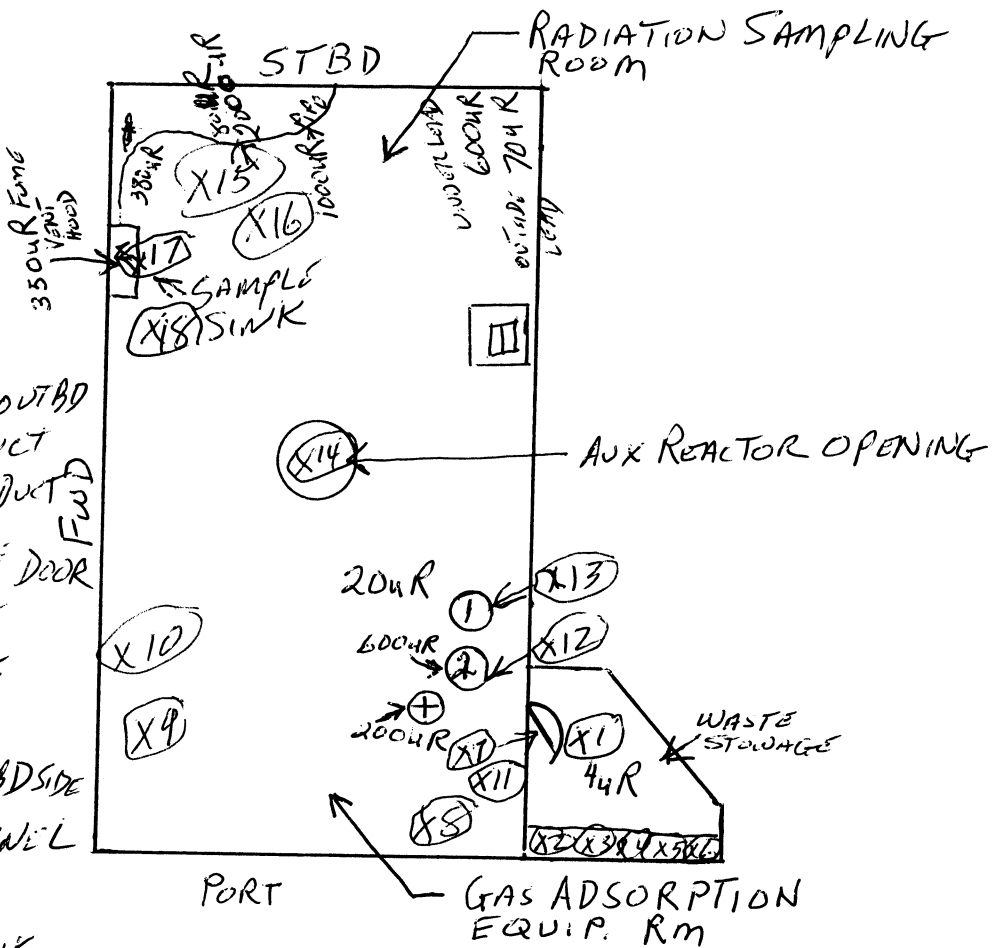
Date	Time	DOSE RATE		CONTAMINATION	
4-7	05	Inst. Type	LUDLUM	Beta <input checked="" type="checkbox"/>	Alpha <input type="checkbox"/>
Surveyor	JAMES H. LOUGHRAN	Serial No.	95499	Inst. Sn	97416
Signature	<i>[Signature]</i>	β Factor		Eff.	10%
Reviewed	<i>[Signature]</i>			Bkg.	30 cpm
			4 μ R/HR		cpm

AREA LOWER LEVEL "D" DECK RADIATION SAMPLING RM, GAS ADSORPTION EQUIP. RM, WASTE STORAGE RM

COMPONENT ACCESS THROUGH "C" DECK, COOL WATER CHEMISTRY LAB

SWIPES

1. INSIDE WASTE STORAGE DECK
2. TOP SHELF " "
3. 2ND SHELF " "
4. 3RD " " "
5. 4TH " " "
6. BOTTOM " " "
7. ENTER DOOR KNOB
8. DK RADIATION SAMPL. RM PORT OUTBD
9. INSIDE HANGING VENT DUCT
10. INSIDE OPPOSITE END VENT DUCT
11. DK AT WASTE STORAGE DOOR
12. FILTER #1 ANISTOR FLANGE
13. FILTER #1 ANISTOR FLANGE
14. TOP OF AUX REACTOR PLUG
15. ELECT SWITCH PANEL STBD SIDE
16. DECK UNDER SWITCH PANEL
17. INSIDE SAMPLE SINK
18. DECK AT SAMPLE SINK



SMEAR RESULTS IN DPM/100 CM ²				BETA in mRAD/hr/100 CM ²			
NO.	RESULTS	N.O.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKG	129	< BKG	17	427		
2	< BKG	1310	< BKG	18	< BKG		
3	< BKG	1411	< BKG				
4	< BKG	1512	< BKG				
5	< BKG	1613	< BKG				
6	< BKG	1714	< BKG				
7	< BKG	1815	< BKG				
8	< BKG	1916	< BKG				

