Indiana Michigan
Power Company
500 Circle Drive
Buchanan, MI 49107 1373

AEP
INDIANA
MICHIGAN
POWER

April 30, 2004 AEP:NRC:4049-03

Docket No: 50-315

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop O-P1-17
Washington, DC 20555-0001

Donald C. Cook Nuclear Plant, Unit 1
DEPARTMENT OF TRANSPORTATION EXEMPTION REQUEST
ADDITIONAL INFORMATION

Reference: Letter from John A. Zwolinski, Indiana Michigan Power Company (I&M) to Nuclear Regulatory Commission (NRC) Document Control Desk, "Donald C. Cook Nuclear Plant, Unit 1, Department of Transportation Exemption Request," AEP:NRC:4049, dated January 19, 2004.

The attached response to the Department of Transportation's (DOT's) request for additional information regarding I&M's exemption request from the requirements of 49 CFR 173.403 and 49 CFR 173.427(b)(1) is being forwarded for the NRC's information.

This letter contains no new commitments to the NRC. Should you have any questions, please contact Mr. Michael K. Scarpello, Supervisor of Nuclear Licensing, at (269) 697-5020.

Sincerely,

John A. Zwolinski
Director of Design Engineering and Regulatory Affairs

Attachment: Department of Transportation Exemption Request, Request for Additional Information

A001

c: J. L. Caldwell, NRC Region III
K. D. Curry, Ft. Wayne AEP, w/o attachment
J. T. King, MPSC, w/o attachment
J. G. Lamb, NRC Washington, DC
MDEQ – WHMD/HWRPS, w/o attachment
NRC Resident Inspector

Attachment to AEP:NRC:4049-03

Department of Transportation
Exemption Request
Request for Additional Information

Indiana Michigan
Power Company
500 Circle Drive
Buchanan, MI 49107 1373

INDIANA
MICHIGAN
POWER

April 30, 2004

Mr. Delmer F. Billings
Director, Exemptions and Approvals Hazardous Materials Safety
U. S. Department of Transportation
400 7th St., S.W.
Washington, DC 20590-0001

Donald C. Cook Nuclear Plant Unit 1
EXEMPTION REQUEST FROM THE SURFACE CONTAMINATED OBJECT DEMONSTRATION REQUIREMENTS OF 49 CFR 173.403 AND THE PACKAGING REQUIREMENTS OF 49 CFR 173.427(b)(1) FOR THE SHIPMENT OF FOUR STEAM GENERATOR LOWER ASSEMBLIES FROM DONALD C. COOK NUCLEAR PLANT
REQUEST FOR ADDITIONAL INFORMATION

Dear Mr. Billings:

By letter dated January 19, 2004, Indiana Michigan Power Company (I&M) requested exemption from the subject regulations for the shipment of four steam generator lower assemblies (SGLAs) from the Donald C. Cook Nuclear Plant (CNP). Subsequently, during an April 20, 2004, telephone conference, Department of Transportation (DOT) personnel requested additional information on the following topics.

SGLA Contamination Levels Prior to Coating Application

Attachment 1 to this letter provides the available records of contamination for the Cook Plant during the steam generator replacement project. The records included are from September 1999, before the insulation was removed, until February 2000, when the steam generators were removed. The records include Radiological Area Status Sheets and Job Coverage Log Sheets. The Job Coverage Log Sheets include radiological survey data taken during the course of the work. Starting on about September 25, 1999, through January 1, 2000, the Job Coverage Log Sheets indicate that scaffolding is being erected and the insulation is being removed. The majority of the survey smears during this period are less than 1000 disintegrations per minute per 100 square centimeters (dpm/100 cm^2). Most of the remaining survey smears during this period

are less than 15,000 dpm/100 cm^2 with a small number greater than this value. The ones that are greater are typically associated with the insulation or the reactor coolant system piping, not the SGLAs. One smear, taken on November 19, 1999, was 25,000 dpm/100 cm^2 and could be associated with the loop 4 steam generator. A survey of the approximately same area taken on January 1, 2000, showed that the contamination was reduced to 2,500 dpm/100 cm^2. The contamination surveys are typically beta/gamma surveys. Alpha surveys are marked on the survey sheets. The CNP policy is to take alpha surveys when the contamination is greater than 50,000 dpm/100 cm^2, or when there is a high potential for alpha contamination.

In addition, the radiation work permit for removing the insulation required that the contamination levels on the generators be less than 10,000 dpm/100 cm^2 before encapsulating.

Present SGLA Contamination Levels

A large area survey of the four steam generators in the steam generator storage building on April 21, 2004 showed that there was less than 100 counts per minute (cpm) on each Masslinn cloth used to obtain large area smears. Each of the 16 Masslinn cloth surveys was measured on an RM-14 radiation monitor. The typical efficiency for the radiation detector for the survey is 10%. Thus, 100 cpm is equivalent to 1000 dpm/100 cm^2.

Coating Material Properties

There are three materials that were available and may have been used to coat the SGLAs during their removal from the CNP Unit 1 containment. The materials, A-B-C Asbestos Binding Compound, Lag-Kote, and Fiberset PM, were provided by Fiberlock Technologies, Incorporated of Andover, Massachusetts, and they are used for asbestos control. A-B-C Asbestos Binding Compound and Lag-Kote are formulated to encapsulate asbestos containing building materials while Fiberset PM is formulated as a sealant to "lockdown" residual fibers following asbestos removal. All of the products exhibit excellent film hardness, film flexibility, impact resistance, water resistance, and bonding strength to steel. Copies of the manufacturer's literature for each product are provided in Attachment 2 to this letter.

Exemption From Surface Contaminated Object (SCO) Requirements

After a review of the SGLA contamination levels, I&M requests an exemption from the SCO-II limits for inaccessible areas as defined in 49 CFR 173.403. Although the average fixed plus non-fixed contamination levels on the inside of the heat exchanger tubes are much less than the limits, some areas may exceed the limits. Thus, as recommended in the DOT/Nuclear Regulatory Commission guidance provided in Generic Letter 96-07, I&M requests an exemption from the SCO-II limits defined in 49 CFR 173.403, and requests that DOT approve the classification of the SGLAs as SCO material.

If you have any questions concerning this information, please contact Mr. Michael K. Scarpello, Supervisor of Nuclear Licensing, at (269) 697-5020.

Sincerely,

John A. Zwolinski
Director of Design Engineering and Regulatory Affairs

Attachments: 1. Donald C. Cook Nuclear Plant Contamination Level Records
2. Coating Material Manufacturer's Data Sheets

Attachment 1

Donald C. Cook Nuclear Plant
Contamination Level Records

RADIOLOGICAL AREA STATUS SHEET 1/6

AREA DESCRIPTION 598'-9" LEVEL UNIT NO. 1 | **MAP NO.** 143

AREA CLASSIFICATION
- ☐ RADIATION
- ■ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ■ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS
MDA β = 35
MDA α = 7.7
9956006 L06*

METER TYPE/NO.
RSO-040
TN-2

UNLESS NOTED: * DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100 CM²

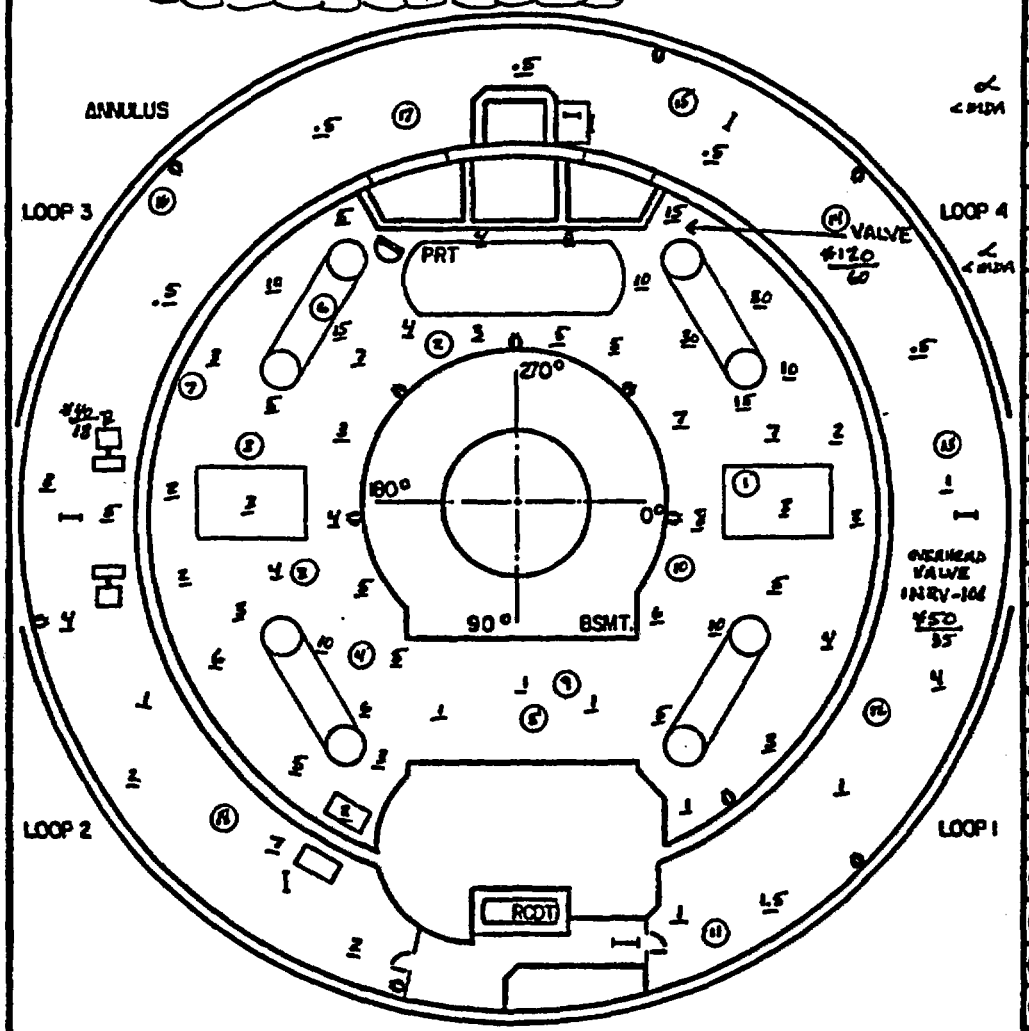
REASON FOR SURVEY
ROUTINE

RWP USED: 991106-01

SURVEYED BY K. GRUZINSKI | TIME 0130 | DATE 9-16-99
REVIEWED BY [illegible] | DATE 9/17/99

MODE 6 SHUTDOWN TIME / DATE 9-8-97 @ 2310

AVERAGE AREA DOSE RATE 4mr/hr.
HIGHEST C/A DOSE RATE 30mr/hr



CONTAMINATION/REMARKS

1	FLOOR	1623
2	FLOOR	2623
3	FLOOR	2566
4	FLOOR	2290
5	FLOOR	1749
6	#3 LOOP	1048
7	ELECT. BOX	289
8	BEAM	8290
9	SCAFFOLD	163
10	WELD BOX	3209
11	FLOOR	163
12		94
13		266
14		174
15		312
16		703
17		186
18	FLOOR	255
19		
20		
21		
22		
23		
24		
25	N/A	
26		
27		
28		
29		
30		

RADIOLOGICAL AREA STATUS SHEET

AREA DESCRIPTION 598'-9" Level Unit 1 STEAM GENERATOR LOOPS #2 AND #3

MAP NO. 14

AREA CLASSIFICATION
- ☐ RADIATION
- ■ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ■ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS Survey# 99 36 007
MDA α = 5.2

METER TYPE/N
RSO - 391
RM20 - 1017
TN - 2

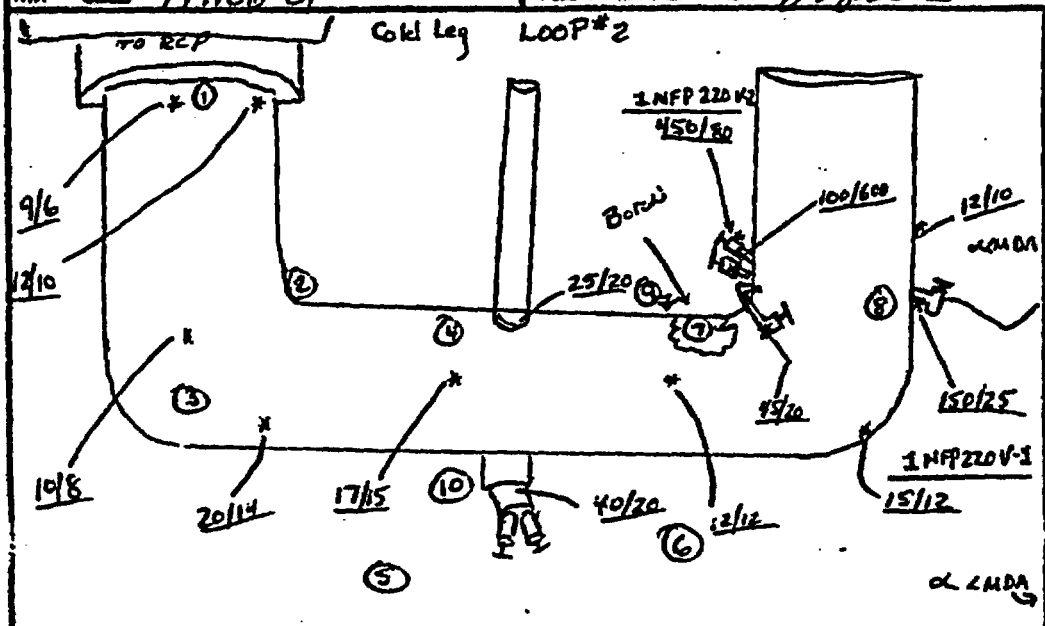
UNLESS NOTED: * DENOTES CONTACT /30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/

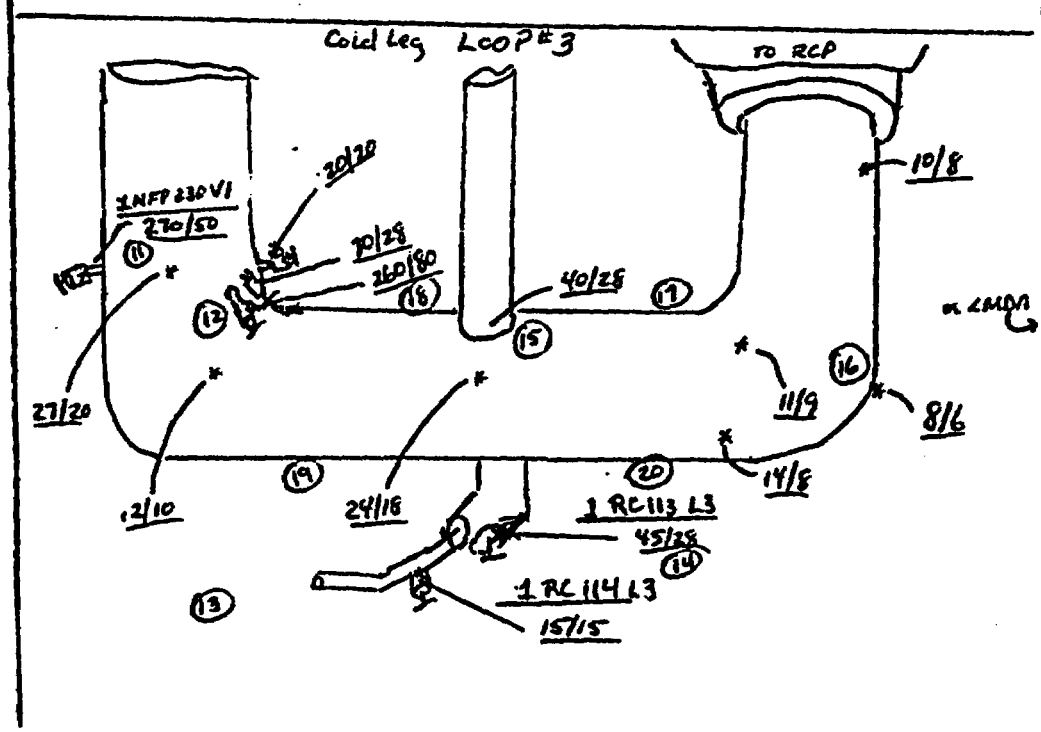
REASON FOR SURVEY
Pre-shielding of steam generator Cold Leg Loop Piping

RWP USED: 991106-01

SURVEYED BY J. Belanger **TIME** 09:30 **DATE** 9-1[illegible]

REVIEWED BY [illegible] **DATE** 9-1[illegible]





	CONTAMINATION / REMA	
1	40,000	/ INSUL
2	70,000	/ INSUL
3	60,000	/ INSUL
4	50,000	/ INSUL
5	10,000	/ FLOOR
6	300,000	/ FLOOR
7	120,000	/ Boron on IN
8	8,000	/ INSU
9	250,000	/ Boron on IN
10	50,000	/ FLOOR
11	5000	/ INSUL
12	40,000	/ INSULATI
13	15,000	/ FLOOR
14	40,000	/ FLOOI
15	80,000	/ INSUL
16	20,000	/ INSU
17	90,000	/ INSU
18	20,000	/ INSU
19	12,000	/ FLOO
20	16,000	/ FLOO
21		/
22		/
23		/
24		/
25		/
26		/
27		/
28		/
29		/

RADIOLOGICAL AREA STATUS SHEET /9

AREA DESCRIPTION #4 INTERMEDIATE LOOP U/1 STEAM GENERATOR LOOP #4

MAP NO.