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN μ rem/hr

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

cts cpm Bkg Eff. dis/100 cm²

* ~~427~~ 427 854 42 20.8% 3904 dpm

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0671

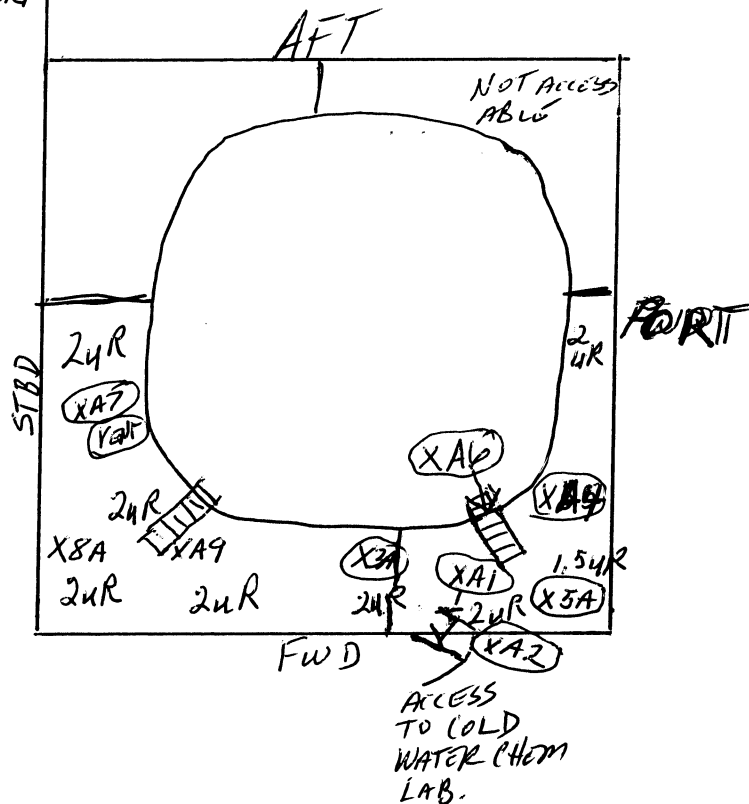
Date <u>4/8/05</u> Time	DOSE RATE	CONTAMINATION	
Surveyor <u>JAMES H. LOVEDAHL</u>	Inst. Type <u>LUDLUM</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>James H. Lovdahl</u>	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>	
Reviewed <u>Robert Rummel</u>	β^- Factor	Eff. <u>10%</u>	
	<u>4uR/HR</u>	Bkg. <u>30 cpm</u>	cpm

AREA "C" DECK LEVEL UNDER UPPER LEVEL OF SECONDARY CONTAINMENT

COMPONENT _____

SWIPES

- A1. DOOR HANDLES TO COLD WATER CHEM LAB PORT
- A2. DECK AT ACCESS DOOR
- A3. HAND RAIL AT DOOR
- A4. REACTOR COOLING VALVE FLANGE PORT
- A5. DECK FWD PORT
- A6. PORT FWD LADDER
- A7. VENT OPENING
- A8. VENT MOTOR
- A9. STBD FWD LADDER



No FRISKING

SMEAR RESULTS <small>IN DPM/100 CM²</small>				B - BETA in mRAD/hr/100 CM²					
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
A1	<BKG	A9	<BKG						
A2	<BKG								
A3	<BKG								
A4	<BKG								
A5	<BKG								
A6	<BKG								
A7	<BKG								
A8	<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

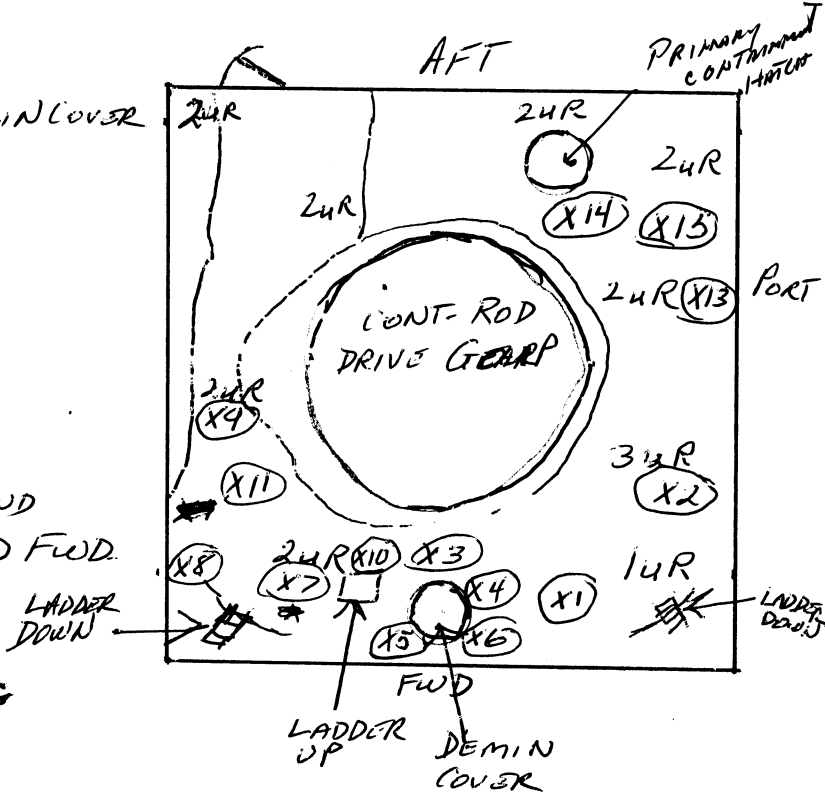
SURVEY NO. NSS-0072

Date <u>4-8-05</u> Time	DOSE RATE	CONTAMINATION	
Surveyor <u>JAMES H. LOVEDAY</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>James H. Loveday</u>	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>	
Reviewed <u>Paul W. Pennington</u>	β Factor	Eff. <u>10%</u>	
	<u>4uR/hr</u>	Bkg. <u>30 cpm</u>	cpm

AREA "B" DECK UPPER LEVEL SECONDARY CONTAINMENT Area

COMPONENT _____

1. FWD PORT DECK AT LADDER
2. FWD PORT DECK UNDER VENT
3. OVDH CHAIN FALL CLAMP HANDLE OVER DEMIN COVER
4. AFT CHAIN ON CHAIN FALL
5. FWD CHAIN ON CHAIN FALL
6. TOP OF DEMIN. COVER
7. FWD VERT LADDER TO A DECK
8. DECK AT STBD LL LADDER FWD.
9. DECK STBD OF CRDC
10. ~~VERT~~ UP FWD LADDER
11. FWD. INLET/OUTLET VALVE FLANGE + GLAND
12. REACTOR SPACE VENT DAMPER STBD FWD.
13. PORT ELIMINATOR VALVE
14. PORT AFT DECK TO LL
15. VENT DUCT OPENING PORT OF CRDC



NO FRISKING

SMEAR RESULTS $\mu\text{NDPM}/100\text{ CM}^2$				BETA in $\text{mRAD}/\text{hr}/100\text{ CM}^2$			
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKG	9	< BKG				
2	< BKG	10	< BKG				
3	< BKG	11	< BKG				
4	< BKG	12	< BKG				
5	< BKG	13	< BKG				
6	< BKG	14	< BKG				
7	< BKG	15	< BKG				
8	< BKG						