AREA CLASSIFICATION
- ☐ RADIATION
- ■ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ■ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS UP-DATE SURVEY.
L MDA = 5.2 DPM

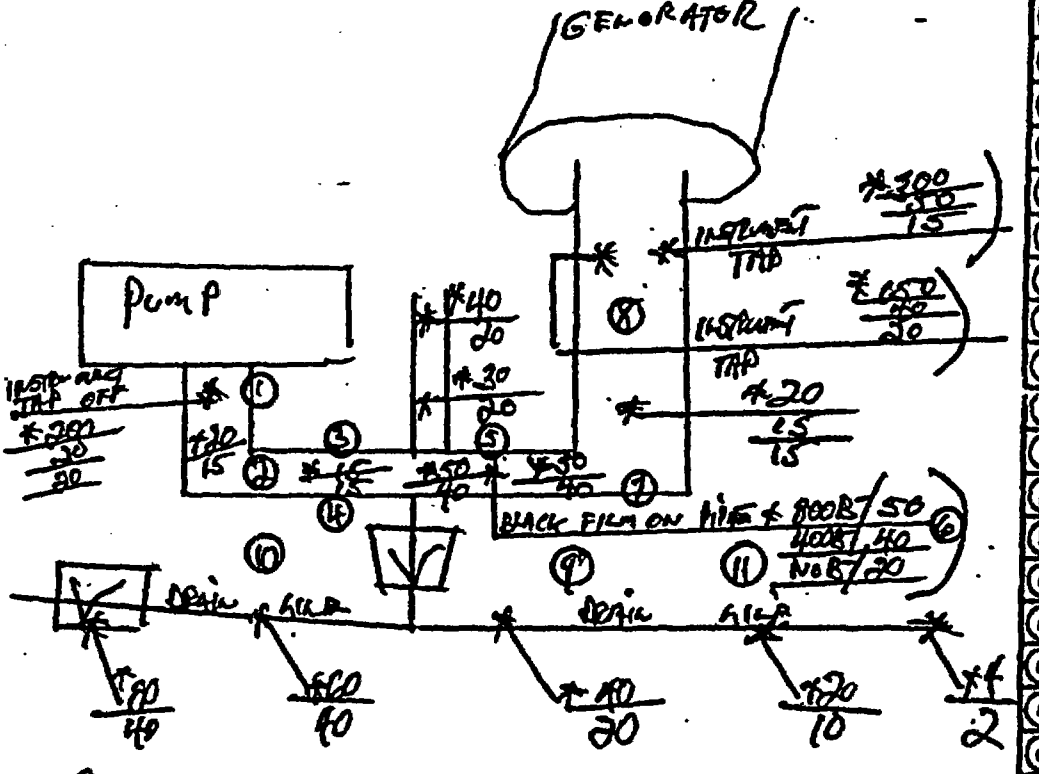
METER TYPE
β-γ RM20 #231-8
L TN#2 - 9/20
γ RS050/#381/9

REASON FOR SURVEY
9956008 NBR 20G/SHEET
PRE JOB: INSULATION REMOVAL
RWP USED: 991106

UNLESS NOTED: * DENOTES CONTACT /30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM /

SURVEYED BY BRADY | TIME 1100 | DATE 9/12/9
REVIEWED BY [illegible] | DATE 9/25

STEAM GENERATOR #4 / INTERMEDIATE LOOP #4
UNIT #1 CONTAINMENT 5981 ELEVATION



CONTAMINATION / REMA

1	20,000 β / <MDA α / ON
2	30,000 β / <MDA
3	40,000 / <MDA
4	40,000 β /
5	250,000 β /
6	40 mR/HR /
7	30,000 /
8	40,000 / <MDA / 10'
9	5000 / FLO
10	2000 / FLE
11	1000 / FLE
12	/
13	/
14	/
15	/
16	/
17	/
18	/
19	/
20	/
21	/
22	/
23	/
24	/
25	/
26	/
27	/
28	/
29	/
30	/
31	/
32	/
33	/
34	/
35	/
36	/

#1 = CONTACT
#2 = @ 30 CM
#3 = @ 3'

(#= BETA / γ CONTACT / γ @ 30 CM)

NON-HOT PARTICLES WERE DETECTED DURING SURVEY

PRE-DECON INFORMATION / BLACK FILM ON LOOP PIPING & DRAIN PIPING (GROUND LEVEL) IS FROM ABOVE RPT PIPING / LEAK DURING PLANT RUN. FILM: 250,000 DPM UP TO 40 mR/HR/100 CM², NON FILM AREAS / BENCH ARE NOT A CONCERN (NO DROP INTERACTION)

RADIOLOGICAL AREA STATUS SHEET 26

AREA DESCRIPTION #INTERMEDIATE LOOP #1 U/1 STEAM GENERATOR LOOP #1

MAP NO.

AREA CLASSIFICATION
- ☐ RADIATION
- ■ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ■ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS UP DATE SURVEY
α mDA = 5.2 DPM

UNLESS NOTED: * DENOTES CONTACT / 30 CM
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/

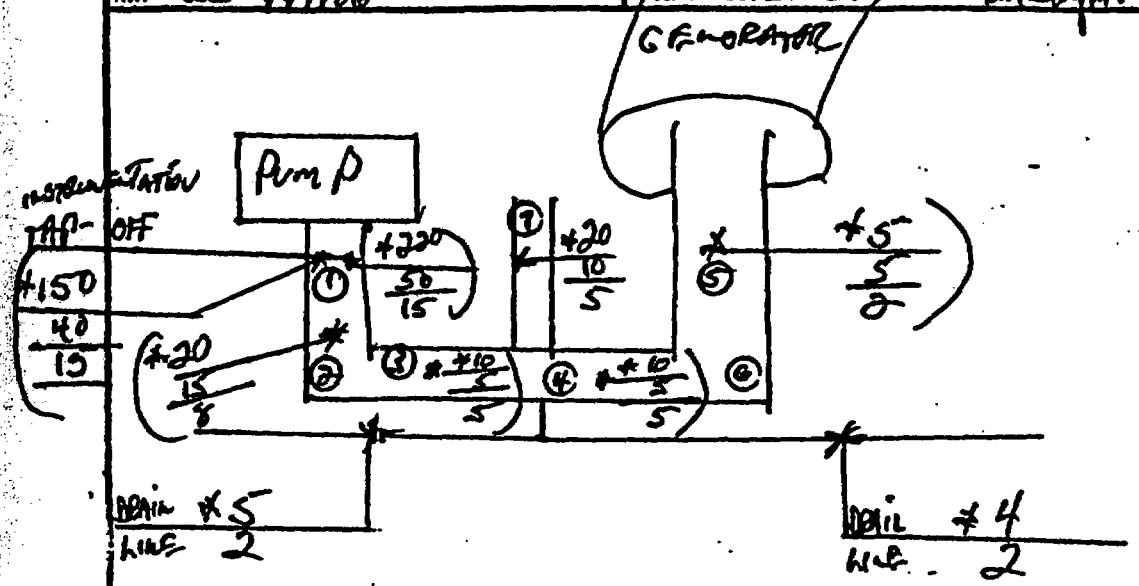
METER TYPE/N
S-9 RM20 #231 · 2/29/
LTM #2 9/30/2
γ RAD 50/8 9/1/

REASON FOR SURVEY UPDATE/PRE JOB 9956009 NBR/LOG SHEET, INSULATION REMOVAL

RWP USED: 991106

SURVEYED BY BRADY | TIME 1100 | DATE 9/17/9

REVIEWED BY [illegible] | DATE 9/25/



CONTAMINATION/REMA

1	20,000 α/100 cm² / <mDA α/100 cm²
2	40,000 /
3	20,000 α / <mDA α /
4	30,000 α /
5	20,000 α / <mDA α /
6	40,000 α /
7	20,000 α/100 cm² / <mDA α/100 cm²
8	/
9	/
10	/
11	/
12	/
13	/
14	/
15	/
16	/
17	/
18	/
19	/
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21	/
22	/
23	/
24	/
25	/
26	/
27	/
28	/
29	/
30	/
31	/

STEAM GENERATOR #1 / INTERMEDIATE LOOP #1

UNIT #1 / CONTAINMENT / 5'-98' ELEVATION

#1 = CONTACT
#2 = @ 30 cm
#3 = @ 3'

98

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99SG 0096

RWP#: 991106-01 TECHNICIAN: Christian Adams Date/Time: 9/25/99 1200

DESCRIPTION OF WORK COVERED:
Movement, erecting of scaffolding by Bechtel

LOCATION:
U/1 Lower Containment

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): 3-12

CONTACT DOSE RATE(S): 35

INST. TYPE: Bicron RSO-50E INST #: RSO-352

G/A SMEARABLE CONTAMINATION: < 1000 *

EQUIP. EXT. CONTAMINATION: N/A

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: RM-20 INST #: RM20-231

WORK AREA

☐ EASILY ACCESSABLE ☒ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA
☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: Much scaffold now in place. Climbing via ladders and traversing scaffold decks are the primary means of getting around.

POSTING

☒ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA
☐ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.
☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA
☒ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIR SAMPLE

A/S #: N/A ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #:

RESULTS IN MICRO ci/cc AND DAC'S

RESP. WORN? ☐ Y ☐ N
HEPA USED? ☐ Y ☐ N

P.C.'S

DRESS CODE USED
M A, B, C, D1
D2, E OR F

ADDITIONAL ITEMS:

COMMENTS / MAP SPACE

* Only walls where very loose residue from previous leak were smeared.

TECHNICIAN Christian Adams SUPERVISOR [signature]

91

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99SG0093

RWP#: 99110601 TECHNICIAN: J OLIVER Date/Time: 9-25-99 / 2135

DESCRIPTION OF WORK COVERED: MODIFICATION OF SCAFFOLD RACK

LOCATION: U-1 - LOWER CTMT - WINDOW BETWEEN #2 + #3 S/G CUBICLES

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <1 - 10

CONTACT DOSE RATE(S): NA

INST. TYPE: R50 INST #: 353

G/A SMEARABLE CONTAMINATION: <1K - 3K

EQUIP. EXT. CONTAMINATION: N/A

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: RM80 INST #: 231

WORK AREA

☒ EASILY ACCESSABLE ☒ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: N/A

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☒ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☒ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: NA ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #:

RESULTS IN MICRO cl/cc AND DAC'S: NA

RESP. WORN? ☐ Y ☒ N

HEPA USED? ☐ Y ☒ N

P.C.'S

DRESS CODE USED: M A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: N/A

COMMENTS / MAP SPACE

VERIFICATION SURVEY OF DOSE RATES AND CONTAM. LEVELS IN TRAVEL PATH AND WORK AREA IN SUPPORT OF SCAFFOLDING RACK MODIFICATION.

TECHNICIAN

SUPERVISOR 9/26/99

93

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99SG0090

RWP#: 99-1106-01 TECHNICIAN: Z Huff Date/Time: 9-25-99/0720

DESCRIPTION OF WORK COVERED: Building scaffolding around 2-3 S/G

LOCATION: U1-CTMT L/L 612'

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): 1-8 mR/HR (WORK AREA)

CONTACT DOSE RATE(S): 15 mR/HR HIGHEST

INST. TYPE: E50 INST #: 352

G/A SMEARABLE CONTAMINATION: 1-3 K dpm /100cm²

EQUIP. EXT. CONTAMINATION: N/A

EQUIP. INT. CONTAMINATION:

INST. TYPE: RM-20 INST #: 231

WORK AREA

■ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☐ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS:

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

■ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

■ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: ☐ HI VOL ☐ LO VOL ☐ GILLLIAN INST #:

RESULTS IN MICRO ci/cc AND DAC'S: NA

RESP. WORN? ☐ Y ☐ N

HEPA USED? ☐ Y ☐ N

P.C.'S

DRESS CODE USED: M A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS:

COMMENTS / MAP SPACE

0730 Rwp. 99-1106-01 Laborers moving scaffolding & Carpenters building scaffolding around 2-3 S/G.

0800 Rwp. 99-1041-01 Painters looking for equipment.

TECHNICIAN Z. Huff SUPERVISOR Ken Dayno

92

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99 SG 0092

RWP#: 991106-01 TECHNICIAN: K. GRUZINSKI Date/Time: 9-25-99 @ 1720

DESCRIPTION OF WORK COVERED: RP COVERAGE U1 / LOWER CONTAINMENT

LOCATION: U1 / LOWER CONTAINMENT, # 3 STEAM GEN.

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <1 to 12 mR/HR

CONTACT DOSE RATE(S): NA

INST. TYPE: R60 INST #: 553

G/A SMEARABLE CONTAMINATION: NA

EQUIP. EXT. CONTAMINATION: NA

EQUIP. INT. CONTAMINATION: NA

INST. TYPE: NA INST #: NA

WORK AREA

☐ EASILY ACCESSABLE ☑ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☑ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS:

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☑ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☑ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: NA ☐ HI VOL NA ☐ LO VOL ☐ GILLLIAN INST #: NA

RESULTS IN MICRO cl/cc AND DAC'S: NA

RESP. WORN? ☐ Y ☑ N

HEPA USED? ☐ Y ☑ N

P.C.'S

DRESS CODE USED: M A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: NA

COMMENTS / MAP SPACE

- SHIFT RELIEF & TURNOVER
- SAFETY PERSONEL IN AREA TO WALKDOWN LOCATION OF ACCIDENT.
- WALKDOWN OF WORK AREA
- REMOVE PC'S FROM STEPOFF PAD.

K. E. G. — Dean Cobb 9/25/99

TECHNICIAN SUPERVISOR

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99560097

RWP#: 991106-01 TECHNICIAN: Christian Adams Date/Time: 9/25/99 1750

DESCRIPTION OF WORK COVERED:
Investigation of earlier incident of injury by Bechtel and Safety

LOCATION:
U/1 Lower CTMT

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): 0.2 - 12

CONTACT DOSE RATE(S): 35

INST. TYPE: Eberline RSO-50E INST #: RSO-352

G/A SMEARABLE CONTAMINATION: no smears taken

EQUIP. EXT. CONTAMINATION: N/A

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: N/A INST #: N/A

WORK AREA

☐ EASILY ACCESSABLE ☒ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: Ladders (climbing via ladders) and scaffolding piers are the primary means to accommodate movement

POSTING

☒ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☐ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☒ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: N/A ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #:

RESULTS IN MICRO cl/cc AND DAC'S

RESP. WORN? ☐ Y ☐ N

HEPA USED? ☐ Y ☐ N

P.C.'S

DRESS CODE USED
M A, B, C, D1
D2, E OR F

ADDITIONAL ITEMS:

COMMENTS / MAP SPACE

No work by Bechtel performed during coverage. Bechtel utilized time for a stand-down, a pause in work allowing for reflection on earlier incident where falling scaffold injured a Bechtel carpenter. A team re-enacted the incident, took photographs of area, and, in general, investigated that incident.

TECHNICIAN Christian Adams SUPERVISOR [signature]

88

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99560099

RWP#: 99110601 TECHNICIAN: wlake Date/Time: 9-26-99 / 1400

DESCRIPTION OF WORK COVERED: S/G's 1-1 + 1-4 I/S Doghouses Routine Survey

LOCATION: U1 L/C S/G's 1-1 + 1-4 I/S O/H 633' → 680'

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <0.2 to 8 mrem/hr

CONTACT DOSE RATE(S): <0.2 to 13 mrem/hr

INST. TYPE: RS050E INST #: RS0-351

G/A SMEARABLE CONTAMINATION: <1000 to 15000 dpm/100cm² / <MDA α

EQUIP. EXT. CONTAMINATION: <1000 to 15000 dpm/100cm² / <MDA α

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: RM80 / Tennelec INST #: RM80-231 / TN-2 (MDA-7.7 α)

WORK AREA

☐ EASILY ACCESSABLE ■ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

■ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: No Grating or Scaffolding to walk on. Must be very careful.