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-0073

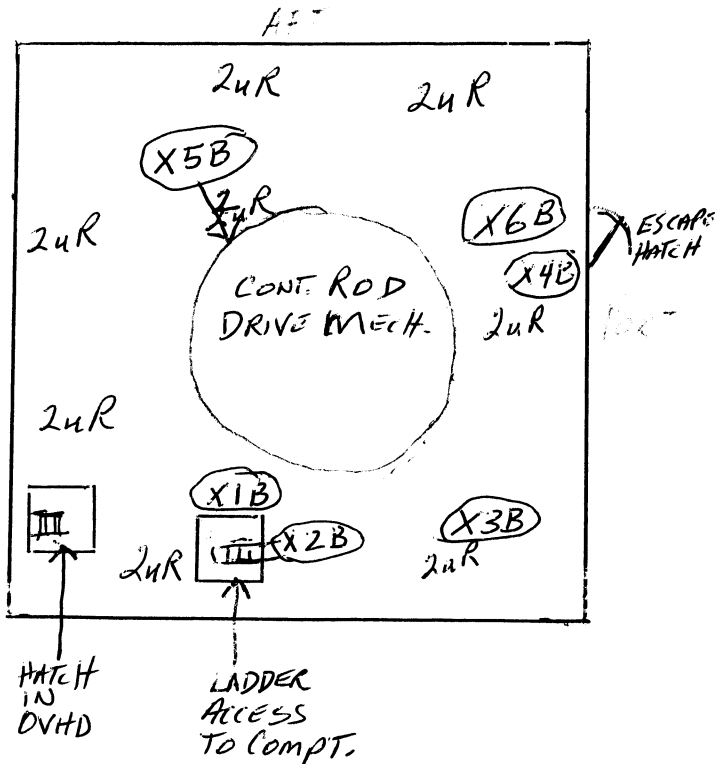
Date <u>4/8/05</u> Time	DOSE RATE	CONTAMINATION	
Surveyor <u>JAMES H. LOVEDAHL</u>	Inst. Type <u>LUDLUM</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>James H. Lovdahl</u>	Serial No. <u>95499</u>	Inst. Sn <u>97416</u>	
Reviewed	β -Factor	Eff. <u>10%</u>	
	<u>4uR/hr</u>	Bkg. <u>30 cpm</u>	cpm

AREA "A" DECK ABOVE SECONDARY CONTAINMENT

COMPONENT _____

SWIPES

- 1B. RAIL ON FWD ~~STBD~~ ^{STBD} Access LADDER
- 2B. DECK AT Access LADDER
- 3B. ESCAPE HATCH HANDLE
- 4B. DECK AT ESCAPE HATCH
- 5B. RING GASKET SEAL ON CRDM
- 6B. VENT DUCK ON ~~STBD~~ ^{STBD} PORT AT HATCH



FRISK < 100 cpm

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

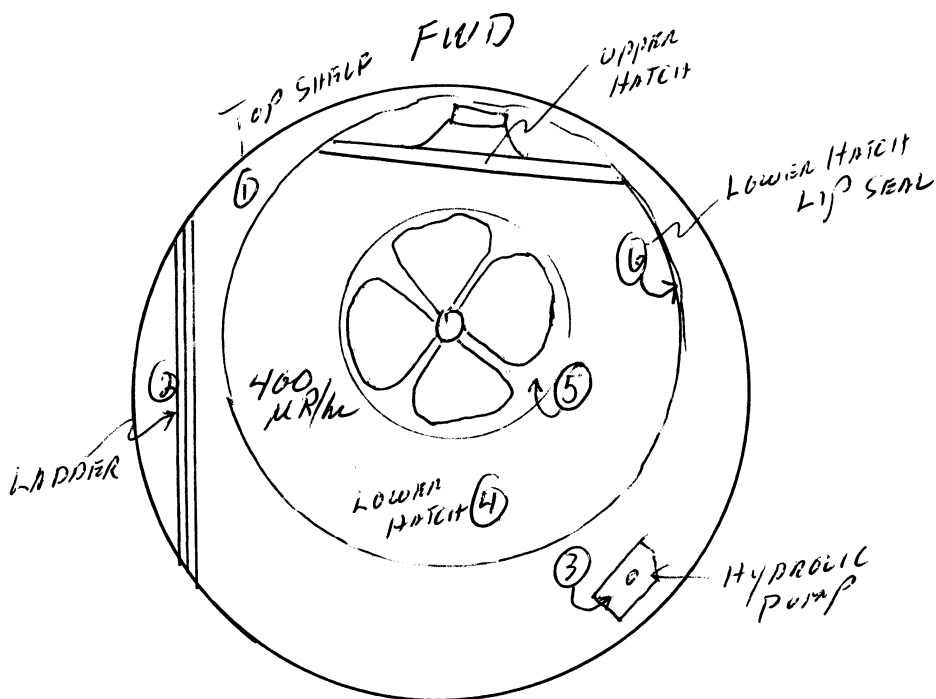
NSS-01

SURVEY NO. NSS-0074

Date <u>4-8-65</u> Time <u>1:00 PM</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>CRADDOCK</u>	Inst. Type <u>LUDLUM MR?</u>	Beta <u>✓</u> Alpha <u> </u>	Beta <u> </u> Alpha <u> </u>
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 μR/hr</u>	Bkg. <u>30</u> cpm	cpm

AREA PRIMARY CONTAINMENT ARE LOCK

COMPONENT _____



SMEAR RESULTS IN DPM/100 CM²		BETA IN MRAD/100 CM²							
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	<u>< BKG</u>								
2	<u>< BKG</u>								
3	<u>< BKG</u>								
4	<u>< BKG</u>								
5	<u>< BKG</u>								
6	<u>< BKG</u>								

RA - RADIATION AREA

CA - CONTAMINATION AREA

ALL DOSE RATES IN μ R/hr

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

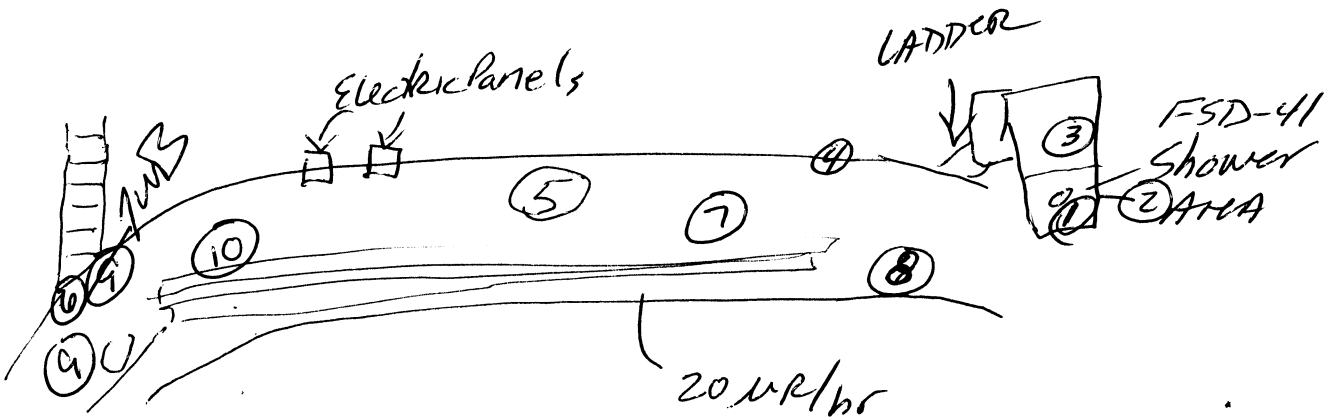
SURVEY NO NSS-0075

Date <u>4-8-05</u> Time <u>1300</u>	DOSE RATE		CONTAMINATION	
Surveyor <u>Scott/Bowen</u>	Inst. Type <u>Ludlum 19</u>	Beta _____	Alpha _____	Beta _____ Alpha _____
Signature <u>Scott</u>	Serial No. <u>42972</u>	Inst. Sn		
Reviewed <u>Robert Cunningham</u>	Factor <u>BKG-100</u>	Eff. <u>NA</u>		
	<u>2 mR/h</u>	Bkg. _____	cpm	cpm

AREA Secondary Cont. AFT - Mezzanine & lower area
(mt level)

COMPONENT _____

General Area dose rate 3-5 mR/hr



SMEAR RESULTS $\mu\text{Ci}/100\text{ CM}^2$				β - BETA in mRAD/hr/100 CM ²					
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	<BKG	9	<RKG						
2	<BKG	10	<BKG						
3	<BKG								
4	<BKG								
5	<BKG								
6	<BKG								
7	<BKG								
8	<BKG								

RA - RADIATION AREA

CA - CONTAMINATION AREA

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

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA

DURATEC
28991
TELETRACTOR

N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

BOWEN

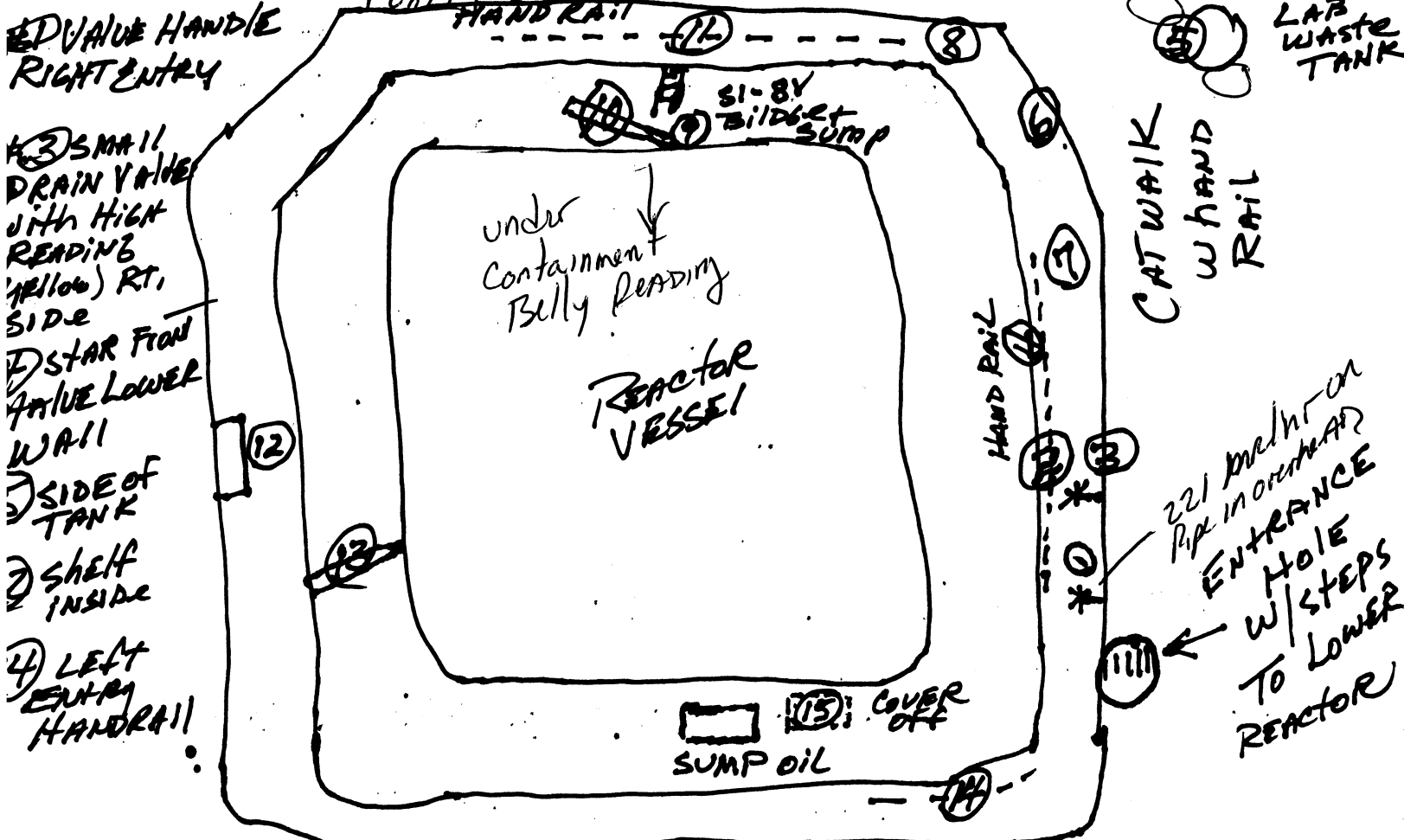
SURVEY NO. NSS-0076

Date 4-8-05	Time 1400	DOSE RATE		CONTAMINATION		
Surveyor Scott Bowen	Inst. Type Ludlum 19	Beta <input checked="" type="checkbox"/>	Alpha <input type="checkbox"/>	Beta <input type="checkbox"/>	Alpha <input type="checkbox"/>	
Signature [Signature]	Serial No. 42972	Inst. Sn				
Reviewed [Signature]	β^- Factor	Eff.				
	BKG \approx 1000	Bkg.	cpm	cpm		