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

■ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

■ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: N/A ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #: N/A

RESULTS IN MICRO cl/cc AND DAC'S

RESP. WORN? ☐ Y ■ N

HEPA USED? ☐ Y ■ N

P.C.'S

DRESS CODE USED: M A, B, C, D1 / D2, E OR F

ADDITIONAL ITEMS: Recommend Safety Harness

COMMENTS / MAP SPACE

See Survey # 99560098

TECHNICIAN wlake SUPERVISOR [illegible]

87

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99560114

RWP#: 99-1106-01 TECHNICIAN: Mark Kolhagen Date/Time: 9/27/99 / 2030

DESCRIPTION OF WORK COVERED: RP Rover

LOCATION: U-1 Lower Containment around Steam Generator #2 & 3

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <.2 – 10

CONTACT DOSE RATE(S): 12

INST. TYPE: RJ30 INST #: 330

G/A SMEARABLE CONTAMINATION: 1000

EQUIP. EXT. CONTAMINATION: 3,000

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: RM20 INST #: 231

WORK AREA

☐ EASILY ACCESSABLE ☒ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☐ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: Scaffold lower / upper / traffic Area around S/G #2 & 3

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☐ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☐ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

N/A

AIRSAMPLE

A/S #: N/A ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #: N/A

RESULTS IN MICRO cl/cc AND DAC'S: N/A

RESP. WORN? ☐ Y ☒ N

HEPA USED? ☐ Y ☒ N

P.C.'S

DRESS CODE USED "M" A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: Note: Posting @ Sop CA / CRP Posting @ gate Danger HRA

COMMENTS / MAP SPACE

Dose rate Survey for bechel carpenters / labors to Support Scaffold erection.

traffic patterns – <.2 – 10

Working dose Rates 1 – 6

Alara Area <.2 – 4

No B- Detected

Anti-c Requirement "M"

Mode 6 shutdown time 2310 Date 9-8-97

TECHNICIAN Mark Kolhagen SUPERVISOR Dean Cobb 9/27/99

F5

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99SG014

99/033

RWP#: 991106 TECHNICIAN: BRADY Date/Time: 9/27/99 1300 – 1600

DESCRIPTION OF WORK COVERED: SCAFFOLD ERECTION, TENT ESTABLISHING, CONTAINMENT COORDINATORS – WALK DOWN – VISUAL.

LOCATION: UNIT #1 CONTAINMENT.

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <0.2 UP TO 10 mR/HR

CONTACT DOSE RATE(S): 20 mR/HR ON STEAM GENERATORS & WORK AREA/MAXIUM

INST. TYPE: RM 14 INST #: 231 2/29/00

G/A SMEARABLE CONTAMINATION: <1000 DPM UP 8000 DPM/100cm

EQUIP. EXT. CONTAMINATION: <1000 DPM/100cm2

EQUIP. INT. CONTAMINATION: <1000 DPM/100cm2

INST. TYPE: RS050E INST #: 344 7/31/00

WORK AREA

■ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

■ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS:

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

■ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

■ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: N/ ☐ HI VOL ☐ LO VOL ☐ GILLLIAN INST #:

RESULTS IN MICRO cl/cc AND DAC'S: A

RESP. WORN? ☐ Y ■ N

HEPA USED? ☐ Y ■ N

P.C.'S

DRESS CODE USED: N/A A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: WORKERS WEARING DRESS CODE "M". INSPECTORS WEARING DRESS CODE "L".

COMMENTS / MAP SPACE

RWP991106 - CARPENTERS + LABORS CONTINUING S/G #2, SCAFFOLD ERECTION

RWP991106 - ASBESTOS TECHS: CONTINUE S/G #3, TENT ENCAPSULATION.

RWP991033: 1 CREW OF CONTRACTORS/FUTURE CONTAINMENT COORDINATORS IN FOR VISUAL + WALK DOWN.

TECHNICIAN: BRADY SUPERVISOR: [illegible]

84

COPY.

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99960140

991007

RWP#: 991106 TECHNICIAN: BRADY Date/Time: 9/29/99 0900 - 1100

DESCRIPTION OF WORK COVERED: SCAFFOLD ERECTION, TENT ESTABLISHING AND SAFTEY WALK DOWNS.

LOCATION: UNIT #1 CONTAINMENT

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <0.2mR UP TO 10mR/HR

CONTACT DOSE RATE(S): 20mR/HR ON STEAM GENERATORS @ WORK AREAS

INST. TYPE: DM 14 INST #: 231 2/29/00

G/A SMEARABLE CONTAMINATION: <1000DPM UP TO 8000DPM/100cm²

EQUIP. EXT. CONTAMINATION: <1000 DPM/100cm²

EQUIP. INT. CONTAMINATION: <1000 DPM/100cm²

INST. TYPE: RS05-0F INST #: 344 7/31/99 7/31/00

WORK AREA

☒ EASILY ACCESSABLE ☒ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS:

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

■ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

■ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: N/A ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #:

RESULTS IN MICRO ci/cc AND DAC'S N/A

RESP. WORN? ☐ Y ■ N

HEPA USED? ☐ Y ■ N

P.C.'S

DRESS CODE USED N/A A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: ALL WORKERS WEARING "M" DRESS CODE. INSPECTORS WEARING DRESS "L".

COMMENTS / MAP SPACE

RWP 991106: CARPENTERS & LABORS ERECTING SCAFFOLD, TOP SIDE S/G #2 WORK AREA = <0.2mR UP TO 5mR/HR. 8000DPM/100cm² MAXIMUM CONTAMINATION.

RWP 991106: ASBESTOS TECH'S ESTABLISHING TENT TOP SIDE ON S/G #3. WORK AREA = <0.2mR UP TO 5mR/HR, 8000DPM/100cm² MAXIMUM CONTAMINATION.

RWP 991007: SAFTEY TECH'S PERFORMING VISUAL ON SCAFFOLD & TENT PROTECTS.

NOTE: PERFORMED SURVEY ON ALL 4 STEAM GENERATORS HAND HOLE COVERS. STILL INSULATED = 5mR/HR @ CONTACT, 3.5mR/HR @ 30cm. INSULATION ON/OR OVER COVERS = <1000 DPM/100cm². GENERATORS @ THIS LOCATION = 5mR/HR @ CONTACT (MAXIMUM).

TECHNICIAN BRADY SUPERVISOR [illegible]

84

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 9956 0153

RWP#: 99 1106 TECHNICIAN: BRADY Date/Time: 9/30/99 0900

DESCRIPTION OF WORK COVERED: SCAFFOLD ERECTION AND S/G TENT - ENCAPSULATION FOR FUTURE INSULATION REMOVAL.

LOCATION: UNIT # 1 CONTAINMENT / LOWER CONTAINMENT

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): < 0.2 mR UP TO 10 mR/HR

CONTACT DOSE RATE(S): WORK LOCATION / 30 mR/HR @ STEAM GENERATOR / MAXIUM

INST. TYPE: RSO50E INST #: 848 12/31/99

G/A SMEARABLE CONTAMINATION: < 1000 DPM UP TO 8000 DPM/100 cm2.

EQUIP. EXT. CONTAMINATION: < 1000 DPM/100 cm2 ON MATERIALS (BEING REMOVED)

EQUIP. INT. CONTAMINATION: < 1000 DPM/100 cm2 ON/IN MATERIALS (BEING REMOVED)

INST. TYPE: PM20 INST #: 231 2/29/00

WORK AREA

[x] EASILY ACCESSABLE [x] OVERHEAD AREA [ ] UNDER GRATING [ ] CONFINED AREA

[x] DRY [ ] WET [ ] OILY [ ] BORIC ACID COVERED

COMMENTS:

POSTING

[ ] RADIATION AREA [ ] AIRBORNE RADIOACTIVITY AREA

[x] HIGH RADIATION AREA [ ] HIGH CONTROLLED SURFACE C.A.

[ ] EXTREME HIGH RADIATION AREA [ ] NEUTRON RADIATION AREA

[x] CONTAMINATION AREA [ ] RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: N / [ ] HI VOL [ ] LO VOL [ ] GILLLIAN INST #:

RESULTS IN MICRO cl/cc AND DAC'S / A

RESP. WORN? [ ] Y [x] N

HEPA USED? [ ] Y [x] N

P.C.'S

DRESS CODE USED ____ A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: WORKERS WEARING DRESS CODE "M". INSPECTORS WEARING DRESS CODE "L".

COMMENTS / MAP SPACE

RWP 99 1106: CARPENTER + LABORS: CONTINUE SCAFFOLD ERECTION ON S/G # 2. WORK AREA = < 0.2 mR UP TO 5 mR/HR. 8000 DPM/100 cm2 MAXIUM

RWP 99 1106: ASBESTOS TECHS: CONTINUING ENCAPSULATION TENT ON S/G # 3. TOP SIDE. WORK AREA = < 0.2 mR UP TO 5 mR/HR, AND 8000 DPM/100 cm2 MAXIUM.

TECHNICIAN BRADY SUPERVISOR

83

COPY

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99SG0167

991114

RWP#: 991106 TECHNICIAN: BRADY Date/Time: 10/1/99 0600 - 0900.

DESCRIPTION OF WORK COVERED: UPPER CONTAINMENT ROVER RAD. PROTECTION TECH LOGSHEET

LOCATION: UNIT #1 10/1/99 #1 CONTAINMENT.

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <0.2mR - 0.5mR/HR

CONTACT DOSE RATE(S): <0.2mR/HR.

INST. TYPE: RSO-041/RSO50E INST #: RSO-041 12/3/99

G/A SMEARABLE CONTAMINATION: <1000 DPM UP TO 5000 DPM/100cm2

EQUIP. EXT. CONTAMINATION: <1000 DPM/100cm2

EQUIP. INT. CONTAMINATION: <1000 DPM/100cm2

INST. TYPE: RM 14 INST #: 8697 7/31/00

WORK AREA

[x] EASILY ACCESSABLE [x] OVERHEAD AREA [ ] UNDER GRATING [ ] CONFINED AREA

[x] DRY [ ] WET [ ] OILY [ ] BORIC ACID COVERED

COMMENTS:

POSTING

[x] RADIATION AREA [ ] AIRBORNE RADIOACTIVITY AREA

[x] HIGH RADIATION AREA [ ] HIGH CONTROLLED SURFACE C.A.

[ ] EXTREME HIGH RADIATION AREA [ ] NEUTRON RADIATION AREA

[x] CONTAMINATION AREA [ ] RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: N/A [ ] HI VOL [ ] LO VOL [ ] GILLLIAN INST #:

RESULTS IN MICRO cl/cc AND DAC'S

RESP. WORN? [ ] Y [x] N

HEPA USED? [ ] Y [x] N

P.C.'S

DRESS CODE USED ____ A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: DRESS OUT CODE "M" FOR WORKERS. DRESS CODE "L" FOR INSPECTORS.

COMMENTS / MAP SPACE

RWP 1106: ELECTRICAL ENG. INSPECTIONS, TOP CONTAINMENT CATWALKS FOR FUTURE DETERMS/ELECTRICAL.

RWP 1106: ASBESTOS TECHS/LOWERING HEPA UNITS (4-2000 CFM) DOWN TO STAGE/BY S/G 2+3. FOR FUTURE TENT WORK. HEPAS = <0.2mR/HR CONTACT <100 CPM/LARGE MASSIN SMEARS.

RWP 1114: IRON WORKER PERFORMED VISUALS/FOR 650' AND ABOVE PERMANANT STEPS/REMOVAL.

OUTSIDE AREA: EQUIPTMENT HATCH BARREL: THAT ENTERS INTO 650' CONTAINMENT. UNDER HATCH = <0.2mR/HR CONTACT AND <1000 DPM/100cm2 UP TO 5000 DPM/100cm2 AREA IS A POSTED - CONTAMINATION AREA.

TECHNICIAN BRADY SUPERVISOR [signature]

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JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99560190

991106

RWP#: 991103 TECHNICIAN: BRADY Date/Time: 10/2/99 (0900) (1200)

DESCRIPTION OF WORK COVERED: UNIT #1 CONTAINMENT ROUTE RAD-ALO ROUTE LOG-SHEET

LOCATION: UNIT # CONTAINMENT / UPPER CONTAINMENT

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): < 0.2 mR UP TO 0.75 mR/HR

CONTACT DOSE RATE(S): < 0.2 mR/HR

INST. TYPE: RSO50E INST #: 353 6/30/00

G/A SMEARABLE CONTAMINATION: < 1000 DPM UP TO 10,000 DPM/100cm2

EQUIP. EXT. CONTAMINATION: < 1000 DPM UP TO 10,000 DPM/100cm2

EQUIP. INT. CONTAMINATION: < 1000 DPM UP TO 10,000 DPM/100cm2

INST. TYPE: RM 14 INST #: R697 7/19/00

WORK AREA

[x] EASILY ACCESSABLE [x] OVERHEAD AREA [ ] UNDER GRATING [ ] CONFINED AREA

[x] DRY [ ] WET [ ] OILY [ ] BORIC ACID COVERED

COMMENTS:

POSTING

[x] RADIATION AREA [ ] AIRBORNE RADIOACTIVITY AREA

[ ] HIGH RADIATION AREA [ ] HIGH CONTROLLED SURFACE C.A.

[ ] EXTREME HIGH RADIATION AREA [ ] NEUTRON RADIATION AREA

[x] CONTAMINATION AREA [ ] RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: N/A [ ] HI VOL [ ] LO VOL [ ] GILLLIAN INST #:

RESULTS IN MICRO ci/cc AND DAC'S

RESP. WORN? [ ] Y [ ] N

HEPA USED? [ ] Y [ ] N

P.C.'S

DRESS CODE USED ____ A, B, C, D1 / D2, E OR F

ADDITIONAL ITEMS: DRESS CODE "M" FOR CONTAMINATED WORK DRESS CODE "L" FOR INSPECTIONS.

COMMENTS / MAP SPACE

RWP 991103: MISSLE BARRIERS & VERTICLE SHIELDS / EX HEAD INSTALLATION

RWP 991106: UPPER CONTAINMENT RELAMP.

RWP 991106: SFA/Lgnd BOX CHANGE OUT / MOVER INSULATOR EQUIPMENT BOX & BASKET SCANNED & UP.

RWP 991106: ELECTRICAL DETERM / UPPER CATWALKS / FOR FIXTURES / & CHANGE OUT

ALL WORK AREAS = < 0.2 mR UP TO 0.75 mR/HR

ALL WORK AREAS = < 1000 DPM UP TO 10,000 DPM/100cm2

ALL WORKERS WERE BRIEFED AS TO RADIOLOGICAL CONDITIONS.

TECHNICIAN BRADY SUPERVISOR Kim Dayton

P. 1 of 1
Rev. 7

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JOB COVERAGE LOGSHEET

JC-400

COPY

LOGSHEET NO. 99560190

99/106

RWP#: 991103 TECHNICIAN: BRADY Date/Time: 10/2/99 (0900/1200)

DESCRIPTION OF WORK COVERED: UNIT #1 CONTAINMENT ROUSE RAA-A20 ROUTER LOG-SHEET

LOCATION: UNIT # CONTAINMENT / UPPER CONTAINMENT

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): < 0.2 mR UP TO 0.75 mR/HR

CONTACT DOSE RATE(S): < 0.2 mR/HR

INST. TYPE: RS050E INST #: 353 6/30/00

G/A SMEARABLE CONTAMINATION: < 1000 DPM UP TO 10,000 DPM/100cm2

EQUIP. EXT. CONTAMINATION: < 1000 DPM UP TO 10,000 DPM/100cm2

EQUIP. INT. CONTAMINATION: < 1000 DPM UP TO 10,000 DPM/100cm2

INST. TYPE: Rm 14 INST #: 8697 7/19/00

WORK AREA

[x] EASILY ACCESSABLE [x] OVERHEAD AREA [ ] UNDER GRATING [ ] CONFINED AREA

[x] DRY [ ] WET [ ] OILY [ ] BORIC ACID COVERED

COMMENTS:

POSTING

[x] RADIATION AREA [ ] AIRBORNE RADIOACTIVITY AREA

[ ] HIGH RADIATION AREA [ ] HIGH CONTROLLED SURFACE C.A.

[ ] EXTREME HIGH RADIATION AREA [ ] NEUTRON RADIATION AREA

[x] CONTAMINATION AREA [ ] RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: N/A [ ] HI VOL [ ] LO VOL [ ] GILLLIAN INST #:

RESULTS IN MICRO ci/cc AND DAC'S

RESP. WORN? [ ] Y [ ] N

HEPA USED? [ ] Y [ ] N

P.C.'S

DRESS CODE USED ____ A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: ~~[illegible]~~ DRESS CODE "M" FOR CONTAMINATED WORK DRESS CODE "L" FOR INSPECTIONS.