AREA LOWER REACTOR Secondary Containment

COMPONENT SURVEY COUNTER CLOCKWISE

Air hand. removed demin. tank



SMEAR RESULTS $\mu\text{BPM}/100\text{CM}^2$				B = BETA in $\text{mRAD}/\text{hr}/100\text{CM}^2$					
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKG	9*	< BKG						
2	< BKG	10	< BKG						
3	< BKG	11*	< BKG						
4	< BKG	12	< BKG						
5	< BKG	13	< BKG						
6	< BKG	14	< BKG						
7	< BKG	15	< BKG						
8	< BKG								

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

RCA - RADIATION CONTROL AREA AA - AIRBORNE AREA

* 10 min. count for Alpha

N.S. SAVANNAH
RADIOLOGICAL SURVEY

ALSO USED
DURATEC
2899
TELETECTOR
SURVEY NO. NSS-0076

NSS-01

SURVEY NO. NSS-0076

Date 4-805 Time 1400	DOSE RATE	CONTAMINATION		
Surveyor SCOTT-BOWDEN	Inst. Type Ludlum 19	Beta <input checked="" type="checkbox"/>	Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <i>Scott</i>	Serial No. 42972	Inst. Sn		
Reviewed <i>Robert G. ...</i>	B -Factor	Eff.		
	3RG-2100	Bkg.	cpm	cpm

AREA SURVEY NOTES

COMPONENT LOWER CONTAINMENT AREA

221 ^{DR} DRAIN VALVE RIGHT ENTRY MARKED
 HEAD LEVEL - 1.4 1.6 MR/hr
 1-3 TANKS 400 - 600 ^{MR/hr} (LAB WASTE TANKS)
 STAR FRONT HALF - 400 - 500 MR/hr (Gen. Area)
 LAB WASTE TANK - 600 ^{MR/hr} (#2 tank)
 400 MR/hr STAR-FORWARD primary on
 Relief Valve
 FORWARD READING UNDER ^{Containment Vessel} RISER 130-150 mV
 PORT AFT GENERATOR 60-80 AFT Gen. Area - 60 MR/hr
 PENETRATION ^{generat Area} #56 (wall on Port side) - 80 MR/hr
 PORT SIDE Gen. Area - 60-80 MR/hr

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

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

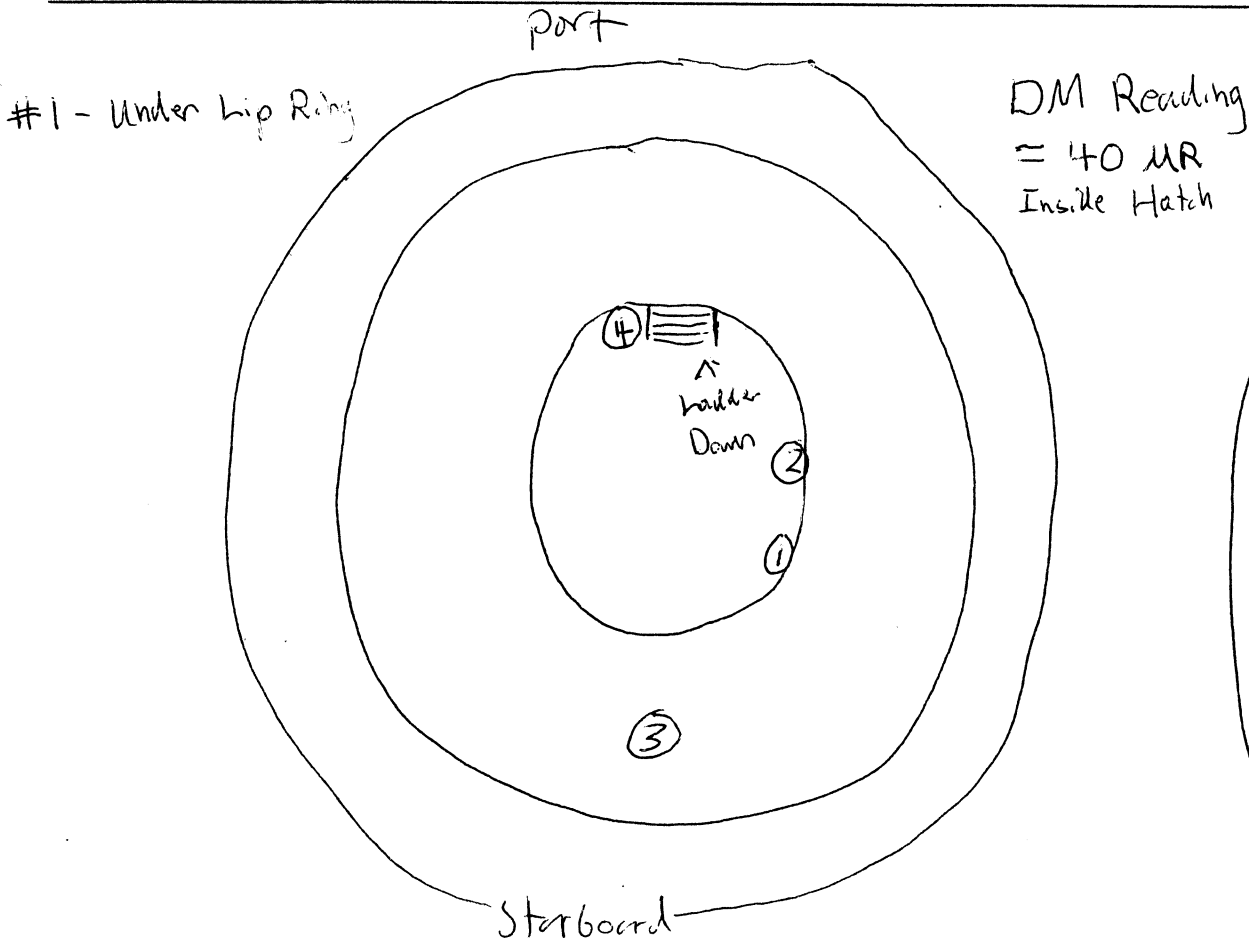
N.S. SAVANNAH
RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0077