COMMENTS / MAP SPACE

RWP 991103: MISSLE BLOCKS & VERTICLE SHIELDS / PX HEAD INSTALLATION

RWP 991106: UPPER CONTAINMENT RELAMP.

RWP 991106: STA/LOAD BOX CHANGE OUT / MOVER INSULATOR EQUIPMENT BOX & BRACKET SCAFFOLD BOX UP.

RWP 991106: ELECTRICAL DETERM / UPPER CONTAINMENT / FOR FUTURES / 6 CHANGE OUT

ALL WORK AREAS = < 0.2 mR UP TO 0.75 mR/HR

ALL WORK AREAS = < 1000 DPM UP TO 10,000 DPM/100cm2

ALL WORKERS WERE BRIEFED AS TO RADIOLOGICAL CONDITIONS.

TECHNICIAN BRADY SUPERVISOR Kim Hayes

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JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99560225 10/7/99

RWP#: 991106-01 TECHNICIAN: Lee Severtson Date/Time: 10-4-99 2350

DESCRIPTION OF WORK COVERED: Erecting Asbestos Tent scaffold erection snubber inspection & removal

LOCATION: # 2+3 S/G U-1 lower ctmt - tent building S/G # 1 U-1 lower ctmt - scaffold erection snubber work on U-1 S/G # 3 platform

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <0.2 - 8 mr/hr

CONTACT DOSE RATE(S): 1 - 8 mr/hr

INST. TYPE: RSO - 50 INST #: 334

G/A SMEARABLE CONTAMINATION: <1000 - 2000 dpm/100cm2

EQUIP. EXT. CONTAMINATION: N/A

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: Rm20 INST #: 231

WORK AREA

☐ EASILY ACCESSABLE ☒ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☐ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: Tent building off previously erected scaffold Began erecting Scaffold on # 1 S/G.

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☒ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☒ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: N/A ☐ HI VOL ☐ LO VOL ☐ GILLLIAN INST #: N/A

RESULTS IN MICRO ci/cc AND DAC'S

RESP. WORN? ☐ Y ☒ N

HEPA USED? ☐ Y ☒ N

P.C.'S

DRESS CODE USED M A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS:

COMMENTS / MAP SPACE

Provided routine job coverage of previously surveyed areas

Performed walkdown of work areas

Provided dose rates & contamination levels for inspection & removal of snubbers

TECHNICIAN Lee Sev SUPERVISOR Dean Cobb 10/4/99

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JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99560224

RWP#: 991106-01 TECHNICIAN: Lee Severtson Date/Time: 10-4-99 2000

DESCRIPTION OF WORK COVERED: Erecting Asbestos tent
Scaffold erection

LOCATION: # 2 + 3 s/6 U-1 lower ctmt - tent building
Between # 1 + 4 s/6 U-1 lower ctmt - building deck

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): < 0.2 - 8 mr/hr

CONTACT DOSE RATE(S): 1 - 8 mr/hr

INST. TYPE: RSO-50 INST #: 334

G/A SMEARABLE CONTAMINATION: < 1000 dpm/100cm² - 2000 dpm/100cm²

EQUIP. EXT. CONTAMINATION: N/A

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: RM20 INST #: 231

WORK AREA

☐ EASILY ACCESSABLE ☒ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA
☐ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: Tent building off previously erected scaffold

POSTING

☐ RADIATION AREA
☒ HIGH RADIATION AREA
☐ EXTREME HIGH RADIATION AREA
☒ CONTAMINATION AREA
☐ AIRBORNE RADIOACTIVITY AREA
☐ HIGH CONTROLLED SURFACE C.A.
☐ NEUTRON RADIATION AREA
☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: N/A ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #: N/A

RESULTS IN MICRO ci/cc AND DAC'S

RESP. WORN? ☐ Y ☒ N
HEPA USED? ☐ Y ☒ N

P.C.'S

DRESS CODE USED: M A, B, C, D1 / D2, E OR F

ADDITIONAL ITEMS: N/A

COMMENTS / MAP SPACE

Provided routine job coverage of previously surveyed areas.
Performed walkdown of work areas

TECHNICIAN [signature] SUPERVISOR [signature] 10/4/99

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99SG 0220

RWP#: 991106 TECHNICIAN: BRADY Date/Time: 10/4/99 1500 - 1730

DESCRIPTION OF WORK COVERED:
UNIT #1 LOWER CONTAINMENT / LOWER TECH / RAD-PRO LOG - SHEET

LOCATION:
UNIT #1 CONTAINMENT (LOWER)

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): < 0.2 mR UP TO 10 mR/HR
CONTACT DOSE RATE(S): < 0.2 mR/HR
INST. TYPE: RSO50E INST #: 349
G/A SMEARABLE CONTAMINATION: < 1000 DPM UP TO 8000 DPM/100 cm2
EQUIP. EXT. CONTAMINATION: < 1000 DPM/100 cm2
EQUIP. INT. CONTAMINATION: < 1000 DPM/100 cm2
INST. TYPE: RM 20 INST #: 231 2/29/00

WORK AREA

[x] EASILY ACCESSABLE [x] OVERHEAD AREA [ ] UNDER GRATING [ ] CONFINED AREA
[x] DRY [ ] WET [ ] OILY [ ] BORIC ACID COVERED

COMMENTS:

POSTING

[ ] RADIATION AREA
[x] HIGH RADIATION AREA
[ ] EXTREME HIGH RADIATION AREA
[x] CONTAMINATION AREA
[ ] AIRBORNE RADIOACTIVITY AREA
[ ] HIGH CONTROLLED SURFACE C.A.
[ ] NEUTRON RADIATION AREA
[ ] RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: N/A [ ] HI VOL [ ] LO VOL [ ] GILLIAN INST #:
RESULTS IN MICRO cl/cc AND DAC'S
/4
RESP. WORN? [ ] Y [x] N
HEPA USED? [ ] Y [x] N

P.C.'S

DRESS CODE USED
____ A, B, C, D1
D2, E OR F

ADDITIONAL ITEMS: DRESS CODE "M" FOR WORKERS
DRESS CODE "L" FOR INSPECTORS

COMMENTS / MAP SPACE

RWP 991106: CARPENTERS & LABORS CONTINUING STAGING MATERIALS. (SCAFFOLDING) FROM UPPER TO LOWER - CONTAINMENT

TECHNICIAN BRADY SUPERVISOR Ken Hyan

80

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 9956 0219

RWP#: 991106 TECHNICIAN: BRADY Date/Time: 10/4/99 0900-1200

DESCRIPTION OF WORK COVERED:
UNIT #1 CONTAINMENT RAD-PRO ROVER DUTIES:

LOCATION: LOWER CONTAINMENT WORK AREAS.

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <0.2mR UP TO 10mR/HR

CONTACT DOSE RATE(S): <0.2mR/HR

INST. TYPE: RSO5TO INST #: 349

G/A SMEARABLE CONTAMINATION: <1000 DPM UP TO 8000 DPM/100cm2

EQUIP. EXT. CONTAMINATION: <1000 DPM/100cm2

EQUIP. INT. CONTAMINATION: <1000 DPM/100cm2

INST. TYPE: RM 20 INST #: #231 2/29/00

WORK AREA

■ EASILY ACCESSABLE ■ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

■ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS:

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

■ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

■ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRBORNE

A/S #: N/A ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #:

RESULTS IN MICRO cl/cc AND DAC'S

RESP. WORN? ☐ Y ■ N

HEPA USED? ☐ Y ■ N

P.C.'S

DRESS CODE USED: E (A, B, C, D1, D2, E OR F)

ADDITIONAL ITEMS:

COMMENTS / MAP SPACE

RWP 991106: CARPENTERS + LABORS RECEIVING SCAFFOLDING FROM UPPER CONTAINMENT TO STAGE IN LOWER CONTAINMENT.
RWP 990512: CHEM TECH TO 6/6"4" TO POLL INTERIOR LOOP RCS SAMPLE
RWP 991033: ENG VISUAL INSPECTION VENT: EXHAUST SYSTEM.
RWP 991106: ELECTRICIANS INTO RELAMP/ESTABLISHED STRINGING LIGHTS.

TECHNICIAN [signature] SUPERVISOR [signature]

76

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 9956 0252

99108

RWP#: 991106 TECHNICIAN: BRADY Date/Time: 10/4/99 0900-1200

DESCRIPTION OF WORK COVERED: UPPER CONTAINMENT RAD-PRO ROLLER LOG SHEET.

LOCATION: UNIT #1 CONTAINMENT 650' ELEVATION & ABOVE.

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <0.2 mR UP TO 0.5 mR/HR

CONTACT DOSE RATE(S): <0.2 mR/HR

INST. TYPE: RSO50E INST #: 040

G/A SMEARABLE CONTAMINATION: <1000 dpm/100cm2

EQUIP. EXT. CONTAMINATION: <1000 dpm/100cm2

EQUIP. INT. CONTAMINATION: <1000 dpm/100cm2

INST. TYPE: Rm 14 INST #: 8689

WORK AREA

[x] EASILY ACCESSABLE [x] OVERHEAD AREA [x] UNDER GRATING [ ] CONFINED AREA

[x] DRY [ ] WET [ ] OILY [ ] BORIC ACID COVERED

COMMENTS:

POSTING

[x] RADIATION AREA [ ] AIRBORNE RADIOACTIVITY AREA

[ ] HIGH RADIATION AREA [ ] HIGH CONTROLLED SURFACE C.A.

[ ] EXTREME HIGH RADIATION AREA [ ] NEUTRON RADIATION AREA

[ ] CONTAMINATION AREA [ ] RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: N/A [ ] HI VOL [ ] LO VOL [ ] GILLIAN INST #:

RESULTS IN MICRO ci/cc AND DAC'S N/A

RESP. WORN? [ ] Y [x] N

HEPA USED? [ ] Y [x] N

P.C.'S

DRESS CODE USED ____ A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: ALL INSPECTIONS = DRESS "2".

COMMENTS / MAP SPACE

RWP 991108 / DECON CREW PERFORM HOUSEKEEPING WIPE DOWN, UNDER SIDE DIAMOND PLATE, INSIDE 650' CONTAINMENT BARREL:

PRE DECON = <1000 dpm/100cm2 → POST, EQUALS THE SAME

RWP 991106: NO OTHER WORK @ THIS TIME

CARPENTERS ESTABLISHED HAND RAILS INSIDE BARREL HATCH.

TECHNICIAN Brady SUPERVISOR Ken Bayne

P. 1 of 1
Rev. 7

75

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99560253

RWP#: 991106 TECHNICIAN: BRADY Date/Time: 10/6/99 ~~1500-1700~~

DESCRIPTION OF WORK COVERED:
UNIT #1 CONTAINMENT RAD-PRO BOILER LOG SHEET

LOCATION:
UNIT #1 CONTAINMENT UPPER 650' CONTAINMENT

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <0.2 mR/HR – 0.5 mR/HR
CONTACT DOSE RATE(S): <0.2 mR/HR
INST. TYPE: RSO50E INST #: 040
G/A SMEARABLE CONTAMINATION: <1000 DPM
EQUIP. EXT. CONTAMINATION: <1000 DPM/100 cm2
EQUIP. INT. CONTAMINATION: <1000 DPM/100 cm2
INST. TYPE: RM 14 INST #: 86 89

WORK AREA

■ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA
■ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS:

POSTING

■ RADIATION AREA
☐ HIGH RADIATION AREA
☐ EXTREME HIGH RADIATION AREA
☐ CONTAMINATION AREA
☐ AIRBORNE RADIOACTIVITY AREA
☐ HIGH CONTROLLED SURFACE C.A.
☐ NEUTRON RADIATION AREA
☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: N/A ☐ HI VOL ☐ LO VOL ☐ GILLLIAN INST #:
RESULTS IN MICROcI/cc AND DAC'S
RESP. WORN? ☐ Y ■ N
HEPA USED? ☐ Y ■ N

P.C.'S

DRESS CODE USED
____ A, B, C, D1
D2, E OR F

ADDITIONAL ITEMS: STREET CLOTHS

COMMENTS / MAP SPACE

RWP 991106: CARPENTER FINE TUNED HAND-RAILS IN BARREL HATCH.

TECHNICIAN BRADY SUPERVISOR [illegible]

74

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99S 60272

RWP#: 99106-01 TECHNICIAN: Rusty L. Earnest Date/Time: 10-6-99 / 1530

DESCRIPTION OF WORK COVERED:
Survey of O/S of Sealands #212827 & #DOU232619(D) To verify Posting

LOCATION:
Parked Trailer with the (2) Sealands on it North of RPAC Inside Restricted Area

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S):
CONTACT DOSE RATE(S):
INST. TYPE: INST #:
G/A SMEARABLE CONTAMINATION:
EQUIP. EXT. CONTAMINATION:
EQUIP. INT. CONTAMINATION:
INST. TYPE: INST #:

WORK AREA

☐ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA
☐ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED
COMMENTS:

POSTING

☐ RADIATION AREA ☒ AIRBORNE RADIOACTIVITY AREA
☐ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.
☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA
☐ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: ☐ HI VOL ☐ LO VOL ☐ GILLLIAN INST #:
RESULTS IN MICRO cl/cc AND DAC'S
RESP. WORN? ☐ Y ☐ N
HEPA USED? ☐ Y ☐ N

P.C.'S

DRESS CODE USED
____ A, B, C, D1
D2, E OR F
ADDITIONAL ITEMS:

COMMENTS / MAP SPACE

Results of Boundary verification on O/S of (2) Sealand Trailers was *6 uR/hr to *28 uR/hr contact.
BKG of Area was 5 uR/hr to 32 uR/hr General Area.
NOTE: Both Trailers were posted: Restricted Area
Radioactive material AREA
Instrument # ESP2-1846 Radioactive material

TECHNICIAN [signature] SUPERVISOR [signature]

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JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99560274

RWP#: 991106-01 TECHNICIAN: BRADY Date/Time: 10/7/99 1200 - 1500

DESCRIPTION OF WORK COVERED:
UNIT #1 UPPER CONTAINMENT RAD-PRO ROVER TECH.

LOCATION: 650' AND ABOVE: UNIT #1 CONTAINMENT

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <0.2 mR UP TO 0.75 mR/HR

CONTACT DOSE RATE(S): <0.2 mR/HR

INST. TYPE: RS050 E INST #: 330

G/A SMEARABLE CONTAMINATION: <1000 DPM/ UP TO 2000 DPM/100cm2

EQUIP. EXT. CONTAMINATION: <1000 DPM/100cm2

EQUIP. INT. CONTAMINATION: <1000 DPM/100cm2

INST. TYPE: RM 14 INST #: 8697

WORK AREA

■ EASILY ACCESSABLE ■ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

■ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS:

POSTING

■ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☐ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

■ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: N/A ☐ HI VOL ☐ LO VOL ☐ GILLLIAN INST #:

RESULTS IN MICRO ci/cc AND DAC'S /A

RESP. WORN? ☐ Y ■ N

HEPA USED? ☐ Y ■ N

P.C.'S

DRESS CODE USED ____ A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS DRESS CODE "M" FOR WORKERS AND DRESS CODE "L" FOR INSPECTORS IN CONTAMINATION AREA.

COMMENTS / MAP SPACE

RWP 991114: IRON WORKERS SHORING UP INNER + OUTTER 650' UPPER CONTAINMENT RAPPEL HATCH FOR FUTURE S/G RUNWAY INSTALLMENT. WORK AREAS = <0.2 mR/HR WORK AREA + SHORING = <100 DPM/100 cm2 LARGE AREA MASSING.

RWP 991106: ELECTRICAL VISUALS INSPECTIONS, FOR FUTURE DETERMS, TOP SIDE DOG-HOUSE. WORK AREAS = <0.2 mR UP TO 0.75 mR/HR. WORK AREAS = <1000 DPM/100 cm2.

RWP 991106: CARPENTERS MODIFING SHORING WOOD: WOOD = <100 CPM/100 cm2 FIRST AND <100 DPM LARGE AREA SWEEPS.

TECHNICIAN BRADY SUPERVISOR J. Kallin

72

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 9956 0330

RWP#: 99-1106-01 TECHNICIAN: Joseph H. McAdw Date/Time: 10/10/99 0300

DESCRIPTION OF WORK COVERED: Asbestos Abatement Tent Building.

LOCATION: U-1 L/C S/G #12 #13 Doghouses

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <0.2 - 12 mr/hr

CONTACT DOSE RATE(S): 13 mr/hr

INST. TYPE: N/A INST #: N/A

G/A SMEARABLE CONTAMINATION: <1K - 3K

EQUIP. EXT. CONTAMINATION: N/A

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: N/A INST #: N/A

WORK AREA

☒ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS:

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☒ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☒ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #:

RESULTS IN MICRO cl/cc AND DAC'S N/A

RESP. WORN? ☐ Y ☐ N

HEPA USED? ☐ Y ☐ N

P.C.'S

DRESS CODE USED L ~~A, B, C, D1, D2, E OR B~~

ADDITIONAL ITEMS: N/A

COMMENTS / MAP SPACE

Survey data from Map # 99-56-0265 was used for this evaluation.

Due to the recent heat stress problems associated with the asbestos tent building on S/G #12 & 13. I have reviewed the contamination levels and feel that the workers building the tent could wear dress code "L" to reduce the chances of heat stress. They are working with clean materials sealing the tent up, if it is required for the individual to crawl off the scaffold or grating then dress code "M" shall be used for that evolution. The temperature in the upper elevations is 86°F dry bulb and 76°F wet bulb. I discussed lowering the dress requirements with SGRP ALARA and AEP RP Supervision. Both concurred with my decision.

TECHNICIAN Joseph H. McAdw SUPERVISOR [signature] 10-11-99

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JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99 SG 0348

RWP#: 99-1106-01 TECHNICIAN: T. MOHNEY Date/Time: 10-12-99 / 0900 to 1200

DESCRIPTION OF WORK COVERED: U1 LOWER CMT ROVER

LOCATION: U1 LOWER CMT

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <0.2 to 10 mrem/hr

CONTACT DOSE RATE(S): N/A

INST. TYPE: RS050 INST #: RSO 875

G/A SMEARABLE CONTAMINATION: <1K to 10Kdpm/100cm2

EQUIP. EXT. CONTAMINATION: N/A

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: RM-20 INST #: RM-20 231

WORK AREA

☐ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ■ CONFINED AREA

☐ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: N/A

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

■ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

■ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: ☐ HI VOL ☐ LO VOL ☐ GILLLIAN INST #:

RESULTS IN MICRO cl/cc AND DAC'S N/A

RESP. WORN? ☐ Y ☐ N

HEPA USED? ☐ Y ☐ N

P.C.'S

DRESS CODE USED: LM A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: N/A

COMMENTS / MAP SPACE

99-1106-01 Iron workers to clean up area around #1 S/G!

#3 S/G 598' <0.2 to 10 mrem/hr up to 25Kdpm/100cm2 on boron

99-1106-01 Carpenter crew continues with scaffold build #4 S/G

<0.2 to 10 mrem/hr. <1 mrem/hr in steam dome up to 25Kdpm/100cm2

99-1051 ops in to tag out dampers on S/G <0.2 to 10 mrem/hr

<1K to 10Kdpm/100cm2 up to 25K dpm/100cm2 in overhead

TECHNICIAN T. MOHNEY SUPERVISOR [signature]

RADIOLOGICAL AREA STATUS SHEET 70

AREA DESCRIPTION S/G D/H NO. 3 UNIT NO. 1 | **MAP NO.** 140

AREA CLASSIFICATION
- RADIATION
- HIGH RADIATION
- EXTREME HIGH RADIATION
- CONTAMINATION
- AIRBORNE RADIOACTIVITY

REMARKS LOG #99SG0393

METER TYPE / NO. RMA - 8809

UNLESS NOTED: * DENOTES CONTACT / 30 CM.

DOSE RATES IN MR / HR AT WAIST LEVEL & CONTAMINATION IN DPM / 100 CM²

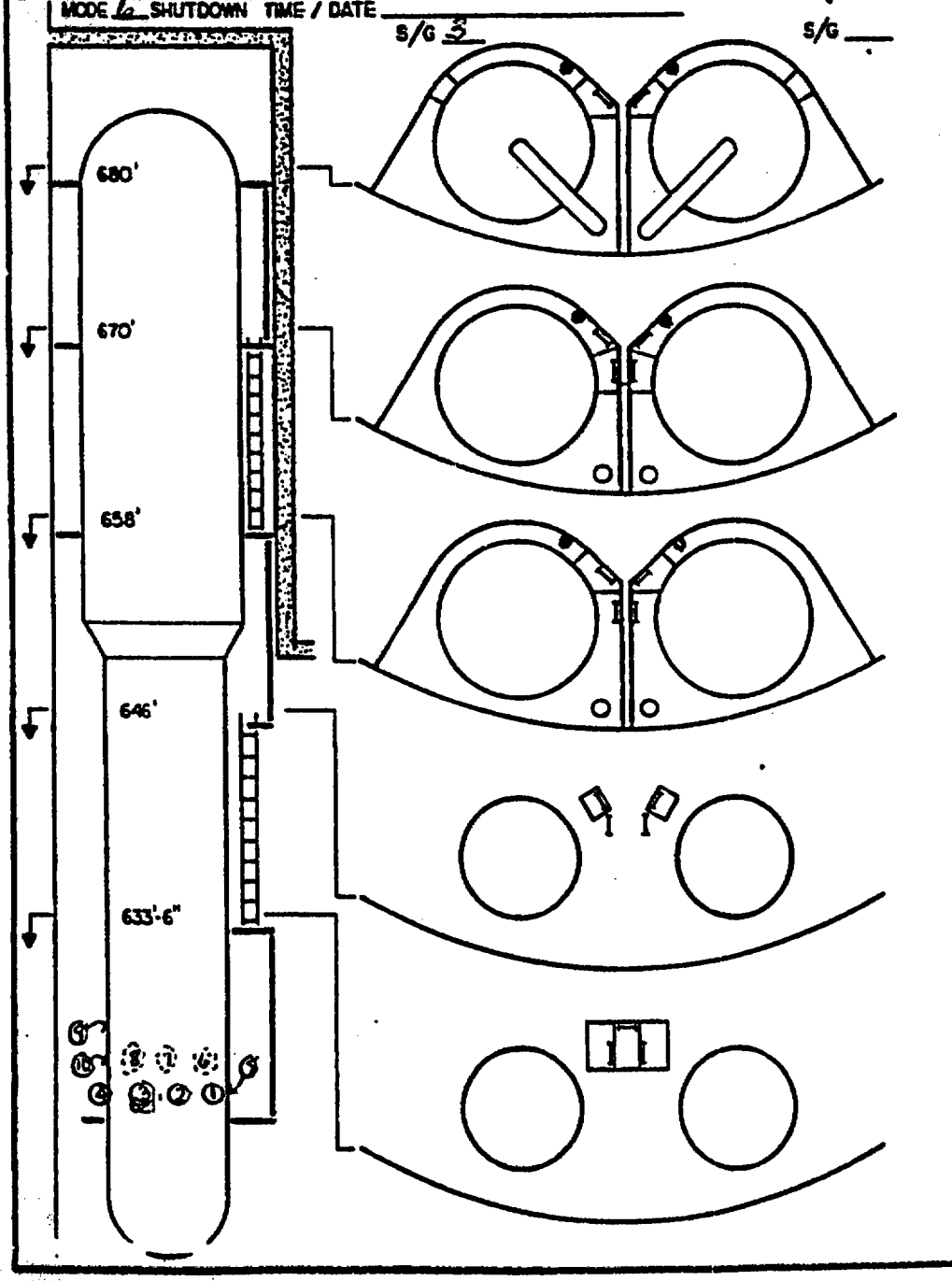
REASON FOR SURVEY
SWEARS TAKEN AFTER REMOVAL OF MIRROR INSULATION on #3 S/G

RWP USED: 991106-04

SURVEYED BY J. OLIVER | TIME 0100 | DATE 10-15-99

REVIEWED BY [signature] | DATE 10/15/99

MODE 6 SHUTDOWN TIME / DATE _____



	CONTAMINATION / REMARKS	
1	<1K	/ ON S/G
2	<1K	/ S/G STEEL
3	2K	/
4	1K	/
5	1K	/
6	2K	/
7	<1K	/
8	<1K	/
9	1K	/
10	1K	/ S/G
11	N	/
12		/
13		/
14		/
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29		/
30		/ A

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JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99SG0394

RWP#: 991106-04 TECHNICIAN: J. OLIVER Date/Time: 10-15-99 0005-0230

DESCRIPTION OF WORK COVERED: REMOVING MIRROR INSULATION

LOCATION: L1-1 LOWER CTMT @ S/G #3

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): 4 - 8

CONTACT DOSE RATE(S): NA

INST. TYPE: RSO INST #: 043

G/A SMEARABLE CONTAMINATION: <1K - 3K

EQUIP. EXT. CONTAMINATION: N/A

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: RM 14 INST #: 8809

WORK AREA

☒ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: N/A

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☒ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☒ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: 1148 ☐ HI VOL ☒ LO VOL ☐ GILLLIAN INST #: LV1002

RESULTS IN MICRO cl/cc AND DAC'S: 0.00 DAC

RESP. WORN? ☒ Y ☐ N

HEPA USED? ☐ Y ☒ N

NOTE: RESP WORN FOR POTENTIAL ASBESTOS INSULATION HAZARDS

P.C.'S

DRESS CODE USED: A, B, C, D1 / D2, E OR F

ADDITIONAL ITEMS: N/A

COMMENTS / MAP SPACE

991106-04 - VERIFICATION OF DOSE RATES AND CONTAM. LEVELS PRIOR TO REMOVING MIRROR INSUL. 4-8 mR/HR <1 KDPM/100 cm2

SMEARED SEVERAL PCS OF INSULATION AFTER REMOVAL - <1K - 3K DPM/100cm2.

0100 - DOCUMENTED SURVEY AFTER SEC. OF INSUL. REMOVED AROUND ENTIRE CIRCUMFERENCE OF S/G. SEE LOG #99SG0393

ADDITIONAL AIR SAMPLES PULLED DURING JOB AS # ~~1149~~ 1149A 0.00 DAC AS# 1150 0.00 DAC

TECHNICIAN [signature] SUPERVISOR [signature]

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JOB COVERAGE LOGSHEET **COPY** JC-400

LOGSHEET NO. 99 SG 0403

RWP#: 99-1110-01 TECHNICIAN: T. MOHNEY Date/Time: 10-15-99/1300 to 1500

DESCRIPTION OF WORK COVERED: U1 LOWER CMT ROVER

LOCATION: U1 LOWER CMT

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <0.2 to 10 mREM/hr

CONTACT DOSE RATE(S): N/A

INST. TYPE: RSO50E INST #: RSO 353

G/A SMEARABLE CONTAMINATION: <1K to 10Kdpm/100cm2

EQUIP. EXT. CONTAMINATION: N/A

EQUIP. INT. CONTAMINATION:

INST. TYPE: RM-20 INST #: RM-20 2231

WORK AREA

☐ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ■ CONFINED AREA

☐ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: N/A

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

■ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

■ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #:

RESULTS IN MICRO ci/cc AND DAC'S N/A

RESP. WORN? ☐ Y ☐ N

HEPA USED? ☐ Y ☐ N

P.C.'S

DRESS CODE USED LM A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: N/A

COMMENTS / MAP SPACE

1345 99-1106-01 Carpenters in to build Frame for Asbestos tent by #4 S/G 2 to 6 mREM/hr <1K to 5Kdpm/100cm2

1350 99 1106-01 Workers in to tape up sharp Edges on Scaffold Around #1 S/G And #4 S/G <0.2 to 12 mREM/hr <1K to 25Kdpm/100cm2

TECHNICIAN T. MOHNEY SUPERVISOR [illegible]

67

COPY

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99560404

RWP#: 99-1110-01 TECHNICIAN: L. Mahney Date/Time: 10/15/99 1500/1800

DESCRIPTION OF WORK COVERED:
Rover

LOCATION:
unit one lower cmt

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <0.2 - 10
CONTACT DOSE RATE(S): <0.2 - 10
INST. TYPE: RSO INST #: 353
G/A SMEARABLE CONTAMINATION: <1k - 4k
EQUIP. EXT. CONTAMINATION: <1k - 4k
EQUIP. INT. CONTAMINATION: N/A
INST. TYPE: RM-14 INST #: 8809

WORK AREA

[x] EASILY ACCESSABLE [x] OVERHEAD AREA [ ] UNDER GRATING [ ] CONFINED AREA
[x] DRY [ ] WET [ ] OILY [ ] BORIC ACID COVERED
COMMENTS: N/A

POSTING

[ ] RADIATION AREA
[x] HIGH RADIATION AREA
[ ] EXTREME HIGH RADIATION AREA
[x] CONTAMINATION AREA
[ ] AIRBORNE RADIOACTIVITY AREA
[ ] HIGH CONTROLLED SURFACE C.A.
[ ] NEUTRON RADIATION AREA
[ ] RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: N/A [ ] HI VOL [ ] LO VOL [ ] GILLIAN INST #:
RESULTS IN MICRO cl/cc AND DAC'S
RESP. WORN? [ ] Y [ ] N
HEPA USED? [ ] Y [ ] N
N/A

P.C.'S

DRESS CODE USED
N.A. A, B, C, D1
D2, E OR F
ADDITIONAL ITEMS:
N/A

COMMENTS / MAP SPACE

99-1106-01 scaffold crew to 1 & 4 S/G's to tape up sharp edges on scaffolding - TYPE M
99-1106-01 Asbestos crew in for walkdown to familiarize NIGHTSHIFT PERSONNEL WITH SETUP, TYPE L
99-1007-01 walkdown Dampers & check tags -, unit two TECH with them with key to CAGE DOOR by #2 RCP entrance. TYPE L
99-1106-01 Scaffold foreman to inspect/Mag tags on scaffold TYPE M.

TECHNICIAN [signature] SUPERVISOR [signature]

6/6

JOB COVERAGE LOGSHEET

COPY JC-400

LOGSHEET NO. 99 66 0406

RWP#: 99-1110-01 TECHNICIAN: K. GRUZINSKI Date/Time: 10/15/99 @ 1810 to 2030

DESCRIPTION OF WORK COVERED: CONTAINMENT ROVER

LOCATION: UNIT 1 / LOWER CTMT

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): 2-10 mr/hr.

CONTACT DOSE RATE(S): 5mr/hr on #3 S/G

INST. TYPE: RSO INST #: 836

G/A SMEARABLE CONTAMINATION: <1K to 1K under insulation

EQUIP. EXT. CONTAMINATION: N/A

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: RM14 INST #: 8809

WORK AREA

☐ EASILY ACCESSABLE ☑ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☑ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: Non-Asbestos Insulation Removal #2/#3 S/G

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☑ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☑ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: 1152 ☐ HI VOL ☐ LO VOL ☑ GILLIAN INST #: GMS-15946

RESULTS IN MICRO cl/cc AND DAC'S: No - Peak Found.

RESP. WORN? ☑ Y ☐ N

HEPA USED? ☐ Y ☑ N

P.C.'S

DRESS CODE USED: M* A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: Tyvek & Barrier suits worn for insulation removal.

COMMENTS / MAP SPACE

- RWP #1106-04: Remove Non-Asbestos insulation from #2 & #3 S/G, 5mr/hr contact under insulation ... <1 to 1K dpm smearable under insulation.
- RWP #1106-01: Carpenters & laborers in containment taping edges & safe work area walk down.