Date <u>4/1/05</u> Time <u>8:45</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>Ben Scott</u>	Inst. Type <u> Ludlum 1A</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>Ben Scott</u>	Serial No. <u>95499</u>	Inst. Sn <u>37416</u>	
Reviewed <u>Robert Pennell</u>	β^- Factor <input checked="" type="checkbox"/>	Eff. <u>10%</u>	
		Bkg. <u>30</u> cpm	cpm

AREA Primary Cont. Hatch (Lower) - Upper hatch
to Primary containment - lower hatch still sealed at this point
 COMPONENT _____



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

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

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RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. N/SS-0078

Date <u>4/11/05</u> Time	DOSE RATE		CONTAMINATION	
Surveyor <u>J. Bowen</u>	Inst. Type	Beta ___ Alpha ___	Beta ___ Alpha ___	
Signature <u>[Signature]</u>	Serial No.	Inst. Sn		
Reviewed	β^- Factor	Eff.		
		Bkg. cpm		cpm

AREA PRIMARY CONTAINMENT 1ST LEVEL (Preliminary)

COMPONENT _____

Upon 1st Entry - General Location
Smears - no map - Perform
Rough Assessment - Detail survey
will follow.
JWB

#11 250 dpm
#15 96 dpm - < 1000 dpm/100 cm²

SMEAR RESULTS $\mu\text{N DPM}/100\text{ CM}^2$				β^- - BETA in mRAD/hr/100 CM ²					
NO.	RESULTS	N.O.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKGD	9	< BKG						
2	< BKGD	10	< BKG						
3	< BKGD	11	47 cts						
4	< BKG	12	< BKG						
5	< BKG	13	< BKG						
6	< BKG	14	< BKG						
7	< BKG	15	31 cts						
8	< BKG								

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-6079

Date <u>4-14-05</u> Time <u>9 AM</u>	DOSE RATE		CONTAMINATION	
Surveyor <u>R. BT PENNELL</u>	Inst. Type <u>N/A</u>	Beta _____	Alpha _____	Beta _____ Alpha _____
Signature <u>J. L. ...</u>	Serial No.	Inst. Sn <u>(See Below)</u>		
Reviewed <u>1-4-05</u>	β -Factor	Eff.		
		Bkg.	cpm	cpm

AREA PRIMARY CONTAMINATION 1st LEVEL FORWARD

COMPONENT RR SIMILAR SUSPECT AREAS FROM SURVEY NUMBER

Counter # 1 102001
Beta 35.2%
2 160019
Beta 20.8%

1X - Top of Pressurizer

- 1 LARGE VALUES OFF OF PRESS. LINE TO REACTOR.
- 2 MEDIUM SIZE VALUES TO RT OF PRESSURIZER
- 3 CONTAMINATED VALUING ON FLOOR
- 4 SS LINE, 9 VALUES TO RT OF PRESS.
- 5 FLOOR
- 6 PRESSURIZER LINES HEAT OF PRESS.

- 1B - PRESSURIZER AT PIPE OUT OF TOP
- 2B - " PIPE 2 RT OF TRPS.
- 3B FLOOR RT OF CONTAMINATED AREA
- 4B " LT OF " "
- 5B " LT OF PRESSURIZER

Sample #	Counter	gross counts	gross cpm	BKG cpm	Net cpm	dpm / 100 cm ²
1X	2	52	104	42	62	298
3	1	50	100	37	63	250
4	2	68	136	42	94	452
5	1	171	342	37	305	1210

Smear # 5
1-hour Count
 α activity =
2.8 dpm/100cm²
Smear # 4
< mda

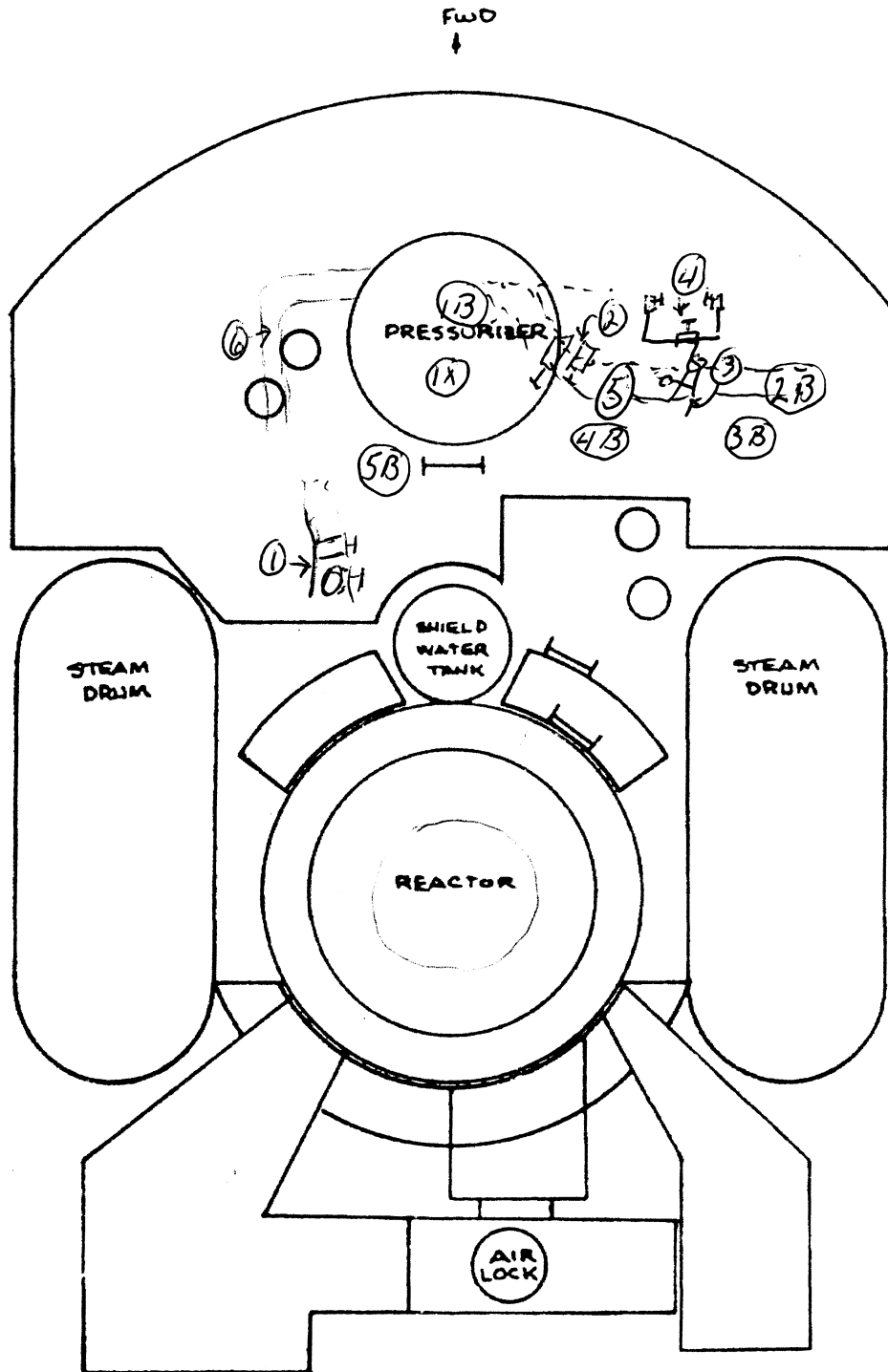
4-14 Smear # 5 (Floor) $\alpha = 77, \beta = 23067$ Smear # 4 (ss lines) $\alpha = 19, \beta = 6701$