A/S # 1153 ☑ Lo-Vol Inst. # LV-1002 Result: 1.28 11 0.00 DAC

TECHNICIAN SUPERVISOR

65

COPY

JOB COVERAGE LOGSHEET

LOGSHEET NO. 99560408

RWP#: 99111001 TECHNICIAN: J LANCASTER Date/Time: 10/15/99 1700-2030

DESCRIPTION OF WORK COVERED: RP Rover

LOCATION: U-1 U/L CTMT

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): .1 TO 0.2 mR/HR

CONTACT DOSE RATE(S): N/A

INST. TYPE: RSO 50 INST #: 330

G/A SMEARABLE CONTAMINATION: 2K dpm/100cm² under grating next to dog house 21K dpm/100cm² GA

EQUIP. EXT. CONTAMINATION: N/A

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: RM 14 INST #: 8697

WORK AREA

☒ EASILY ACCESSABLE ☒ OVERHEAD AREA ☒ UNDER GRATING ☐ CONFINED AREA

☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: N/A

POSTING

☒ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☐ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☒ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

~~A/S #:~~ ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #:

~~RESULTS IN MICRO cc/cc AND DAC'S~~ RESP. WORN? ☐ Y A ☐ N

~~HEPA USED?~~ ☐ Y ☐ N

P.C.'S

DRESS CODE USED M A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: N/A

COMMENTS / MAP SPACE

1730 Received turnover set up in controlled Area in the Aux bay next to the rollup door all massilinns <100cpm / large area smear M

1830 (99110601) Carps up to build a hand rail o/s Biological Barrel (99111504) o/s CTMT - Scaffold under Grating on 701'1" at the Dog house Top and Scaffold up at the ~~Containment~~ containment spray Line M

1950 surveyed drink station <100cpm / large area massilinns

2000 (99110601) NSC removing Insulation from U/L CTMT through RCP Hatch by HP Station - Double bagging it Deconner removed laundry from U/L CTMT M

TECHNICIAN [signature] SUPERVISOR Ken Gagan

64

JOB COVERAGE LOGSHEET COPY JC-400

LOGSHEET NO. 99-SG-0411

RWP#: 99-1110-01 TECHNICIAN: R. Sherman Date/Time: 10-15-99 2030-2330

DESCRIPTION OF WORK COVERED: Insulation Removal from S/G # 1-2 & 1-3

LOCATION: Unit 1 Lower CTMT

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): 2-10 mr/hr

CONTACT DOSE RATE(S): N/A

INST. TYPE: RSO INST #: 336

G/A SMEARABLE CONTAMINATION: <1K - 2K

EQUIP. EXT. CONTAMINATION: N/A

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: Rm 14 INST #: 8809

WORK AREA

☐ EASILY ACCESSABLE ☑ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☑ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS:

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☑ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☑ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: ☐ HI VOL ☐ LO VOL ☑ GILLIAN INST #: GAS-15946

RESULTS IN MICRO cl/cc AND DAC'S

RESP. WORN? ☑ Y ☐ N

HEPA USED? ☐ Y ☑ N

P.C.'S

DRESS CODE USED: H# A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: * Tyvek suits worn for insulation removal

COMMENTS / MAP SPACE

99-1106-04 Removal of Insulation from # 1-2 & 1-3 S/G

99-1106-01 Laborers doing head bump walk-Downs

TECHNICIAN [signature] SUPERVISOR [signature]

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COPY

JC-400

JOB COVERAGE LOGSHEET

LOGSHEET NO. 99S~~0444~~ 0415 10/16/99

RWP#: 99/110-01 TECHNICIAN: L. Mahney Date/Time: 1200 - 1500 10/16/99

DESCRIPTION OF WORK COVERED: Rover

LOCATION: UNIT ONE LOWER CTMT

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <0.2 - 10

CONTACT DOSE RATE(S): <0.2 - 10

INST. TYPE: RSO INST #: 344

G/A SMEARABLE CONTAMINATION: <1K - 4K

EQUIP. EXT. CONTAMINATION: <1K - 4K

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: LM-20 INST #: 231

WORK AREA

■ EASILY ACCESSABLE ■ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

■ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: N/A

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

■ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

■ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: N/A ☐ HI VOL ☐ LO VOL ☐ GILLLIAN INST #:

RESULTS IN MICRO ci/cc AND DAC'S: N/A

RESP. WORN? ☐ Y ☐ N

HEPA USED? ☐ Y ☐ N

P.C.'S

DRESS CODE USED: ML A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: N/A

COMMENTS / MAP SPACE

99-1106-01 Electrician in for Relamping STRINGERS & for Hanging additional stringers. TYPE A

99-1115-01 - Scaffold Personnel to Retrieve material to take to Ring header work in upper level. TYPE A

99-1106-01 Asbestos crew to tape up tent. TYPE C

Backlog Previous Survey Results

TECHNICIAN [signature] SUPERVISOR [signature]

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JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99SGD419

RWP#: 99-1110-01 TECHNICIAN: J. Hoff Date/Time: 10-16-99/1500

DESCRIPTION OF WORK COVERED: RP ROVER

LOCATION: U-1 CTMT L/L 612'

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): 0.2-15 mR/HR

CONTACT DOSE RATE(S): NA

INST. TYPE: RSO INST #: 344

G/A SMEARABLE CONTAMINATION: 21K-2K DPM/100cm²

EQUIP. EXT. CONTAMINATION: NA

EQUIP. INT. CONTAMINATION: NA

INST. TYPE: DM-20 INST #: 231

WORK AREA

■ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☐ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: NA

POSTING

☐ RADIATION AREA

■ HIGH RADIATION AREA

☐ EXTREME HIGH RADIATION AREA

■ CONTAMINATION AREA

☐ AIRBORNE RADIOACTIVITY AREA

☐ HIGH CONTROLLED SURFACE C.A.

☐ NEUTRON RADIATION AREA

☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: NA ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #:

RESULTS IN MICRO cl/cc AND DAC'S: NA

RESP. WORN? ☐ Y ☐ N

HEPA USED? ☐ Y ☐ N

P.C.'S

DRESS CODE USED: L&M A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS:

COMMENTS / MAP SPACE

1610 Rwp. 99-1106-01 Temp. Lights Touring CTMT

TECHNICIAN J. Hoff SUPERVISOR [signature] 10/17/99

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Rev. 7

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COPY

JOB COVERAGE LOGSHEET

LOGSHEET NO. 99SG0419

RWP#: 99-1110-01 TECHNICIAN: J. Huff Date/Time: 10-16-99/1500

DESCRIPTION OF WORK COVERED: RP ROVER

LOCATION: U-1 CTMT L/L 612'

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): 0.2-15 mR/HR

CONTACT DOSE RATE(S): NA

INST. TYPE: RSO INST #: 344

G/A SMEARABLE CONTAMINATION: 21K-2K Dpm/100cm²

EQUIP. EXT. CONTAMINATION: NA

EQUIP. INT. CONTAMINATION: NA

INST. TYPE: RM-20 INST #: 231

WORK AREA

■ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☐ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: NA

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

■ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

■ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: NA ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #:

RESULTS IN MICRO cl/cc AND DAC'S NA

RESP. WORN? ☐ Y ☐ N

HEPA USED? ☐ Y ☐ N

P.C.'S

DRESS CODE USED L&M A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS:

COMMENTS / MAP SPACE

1610 Rwp. 99-1106-01 Temp. Lights Touring CTMT

TECHNICIAN J. Huff SUPERVISOR [signature] 10/17/99

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COF 00400

JOB COVERAGE LOGSHEET

LOGSHEET NO. 995G 04-20

RWP#: 991106-04 TECHNICIAN: J. OLIVER Date/Time: 10-16-99 2030 - 2330

DESCRIPTION OF WORK COVERED: INSULATION REMOVAL

LOCATION: UNIT 1 LOWER CTMT #2 & #3 S/G

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <1 - 9

CONTACT DOSE RATE(S): NA

INST. TYPE: R50 50 INST #: 837

G/A SMEARABLE CONTAMINATION: <1K IN WORK AREA

EQUIP. EXT. CONTAMINATION: <1K ON #3 S/G AFTER INSULATION REMOVAL

EQUIP. INT. CONTAMINATION: NA

INST. TYPE: RM 14 INST #: 8809

WORK AREA

☐ EASILY ACCESSABLE ☒ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: N/A

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☒ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☒ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: 1161 ☐ HI VOL ☐ LO VOL ☒ GILLIAN INST #: GAS 17827

RESULTS IN MICRO cl/cc AND DAC'S

CS 137 - 1.75 E-9 / 0.029 DAC

RESP. WORN? ☒ Y ☐ N

HEPA USED? ☐ Y ☒ N

NOTE - RESP. WORN FOR INDUSTRIAL HYGENE PURPOSES ONLY

P.C.'S

DRESS CODE USED: M A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: TYVEK SUITS

COMMENTS / MAP SPACE

991106-04 - WORKERS CONTINUE TO REMOVE INSULATION FROM #3 S/G - <1 mR/HR - <1K DPM/100 cm²
BREATHING ZONE A/S STARTED (SEE ABOVE) ALSO
G/A AIR SAMPLE STARTED - INST # LV1002 -
A/S # -1160
RESULT IN DAC = ~~0.029~~ 0.00
CS137 ~~1.75 E-9~~ 7.12E-11

991110-01 - CARPENTERS INSTALLING RUBBER PADS ON WALK BOARDS ON # 1 & #2 S/G SCAFFOLDING.
<1 - 10 mR/HR - <1K

TECHNICIAN: J. Oliver SUPERVISOR: [signature] 10/17/99

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COPY

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99 SE 0421

RWP#: 99-1110-01 TECHNICIAN: K. GRUZINSKI Date/Time: 10-16-99 1730 to 2030

DESCRIPTION OF WORK COVERED: CONTAINMENT ROVER

LOCATION: U1 / LOWER CTMT #2 & #3 S/G

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <1 - 10 mR/HR

CONTACT DOSE RATE(S): NOT TAKEN

INST. TYPE: RSO INST #: 837

G/A SMEARABLE CONTAMINATION: PLATFORM BELOW 260/SIDE MANWAY 6-10K

EQUIP. EXT. CONTAMINATION: NA

EQUIP. INT. CONTAMINATION: S/G #3 POST INSTALATION REMOVAL <1 - 2K

INST. TYPE: RM14 INST #: 8809

WORK AREA

☐ EASILY ACCESSABLE ☑ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☑ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: NON-ASBESTOS INSULATION REMOVAL

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☑ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☑ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: 1159 ☐ HI VOL ☐ LO VOL ☑ GILLIAN INST #: GAS-16946

RESULTS IN MICRO cl/cc AND DAC'S

NO PEAKS, 0.00 DAC'S

RESP. WORN? ☑ Y ☐ N

HEPA USED? ☐ Y ☑ N

P.C.'S

DRESS CODE USED

M* A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS:

* TYVEK SUIT'S FOR INSULATION REMOVAL.

COMMENTS / MAP SPACE

- 99-1106-04 : REMOVE NON-ASBESTOS INSULATION FROM TOP-O-GEN. #3 to JUST BELOW 260/SIDE S/G MANWAYS.
- 99-1106-01 : LABORER'S IN TO PLACE SAFTY TAPE & STYRO. FOAM ON SCAFFOLD ENDS.

A/S# 1158 ☑ LO VOL INST. # 1002

7.14 E-11 Cs 137
2.78 E-11 Pb 214
0.13 DAC TOTAL

TECHNICIAN SUPERVISOR 10/17/99

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COPY

JOB COVERAGE LOGSHEET

LOGSHEET NO. 99 68 0423

RWP#: 99-1110-01 TECHNICIAN: K. GRUZINSKI Date/Time: 10-16-99 2330 to 10-17-99 0230

DESCRIPTION OF WORK COVERED: CONTAINMENT ROVER

LOCATION: U1/ LOWER CTMT #2 & #3 S/G

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <1. to 10mR/HR

CONTACT DOSE RATE(S): NOT TAKEN.

INST. TYPE: RSO INST #: 227

G/A SMEARABLE CONTAMINATION: PLATFORM BELOW 2ED/SDE MANWAY 6-10K

EQUIP. EXT. CONTAMINATION: NA

EQUIP. INT. CONTAMINATION: S/G #3 POST INSTALLATION REMOVAL <1-2K

INST. TYPE: RM N INST #: 8809

WORK AREA

☐ EASILY ACCESSABLE ☑ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☑ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: NON-ASBESTOS INSULATION REMOVAL

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☑ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☑ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: 1163 ☐ HI VOL ☐ LO VOL ☑ GILLIAN INST #: GAS-15803

RESULTS IN MICRO cl/cc AND DAC'S: No PEAKS FOUND 0.00 DAC

RESP. WORN? ☑ Y ☐ N

HEPA USED? ☐ Y ☑ N

P.C.'S

DRESS CODE USED: MX A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: * TYVEK SUITS WORN FOR INSULATION REMOVAL

COMMENTS / MAP SPACE

- 99-1106-04 : REMOVE NON-ASBESTOS INSULATION FROM # 3 S/G, TO JUST BELOW 2ED/SIDE S/G MANWAY.
- 99-1106-01 : LABORER'S IN TO PLACE SAFTEY TAPE & STYRO-FOAM ON SCAFFOLD ENDS.

TECHNICIAN [signature] SUPERVISOR [signature] 10/17/99

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COPY

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 9956-0423

RWP#: 99111001 TECHNICIAN: J. Lancaster Date/Time: 10/16/99 1700-2400

DESCRIPTION OF WORK COVERED: RP Rover

LOCATION: U-1 V/L CTMT

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <0.2 TO 1mr/HR

CONTACT DOSE RATE(S): N/A

INST. TYPE: RS050 INST #: 344.

G/A SMEARABLE CONTAMINATION: <1K dpm/100cm2

EQUIP. EXT. CONTAMINATION:

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: RM14 INST #: 8697

WORK AREA

☒ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: N/A

POSTING

☒ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☐ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☒ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

~~A/S #:~~ ~~☐ HI VOL ☐ LO VOL ☐ GILLLIAN~~ INST #:

~~RESULTS IN MICRO ci/cc AND DAC'S~~ A N

RESP. WORN? ☐ Y ☐ N

HEPA USED? ☐ Y ☐ N

P.C.'S

DRESS CODE USED A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: N/A

COMMENTS / MAP SPACE

2100 99110601 NSC Back up to continue Pulling Insulation from V/L CTMT.

2135 Carps (99111504) To Containment Spray lines to continue building Scaffold

TECHNICIAN [signature] SUPERVISOR [signature] 10/17/99

36

COPY

JOB COVERAGE LOGSHEET

LOGSHEET NO. 99560424

RWP#: 99111001 TECHNICIAN: J. Lancaster Date/Time: 10/16/99 1200-2400

DESCRIPTION OF WORK COVERED: RP Coverage

LOCATION: U-1 U/L CTMT

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <0.2 TO 1 mr/Hr

CONTACT DOSE RATE(S): N/A

INST. TYPE: RSO 50 INST #: 344

G/A SMEARABLE CONTAMINATION: <1K dpm/100cm²

EQUIP. EXT. CONTAMINATION: N/A

EQUIP. INT. CONTAMINATION:

INST. TYPE: RM 14 INST #: 8697

WORK AREA

☒ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: N/A

POSTING

☒ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☐ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☒ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

~~A/S #:~~ ~~☐ HI VOL ☐ LO VOL ☐ GILLIAN~~ INST #:

RESULTS IN MICRO ci/cc AND DAC'S N ~~RESP. WORN? ☐ Y ☐ N~~ ~~HEPA USED? ☐ Y ☐ N~~

P.C.'S

DRESS CODE USED M A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: N/A

COMMENTS / MAP SPACE

1730 99110601 NSC TO U/L #2 S/G /RCP Hatch To remove Insulation from L/L CTMT

1800 IW's (99111401) TO U/L CTMT TO continue to work on Track M

~~HHH O~~ M 10/16/99

1830 99111504 carps to Containment Spray line to build Scaffold

1943 (99110201) - Told these Labs TO be on 99110301 for CTMT work - They just hung a sign and are leaving - Informed Front Desk at Ext (2505)

TECHNICIAN [signature] SUPERVISOR [signature] 10/17/99

COPY 55

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 9956-0425

RWP#: 99111001 TECHNICIAN: J. Lancaster Date/Time: 10/17/99 0000 - 0330

DESCRIPTION OF WORK COVERED: RP Rover

LOCATION: U-1 U/L CTMT

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <0.2 to 1 mr/hr

CONTACT DOSE RATE(S):

INST. TYPE: RSO 50 INST #: 344

G/A SMEARABLE CONTAMINATION: <1K dpm/100cm²

EQUIP. EXT. CONTAMINATION:

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: RM14 INST #: 8697

WORK AREA

☒ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: N/A

POSTING

☒ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☐ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☒ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #:

RESULTS IN MICRO cf/cc AND DAC'S: N/A

RESP. WORN? ☐ Y ☐ N

HEPA USED? ☐ Y ☐ N

P.C.'S

DRESS CODE USED: M A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: N/A

COMMENTS / MAP SPACE

0045 ASC (99110601) To U/L CTMT to receive bags from U/L CTMT and put them into the Secy/Lab Van M

0056 Carps (99111501) back to CTMT spray line to continue erecting scaffold M

0130 Large area smear of Water station <100cpm / Large area massilin M

0330 All craft out of U/L CTMT M

TECHNICIAN [signature] SUPERVISOR [signature] 10-17-99

COPY 53

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 995G0426

RWP#: 991106-04 TECHNICIAN: J. OLIVER Date/Time: 10-17-99 0230-0550

DESCRIPTION OF WORK COVERED: INSULATION REMOVAL - SCAFFOLDING

LOCATION: UNIT 1 LOWER CTMT #1-2-3-4 S/G

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <1 - 10

CONTACT DOSE RATE(S): NA

INST. TYPE: RSO 5D INST #: 137

G/A SMEARABLE CONTAMINATION: <1K - 2K

EQUIP. EXT. CONTAMINATION: N/A

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: RMH INST #: 8809

WORK AREA

☐ EASILY ACCESSABLE ☒ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: N/A

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☒ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☒ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: 1164 ☐ HI VOL ☒ LO VOL ☐ GILLIAN INST #: LV 1002

RESULTS IN MICRO cl/cc AND DAC'S

Cs 137 4.32E-11 - 0.00 DAC

RESP. WORN? ☒ Y ☐ N

HEPA USED? ☐ Y ☒ N

RESPS USED FOR INDUSTRIAL HYGIENE

P.C.'S

DRESS CODE USED: NA A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: TYVEK

AIRPURS ONLY - FOR REMOVING NON ASBESTOS INSULATION

COMMENTS / MAP SPACE

991106-04 - DOC SURVEY AFTER RING OF INSULATION WAS REMOVED FROM S/G #3 - <1.2 mR/HR - <1K-2K dpm/100 cm2
SEE LOG # 995G0427

991110-01 - CARPENTERS INSTALLING RUBBER MATTING ON SCAFFOLD BOARDS ON #1 & #4 S/G.

TECHNICIAN [signature] SUPERVISOR [signature] 10-17-99

RADIOLOGICAL AREA STATUS SHEET 53

AREA DESCRIPTION UNIT 1 LOWER CTMT - #3 S/G

MAP NO.

AREA CLASSIFICATION
- [ ] RADIATION
- [x] HIGH RADIATION
- [ ] EXTREME HIGH RADIATION
- [x] CONTAMINATION
- [ ] AIRBORNE RADIOACTIVITY

REMARKS
LOG #-99SG0427

METER TYPE/NO.
RSO 50 - 837
RM 14 - 8809

UNLESS NOTED: * DENOTES CONTACT/30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL, & CONTAMINATION IN DPM/100CM

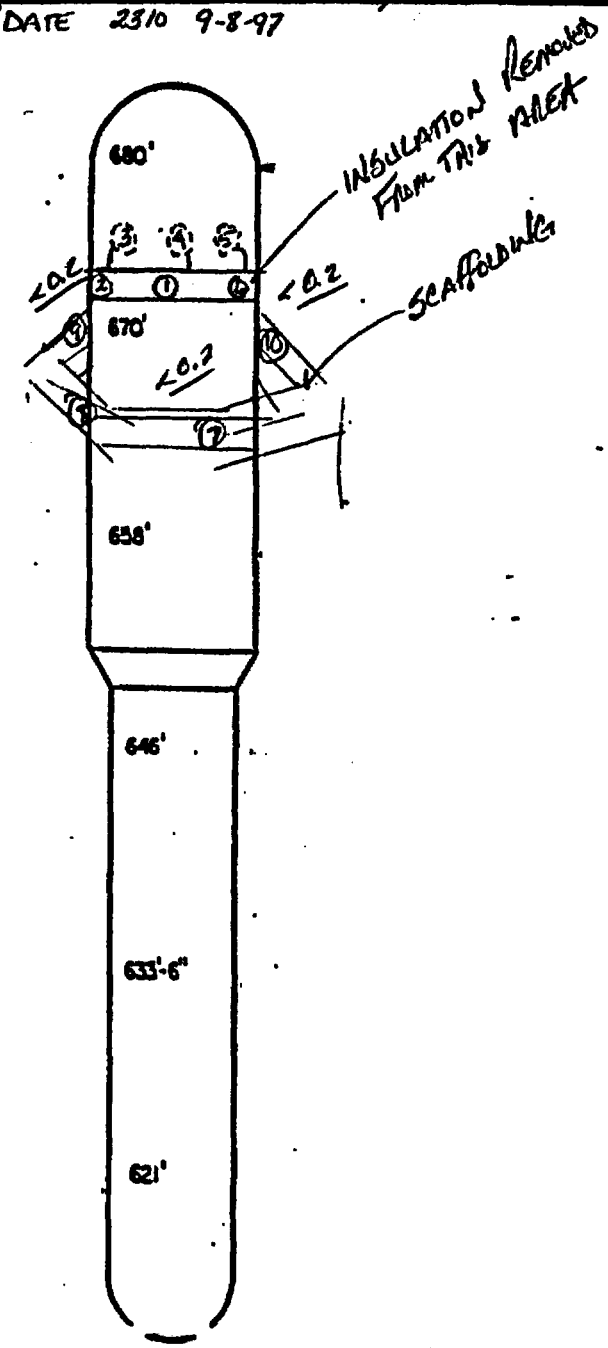
REASON FOR SURVEY
INVESTIGATIVE AFTER RING OF NON ASBESTOS INSULATION WAS REMOVED

RWP USED: 99-1406-04

SURVEYED BY J. OLIVER | TIME 0240 | DATE 10-17-99

REVIEWED BY [illegible] | DATE 10-17-99

MODE 6 SHUTDOWN TIME/DATE 2310 9-8-97



	CONTAMINATION	REMARKS
1	1K	/S/G
2	1K	/S/G
3	<1K	/S/G
4	<1K	/S/G
5	1K	/S/G
6	<1K	/S/G
7	2K	/SCAFFOLD
8	1K	/SCAFFOLD
9	<1K	/SCAFFOLD
10	1K	/SCAFFOLD
11	N	/
12		/
13		/
14		/
15		/
16		/
17		/
18		/
19		/
20		/
21		/
22		/
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26		/
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29		/
30		/

52

COPY

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99SG0443

ORIGINAL • FILE

RWP#: 99-1110-01 TECHNICIAN: J Huff Date/Time: 10-18-99/0925

DESCRIPTION OF WORK COVERED: RP Rover

LOCATION: U-1 UPPER level CTMT 650'

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): 0.2 - 4 mR/HR

CONTACT DOSE RATE(S): NA

INST. TYPE: RSO INST #: 043

G/A SMEARABLE CONTAMINATION: <1K Dpm/100cm²

EQUIP. EXT. CONTAMINATION: NA

EQUIP. INT. CONTAMINATION: NA

INST. TYPE: Rm-14 INST #: 8697

WORK AREA

■ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☐ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: NA

POSTING

■ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☐ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☐ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIR SAMPLE

A/S #: NA ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #:

RESULTS IN MICRO cl/cc AND DAC'S

RESP. WORN? ☐ Y ☐ N

HEPA USED? ☐ Y ☐ N

NA

P.C.'S

DRESS CODE USED: L&M A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: NA

COMMENTS / MAP SPACE

0940 Rwp. 99-1106-01 (Electrician) Hanging hold tag on #3 S/G cooler conjunction box. <1K - 20K Dpm/100cm² 0.2 - 0.8 mR/HR G/A.

1025 Rwp. 99-1116-01 (Carpenters) Building scaffolding around 2 & 3 S/G coolers.

1030 Rwp. 99-1116-01 (Electrician) Supv. Inspecting All (4) S/G coolers, for future removal of the electrical conjunction boxes

1035 Rwp 99-1115-04 (Carpenters) Building scaffolding to support removal of the CTMT spray piping. <1K - 10K Dpm/100 cm² & 0.2 mR/HR G/A.

TECHNICIAN J. Huff SUPERVISOR [illegible]

57

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99560446

RWP#: 991106 TECHNICIAN: BRADY Date/Time: 10/18/99 0700 – 0900

DESCRIPTION OF WORK COVERED: UNIT #1 CONTAINMENT ROVER RAD-PRO DUTIES

LOCATION: UNIT #1 CONTAINMENT / LOWER CONTAINMENT AREAS

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <0.2 mR UP TO 15 mR/HR

CONTACT DOSE RATE(S): <0.2 mR/HR UP TO 20 mR/HR (OF GENERATORS)

INST. TYPE: RSO50E INST #: 750

G/A SMEARABLE CONTAMINATION: <1000 DPM UP TO 4000 DPM/100 cm2

EQUIP. EXT. CONTAMINATION: <1000 DPM/100 cm2

EQUIP. INT. CONTAMINATION: <1000 DPM/100 cm2

INST. TYPE: ~~RO-14/NBH~~ RM20 INST #: 231

WORK AREA

☒ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS:

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☒ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☒ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: N/ ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #:

RESULTS IN MICRO cl/cc AND DAC'S /4

RESP. WORN? ☐ Y ☒ N

HEPA USED? ☐ Y ☒ N

P.C.'S

DRESS CODE USED L A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS:

COMMENTS / MAP SPACE

RWP 991106 ASBESTOS SUPERVISOR IN TO PERFORM VISUAL INSPECTION ON ABATEMENT TENTS AT S/G #2 & #3.

NO OTHER ENTRIES DURING 0700-0900 SHIFT

TECHNICIAN BRADY SUPERVISOR [illegible]

50

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99560447

RWP#: 991106 TECHNICIAN: BRADY Date/Time: 10/18/99 000-1500

DESCRIPTION OF WORK COVERED:
UNIT #1 CONTAINMENT ROVER RAD-PRO DUTIES

LOCATION: UNIT #1
CONTAINMENT / LOWER CONTAINMENT DUTIES AND AREA

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <0.2 mR UP TO 15 mR/HR
CONTACT DOSE RATE(S): 20 mR/HR (MAXIMUM @ GENERATORS)
INST. TYPE: RS050E INST #: 750
G/A SMEARABLE CONTAMINATION: <1000 DPM UP TO 14000 DPM/100 cm2
EQUIP. EXT. CONTAMINATION: <1000 DPM/100 cm2 - 20,000 DPM/100 cm2
EQUIP. INT. CONTAMINATION: <1000 DPM/100 cm2
INST. TYPE: RM-20 INST #: 231

WORK AREA

☒ EASILY ACCESSABLE ☒ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA
☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS:

POSTING

☐ RADIATION AREA
☒ HIGH RADIATION AREA
☐ EXTREME HIGH RADIATION AREA
☒ CONTAMINATION AREA
☐ AIRBORNE RADIOACTIVITY AREA
☐ HIGH CONTROLLED SURFACE C.A.
☐ NEUTRON RADIATION AREA
☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: N/A ☐ HI VOL ☐ LO VOL ☐ GILLLIAN INST #:
RESULTS IN MICRO cl/cc AND DAC'S
RESP. WORN? ☐ Y ☒ N
HEPA USED? ☐ Y ☒ N

P.C.'S

DRESS CODE USED
____ A, B, C, D1
D2, E OR F

ADDITIONAL ITEMS:

COMMENTS / MAP SPACE

RWP 1113:01 2 SNUBBER TECHS INTO REMOVE 3 FEED WATER SNUBBER: S/G #1 625' AND ABOVE, AND ALSO REMOVE 1 SNUBBER OFF OF S/G #4 @ PUMP PLATFORM.

RWP 991106: INSULATORS BACK INTO PATCH UP ABATEMENT TENTS FOR FUTURE TENT: CONTAINMENT QUALIFICATION. WORK AREA = @ S/G #2 & #3.

RWP 991106: SAFTEY REP INTO SET UP AIR SAMPLING MONITORS FOR FUTURE ABATEMENT WORK. S/G #2 & #3.

TECHNICIAN [signature] SUPERVISOR [signature]

JOB COVERAGE LOGSHEET **COPY** JC-400

LOGSHEET NO. 99560495

991114/991106

RWP#: 991116/1110 TECHNICIAN: BEADY/Broadhurst Date/Time: 10/21/99 0900-1200

DESCRIPTION OF WORK COVERED: UNIT #1 UPPER CONTAINMENT/POWER TECH (RAD-PRO) DUTIES

LOCATION: UNIT #1 UPPER CONTAINMENT

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <0.2 mR UP TO 1 mR/HR

CONTACT DOSE RATE(S): 1 mR/HR

INST. TYPE: ESO 50 E INST #: 040

G/A SMEARABLE CONTAMINATION: <1000 DPM UP TO 10,000 DPM/100 cm2

EQUIP. EXT. CONTAMINATION: <1000 DPM/100 cm2

EQUIP. INT. CONTAMINATION: <1000 DPM/100 cm2

INST. TYPE: Em 14 INST#: 8697

WORK AREA

[x] EASILY ACCESSABLE [x] OVERHEAD AREA [x] UNDER GRATING [ ] CONFINED AREA

[x] DRY [ ] WET [ ] OILY [ ] BORIC ACID COVERED

COMMENTS: N/A

POSTING

[x] RADIATION AREA [ ] AIRBORNE RADIOACTIVITY AREA

[ ] HIGH RADIATION AREA [ ] HIGH CONTROLLED SURFACE C.A.

[ ] EXTREME HIGH RADIATION AREA [ ] NEUTRON RADIATION AREA

[x] CONTAMINATION AREA [ ] RESTRICTED AREA ONLY

AIRBORNE

A/S #: N/A [ ] HI VOL [ ] LO VOL [ ] GILLIAN INST #:

RESULTS IN MICRO cl/cc AND DAC'S N/A

RESP. WORN? [ ] Y [x] N

HEPA USED? [ ] Y [x] N

P.C.'S

DRESS CODE USED: M.L A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS:

COMMENTS / MAP SPACE

RWP 991106: INSULATORS INSTALLING 2-2000 CFM HEPA VENTILATORS VIA: 650' TO LOWER CNTMT. TO SUPPORT ABATMENT.

RWP 991114: IRON WORKERS SETTING 001 TRACK WAY STILL IN PROGRESS

RWP 991116: FITTERS FINISHING UP CHILLER DRAIN LINE CUTS AND TAC WELDING LIFTING FIXTURES ON TO COOLERS, FOR FUTURE DEPLOYMENT. WELD <100 CPM LARGE AREA MASSLINS (AREAS <100 CPM DIRECT FRISK.

RWP 991116: CARPENTERS STILL IN PROGRESS. AROUND CHILLERS BUILDING SUPPORT PLATFORMS ELECTRICAL & PIPE SUPPORT.

Broadhurst/[illegible]

BEADY [signature]

TECHNICIAN SUPERVISOR [signature]

48

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99 S/G 0518

RWP#: 99-1106 TECHNICIAN: [illegible] Date/Time: 10-22-99 / 2030

DESCRIPTION OF WORK COVERED: ALARA INVESTIGATION OF DOSE RATES @ #12 S/G IN OVHD AT BAGOUT AIRLOCK TO 650' UPPER CONTAINMENT

LOCATION: ~ 635' LOWER CONTAINMENT

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): 4 mREM/HR MAXIMUM

CONTACT DOSE RATE(S): 10 mREM/HR CONTACT w/ #12 S/G

INST. TYPE: RSD SUE INST #: RSD-330 CAL DUE DATE 6-30-2000

G/A SMEARABLE CONTAMINATION: N/A

EQUIP. EXT. CONTAMINATION: N/A

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: N/A INST #: N/A

WORK AREA

☒ EASILY ACCESSABLE ☒ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: INSIDE ASBESTOS (NOT POSTED) TENT FOR 12 + 13 S/G'S

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☒ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☒ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: N/A ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #: N/A

RESULTS IN MICRO cl/cc AND DAC'S N/A

RESP. WORN? ☐ Y ☒ N

HEPA USED? ☐ Y ☒ N

P.C.'S

DRESS CODE USED L A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: N/A

COMMENTS / MAP SPACE

Performed survey to evaluate dose rates in tent at bagout area. This area is continuously manned during insulation removal. Shielding is not a viable option. The Steam Generator is the source of radiation. Minimizing time in the work area is the the solution to minimizing dose.

TECHNICIAN [illegible] SUPERVISOR [illegible]

47

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 995G 0520

RWP#: 991106-01 TECHNICIAN: J. OLIVER Date/Time: 10-22-99 2030-2330

DESCRIPTION OF WORK COVERED: ASBESTOS TENT ASSEMBLY 1/4 S/G INSTALLING HEPAS IN #3 RCP HATCH

LOCATION: 41-1 LOWER CTMT

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): 2-10

CONTACT DOSE RATE(S): NA

INST. TYPE: RSO 50 INST #: 536

G/A SMEARABLE CONTAMINATION: <1K

EQUIP. EXT. CONTAMINATION: N/A

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: RXM INST #: 8809

WORK AREA

☐ EASILY ACCESSABLE ☒ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: N/A

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☒ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☒ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: NA ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #:

RESULTS IN MICRO cl/cc AND DAC'S: N/A

RESP. WORN? ☐ Y ☒ N

HEPA USED? ☐ Y ☒ N

P.C.'S

DRESS CODE USED: NA A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: SHOE COVERS - GLOVES

COMMENTS / MAP SPACE

2110 - NSC RETURNS TO CONTINUE INSTALLING ASBESTOS TENT FOR #1 + #4 S/G.

2140 - (4) 2000 HEPAS SET IN #3 RCP HATCH.

2225 - NSC TO RUN LINES FOR HEPA UNITS TO #2 + #3 S/G ASBESTOS TENT.