SMEAR RESULTS IN DPM/100 CM ²				-B = BETA in mRAD/hr/100 CM ²			
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1X	52 (2*)	1A	< BKG	9A	< BKG	1B	< BKG
1	< BKG	2A	< BKG	10A	< BKG	2B	< BKG
2	< BKG	3A	< BKG			3B	< BKG
3	50 (1)	4A	< BKG			4B	< BKG
4	68 (2)	5A	< BKG			5B	< BKG
5	171 (1)	6A	< BKG **				
6	< BKG	7A	< BKG				
		8A	< BKG				

RA - RADIATION AREA CA - CONTAMINATION AREA ALL DOSE RATES IN μ rem/hr
RCA - RADIATION CONTROL AREA AA - AIRBORNE AREA ** - see U-tube smear data
* Instrument (Counter) # 1

Inst. Type:	Ser. No.:
Probe:	Cal. Date:

CONTAINMENT VESSEL
1st LEVEL



CONTAINMENT VESSEL

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RADIOLOGICAL SURVEY

NSS-01

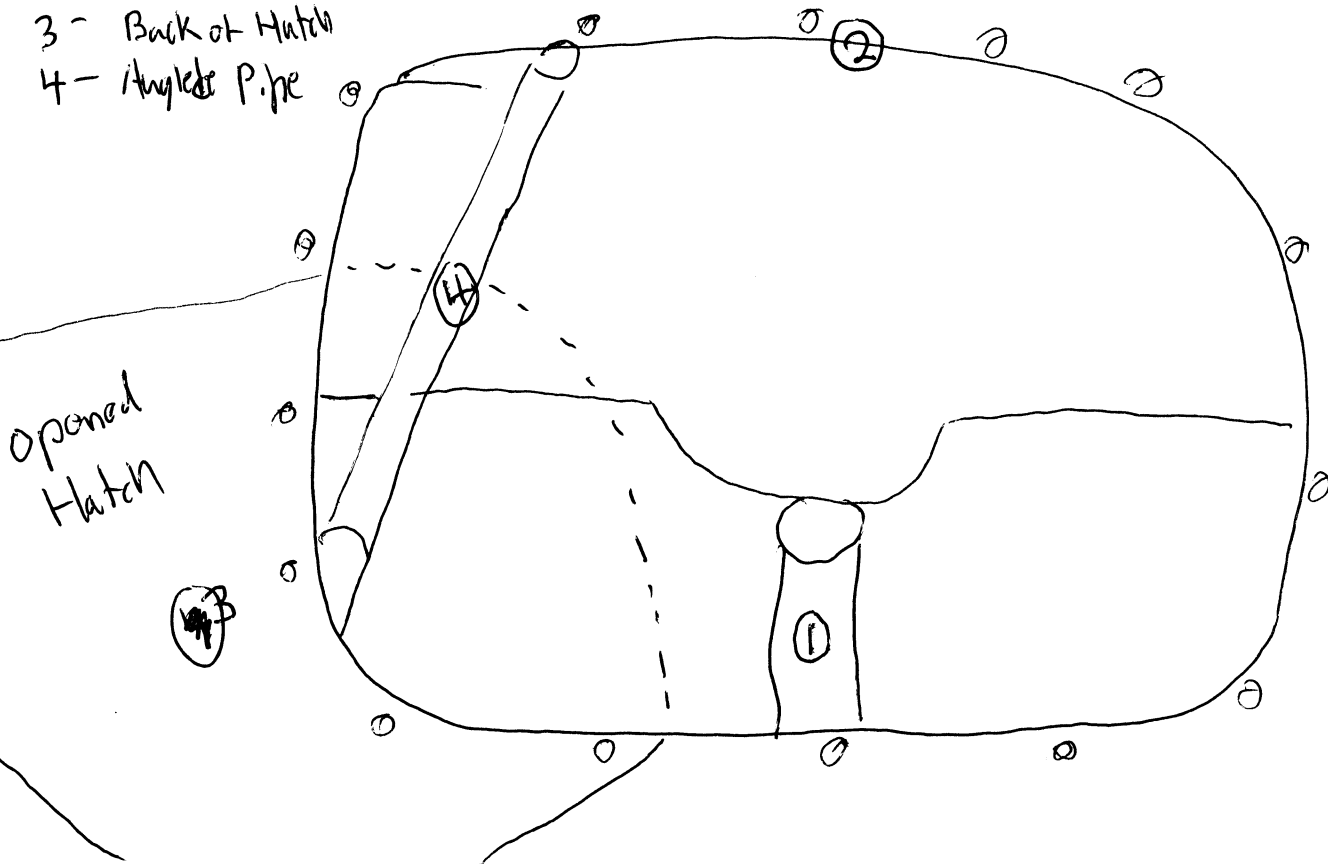
SURVEY NO. NSS-0090

Date <u>04/10/05</u> Time <u>2:00</u>	DOSE RATE		CONTAMINATION	
Surveyor <u>Ben Scott</u>	Inst. Type	Beta _____	Alpha _____	Beta _____ Alpha _____
Signature <u>Ben Scott</u>	Serial No.	Inst. Sn		
Reviewed	β Factor <u>N/A</u>	Eff. <u>N/A</u>		
		Bkg. _____	cpm	cpm

AREA Steam Cond. Hatch (Engine Room)

COMPONENT _____

- 1 - Cross Pipe
- 2 - Hatch wall
- 3 - Back of Hatch
- 4 - Angle Pipe



SMEAR RESULTS IN DPM/100 CM²				B - BETA in mRAD/hr/100 CM ²					
NO.	RESULTS	N.O.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKG								
2	< BKG								
3	< BKG								
4	< 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-0081

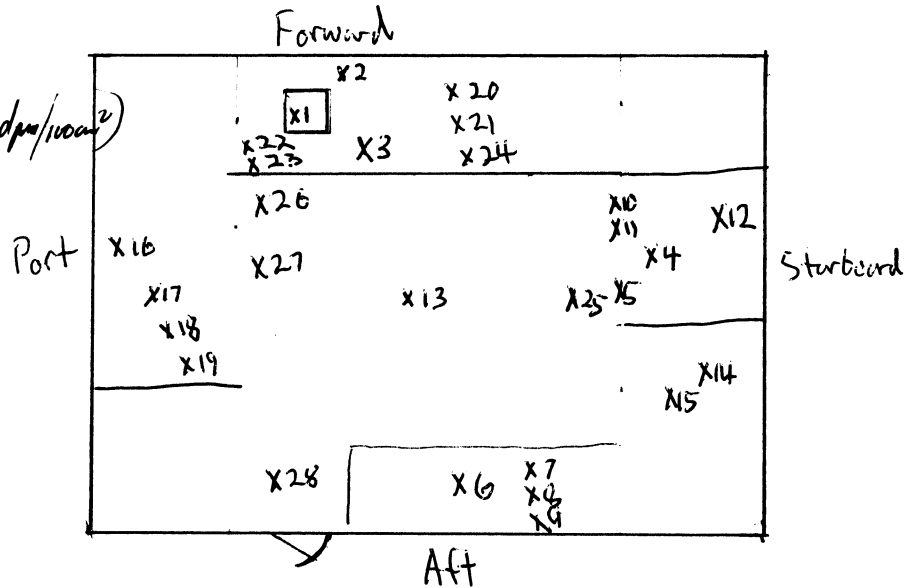
Date <u>4/11/05</u> Time <u>1100 AM</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>James Lovelace</u>	Inst. Type <u>LUCLUM</u>	Beta <input checked="" type="checkbox"/> Alpha <input type="checkbox"/>	Beta <input type="checkbox"/> Alpha <input type="checkbox"/>
Signature <u>James Lovelace</u>	Serial No. <u>95469</u>	Inst. Sn <u>97416</u>	
Reviewed <u>Robert Kinnoch</u>	β Factor	Eff. <u>10%</u>	
	<u>3.5</u> <u>3uR/h</u>	Bkg. <u>30</u> cpm	cpm

AREA "D" DECK HOT CHEM LAB AT CONTROL ROOM

COMPONENT Seal # 7603

SWIPES

- #1 Sink
- #2 Inside collection tank (waste) (369 dpm/100cm²)
- #3 Top of countertop
- #4 Inside Hood
- #5 Outside Hood Door
- #6 Aft counter top
- #7 1st shelf inside Aft Counter top
- #8 2nd shelf inside Aft counter top
- #9 Bottom shelf "
- #10 Top shelf under hood
- #11 Bottom "
- #12 Hood Vent
- #13 Overhead Vent
- #14 Shelf Aft of Hood (top)
- #15 " (Bottom)
- #16 Port Top shelf
- #17 Port Top of cabinet
- #18 Middle shelf Port side



- #19 Bottom shelf Port
- #20 Top shelf Forward
- #21 Middle shelf Forward
- #22 Drain under sample sink
- #23 Bottom shelf under sink (346 dpm/100 cm²)
- #24 Bottom shelf Forward
- #25 Floor in front of Hood
- #26 Floor in front of Sample Sink
- #27 Deck Drain
- #28 Floor in front of Door
- #29 Light Switch
- #30 Inside Door knob

DM Readings < BKG

SMEAR RESULTS IN DPM/100 CM ² IN CP.5m B = BETA RAD/hr/100 CM ²									
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1	< BKG	9	< BKG	17	< BKG	25	< BKG		
2	65 cts	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	30	< BKG		
7	< BKG	15	< BKG	23	57 cts				
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

Smear #	ct	cpm	Bkgd	Net cts	dpm/100 cm ²
2	65	130	37	93	369
23	57	114	47	72	241

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RADIOLOGICAL SURVEY

NSS-01

SURVEY NO. NSS-0092

Date <u>4-12-05</u> Time <u>1000</u>	DOSE RATE	CONTAMINATION	
Surveyor <u>BOWEN SCOTT</u>	Inst. Type <u>TELE</u>	Beta _____ Alpha _____	Beta _____ Alpha _____
Signature <u>B. A. Scott</u>	Serial No. <u>Detector</u>	Inst. Sn	
Reviewed <u>R. W. P. P. P.</u>	β^- Factor <u>28991</u>	Eff.	
		Bkg. _____ cpm	_____ cpm

AREA PRIMARY
COMPONENT CONTAINMENT VESSEL 3RD LEVEL

SEE DRAWING.

* SMEARS FROM Containment - 1st LVL
AFT. DATA MOVED TO APPROPRIATE SURVEY

SMEAR RESULTS $\mu\text{N DPM}/100\text{ CM}^2$				B - BETA in mRAD/hr/100 CM²			
NO.	RESULTS	NO.	RESULTS	NO.	RESULTS	NO.	RESULTS
1A	< BKG	9A	< BKG *	6	< BKG		
2A	< BKG	10A	< BKG	7	< BKG		
3A	< BKG			8	< BKG		
4A	< BKG	1	< BKG	9	< BKG		
5A	< BKG	2	< BKG	10	< BKG		
6A	< BKG	3	< BKG				
7A	< BKG *	4	< BKG				
8A	< BKG	5	< BKG				

RA - RADIATION AREA

CA - CONTAMINATION AREA

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

RCA - RADIATION CONTROL AREA

AA - AIRBORNE AREA