ALL WORK BEING WORKED UNDER RWP 991106-01

TECHNICIAN J. Oliver SUPERVISOR Kim Gayon

COPY 45

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99560534

RWP#: 991106-01 TECHNICIAN: J. OLIVER Date/Time: 10-23-99 2030-2330

DESCRIPTION OF WORK COVERED: CTMT RP ROVER

LOCATION: UNIT 1, LOWER CTMT

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): 2-12

CONTACT DOSE RATE(S): NA

INST. TYPE: RSO 50 INST #: 353

G/A SMEARABLE CONTAMINATION: 21K - 12K

EQUIP. EXT. CONTAMINATION: N/A

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: RA 14 INST #: 8809

WORK AREA

☐ EASILY ACCESSABLE ☒ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: N/A

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☒ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☒ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIR SAMPLE

A/S #: NA ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #: NA

RESULTS IN MICRO cl/cc AND DAC'S: NA

RESP. WORN? ☐ Y ☒ N

HEPA USED? ☐ Y ☒ N

P.C.'S

DRESS CODE USED: A, B, C, D1, D2, E OR F

ADDITIONAL ITEMS: NA

COMMENTS / MAP SPACE

991106-01 - NSC WORKING ON ASBESTOS TENTS ON #1 & #4 S/G ALSO CHECKING #2 & #3 S/G TENT FOR HOLES.

2205 - 991103-01 - (8) LABORERS TO CTMT SUMP AREA TO INSTALL SCREENING OVER DRAIN FOR DEBRIS PROTECTION 2 mR/HR - 6 mR/HR · 8K - 12K DPM/100cm²

TECHNICIAN: [signature]

SUPERVISOR: [signature] 10/24/99

44

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99561051

RWP#: 991106-01 TECHNICIAN: J. Belanger Date/Time: 12:45 - 11/18/99

DESCRIPTION OF WORK COVERED: N/A

LOCATION: U-1 containment upper

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <.2

CONTACT DOSE RATE(S): <.2

INST. TYPE: RSO INST #: 338

G/A SMEARABLE CONTAMINATION: <1000

EQUIP. EXT. CONTAMINATION: <1000

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: RM-14 INST #: 8697

WORK AREA

[x] EASILY ACCESSABLE [ ] OVERHEAD AREA [ ] UNDER GRATING [ ] CONFINED AREA

[x] DRY [ ] WET [ ] OILY [ ] BORIC ACID COVERED

COMMENTS:

POSTING

[x] RADIATION AREA [ ] AIRBORNE RADIOACTIVITY AREA

[ ] HIGH RADIATION AREA [ ] HIGH CONTROLLED SURFACE C.A.

[ ] EXTREME HIGH RADIATION AREA [ ] NEUTRON RADIATION AREA

[ ] CONTAMINATION AREA [ ] RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: N/A [ ] HI VOL [ ] LO VOL [ ] GILLLIAN INST #: N/A

RESULTS IN MICRO ci/cc AND DAC'S

RESP. WORN? [ ] Y [ ] N

HEPA USED? [ ] Y [ ] N

P.C.'S

DRESS CODE USED: b A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS:

COMMENTS / MAP SPACE

Introduction of 4 (Four) HEPA units to be installed into S/G tent #1/4 for ventilation purposes.
The following units shall be entered on the verification sheet for weekly verifications.

1. 1530200 NAM #29
2) 1530200 NAM #30
3) 1530200 NAM #31
4) 1530200 NAM #32

TECHNICIAN John Belanger SUPERVISOR [signature]

RADIOLOGICAL AREA STATUS SHEET 4/3

AREA DESCRIPTION S/G PLATFORM NO. 1/4 UNIT NO. 1 | **MAP NO.** 139

AREA CLASSIFICATION
- ☐ RADIATION
- ☐ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☐ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS
See Job Coverage logsheet #9956-1060

METER TYPE/NO.
RSO-50E #351
RM14 # 8809

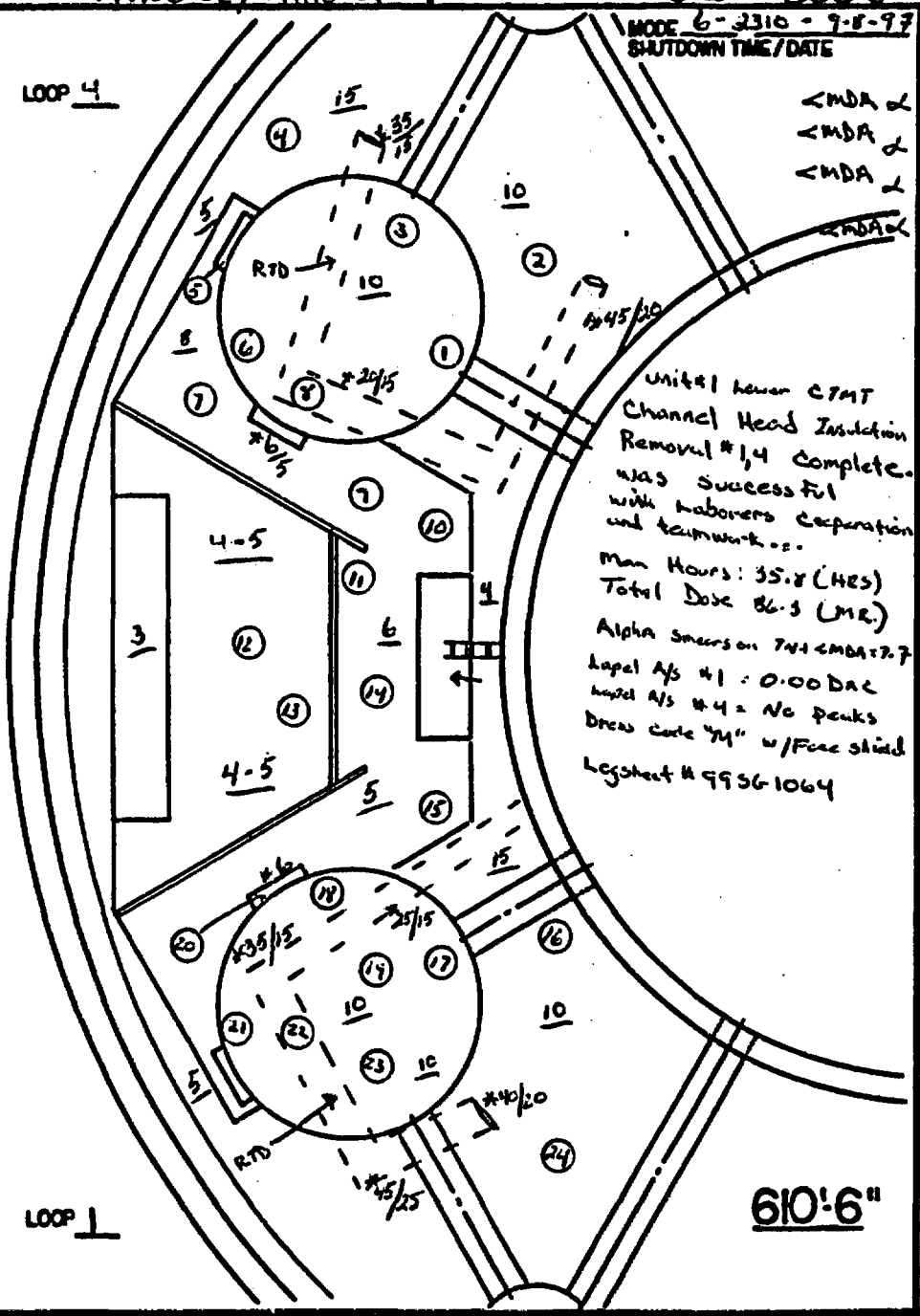
UNLESS NOTED: ✱ DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL. ©CONTAMINATION IN DPM/100 CM²

REASON FOR SURVEY
Post Insulation Removal "Channel Head"

RWP USED: 991106-02 / 991110-01

SURVEYED BY Mark Hohagen | **TIME** 0200 | **DATE** 11/19/99
REVIEWED BY Dean Cobb | **DATE** 11/19/99

MODE 6 - 2310 - 9-8-97
SHUTDOWN TIME/DATE



<MDA α
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<MDA α

Unit #1 Lower CTMT
Channel Head Insulation
Removal #1,4 Complete.
was Successful
with laborers cooperation
and teamwork...
Man Hours: 35.8 (HRS)
Total Dose 86.3 (MR.)
Alpha smears on 7N1 <MDA: 7.7
Lapel A/S #1 : 0.00 DAC
Lapel A/S #4 = No peaks
Dress code "M" w/Face shield
Logsheet # 9956-1064

CONTAMINATION / REMARKS

1	8,000	Insul
2	12,000	Insul
3	25,000	Bowl
4	7,000	Insul
5	8,000	Manway cover
6	10,000	Bowl
7	2,000	Floor
8	20,000	RTD line
9	3,000	Floor
10	2,000	Floor
11	15,000	Insul
12	4,000	Floor
13	40,000	Insul
14	8,000	Insul
15	10,000	Insul
16	3,000	Floor
17	12,000	Bowl
18	8,000	Bowl
19	6,000	Bowl
20	5,000	Manway cover
21	13,000	Bowl
22	15,000	RTD line
23	10,000	Bowl
24	12,000	Insul
25	N/A	
26		
27		
28		
29		
30		N/A

42

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99561076

RWP#: 99-110601 TECHNICIAN: HRTinnin Date/Time: 11/19/99 1700

DESCRIPTION OF WORK COVERED: Removal, bagged & put in SEALAND on AUX 650'

LOCATION: U-1 Upper CTMT

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): N/A

CONTACT DOSE RATE(S): <0.2 mrem/hr

INST. TYPE: RS050 INST #: 750

G/A SMEARABLE CONTAMINATION:

EQUIP. EXT. CONTAMINATION: <1000 dpm/100cm²

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: RM14 INST #: 8780

WORK AREA

☒ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: N/A

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☐ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☐ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #:

RESULTS IN MICRO ci/cc AND DAC'S N/A

RESP. WORN? ☐ Y ☐ N

HEPA USED? ☐ Y ☐ N

P.C.'S

DRESS CODE USED ____ A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: N/A

COMMENTS / MAP SPACE

99-1106-01 Non Asbestos Insulation removal from 1/4 s/c enclosure. Bagged and tagged and put in SEALAND on AUX 650'

99-1109-01 Escort laundry from AUX to CAF

TECHNICIAN [signature] SUPERVISOR [signature]

0015555.446

41

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99561157

RWP#: 99-1106-01 TECHNICIAN: J. Seitz Date/Time: 11/23/99 0600-1800

DESCRIPTION OF WORK COVERED:
Tag Asbestos bags from SG 1/4

LOCATION: U1 upper level Ct mt.

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <0.2

CONTACT DOSE RATE(S): <0.2

INST. TYPE: RSO INST #: 837

G/A SMEARABLE CONTAMINATION: <1K

EQUIP. EXT. CONTAMINATION: <1K

EQUIP. INT. CONTAMINATION: NA

INST. TYPE: Rm14 INST #: 8697

WORK AREA

☒ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA
☐ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS:

POSTING

☒ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA
☐ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.
☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA
☐ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: N/A ☐ HI VOL ☐ LO VOL ☐ GILLLIAN INST #:

RESULTS IN MICRO Ci/cc AND DAC'S

RESP. WORN? ☐ Y ☐ N
HEPA USED? ☐ Y ☐ N

P.C.'S

DRESS CODE USED
____ A, B, C, D1
D2, E OR F

ADDITIONAL ITEMS:

COMMENTS / MAP SPACE

tagged and place in seavan 412 bags of asbestos insulation from SG 1/4

TECHNICIAN J. Seitz SUPERVISOR [signature]

40

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99SG1318

RWP#: 99H06-04 TECHNICIAN: J. Selter Date/Time: 12-1-99 1530

DESCRIPTION OF WORK COVERED: NSC Equip

LOCATION: 650'

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): ~~N/A~~ 12-1-99 <.2

CONTACT DOSE RATE(S): <.2

INST. TYPE: RSO INST #: 353

G/A SMEARABLE CONTAMINATION: N/A

EQUIP. EXT. CONTAMINATION: No Detectable contamination found

EQUIP. INT. CONTAMINATION: No Detectable Contamination found

INST. TYPE: RM-14 INST #: 8670

WORK AREA

☒ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: NAM# 31 & 32 (HEPA's)

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☐ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☐ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: N/A ☐ HI VOL ☐ LO VOL ☐ GILLLIAN INST #: N/A

RESULTS IN MICRO cl/cc AND DAC'S

RESP. WORN? ☐ Y ☒ N

HEPA USED? ☐ Y ☒ N

P.C.'S

DRESS CODE USED N/A A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: N/A

COMMENTS / MAP SPACE

Released two Negative Air Machines for NSC (1000 cfm HEPA) from C-VAN on 650 NAM# 31 & 32

Direct frisk Performed on HEPA's & filter's No Detectable on direct frisk

Bkg = 60 cpm

TECHNICIAN J. Selter SUPERVISOR [illegible]

JOB COVERAGE LOGSHEET

JC-400 39

LOGSHEET NO. 99S/C 1649

RWP#: 99-1106-01 TECHNICIAN: A Avelar Date/Time: 12/14/99, 1130

DESCRIPTION OF WORK COVERED: DECON/Remove 2/3rd S/G HL, INSULATION

LOCATION: U-1, LLC, #2 S/G HL

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <2 — 30 mrem/Hr

CONTACT DOSE RATE(S): <100/30

INST. TYPE: RSO 50 E INST #: 354

G/A SMEARABLE CONTAMINATION: up to 10K dpm/100cm²

EQUIP. EXT. CONTAMINATION: up to 500K dpm/100cm²

EQUIP. INT. CONTAMINATION: up to 120K dpm/100cm²

INST. TYPE: RM-14 INST #: 8809

WORK AREA

☒ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS:

POSTING

☒ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☒ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☒ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRBORNE

A/S #: N/A ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #: N/A

RESULTS IN MICRO ci/cc AND DAC'S: N/A

RESP. WORN? ☐ Y ☒ N

HEPA USED? ☐ Y ☒ N

P.C.'S

DRESS CODE USED: L+M A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS:

COMMENTS / MAP SPACE

1106-01 INSULATION Removal, Decon 2 S/G HL; 60K-120K dpm/100cm² UPON INITIAL Removal. Was Deconned down on O/S to 60K dpm/100cm² From 500K dpm/100cm². STOPPED For Tech EVALUATION AND Regrouf.

1106-02 IW's, To Remove grating Just above S/G platform(2), 1K dpm/100cm² below grating. 10 mrem/Hr.

1106-01 SMW's, To remove Hanger @(2) S/G, ≈ 645'; 5-13 mrem/Hr. up to 1.5K dpm/100cm² on hanger. set up for removal.

TECHNICIAN A Avelar SUPERVISOR Joseph A Sellin

Grating

JOB COVERAGE LOGSHEET

JC-400 39

LOGSHEET NO. 99S/G 1689

RWP#: 99-1106-01 TECHNICIAN: A Auclair Date/Time: 12/14/99, 1130

DESCRIPTION OF WORK COVERED: Decon/Remove 2/3rd S/G HL, insulation

LOCATION: U-1, LLC, #2 S/G HL

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <2 — 30 mrem/Hr

CONTACT DOSE RATE(S): *100/30

INST. TYPE: RSO 50 E INST #: 354

G/A SMEARABLE CONTAMINATION: up to 10K dpm/100cm²

EQUIP. EXT. CONTAMINATION: up to 500K dpm/100cm²

EQUIP. INT. CONTAMINATION: up to 120K dpm/100cm²

INST. TYPE: RM-14 INST #: 8809

WORK AREA

☒ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS:

POSTING

☒ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☒ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☒ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRBORNE

A/S #: N/A ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #: N/A

RESULTS IN MICRO ci/cc AND DAC'S: N/A

RESP. WORN? ☐ Y ☒ N

HEPA USED? ☐ Y ☒ N

P.C.'S

DRESS CODE USED: L+M A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS:

COMMENTS / MAP SPACE

1106-01 Insulation Removal, Decon 2 S/G HL. 60K–120K dpm/100cm² upon initial removal. Was Deconed down on O/S to 60K dpm/100cm² from 500K dpm/100cm². Stopped for Tech Evaluation and Reg. Cns.

1106-02 IW's, to remove grating just above S/G platform (2), 1K dpm/100cm² below grating. 10 mrem/Hr.

1106-01 SMW's, to remove Hanger @ (2) S/G, ≈ 645'. 5-13 mrem/Hr. up to 1.5K dpm/100cm² on hanger. Set up for removal.

TECHNICIAN A Auclair SUPERVISOR [signature]

RADIOLOGICAL AREA STATUS SHEET 38

AREA DESCRIPTION 621' & 625' LEVELS UNIT NO. 1 | **MAP NO.** 136

AREA CLASSIFICATION
- ☐ RADIATION
- ☐ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☐ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS
Logsheet # 99SL-1710
~~A/S submitted to count room 12/15/99~~

METER TYPE / NO.
RM-20 8809
RSD - 334

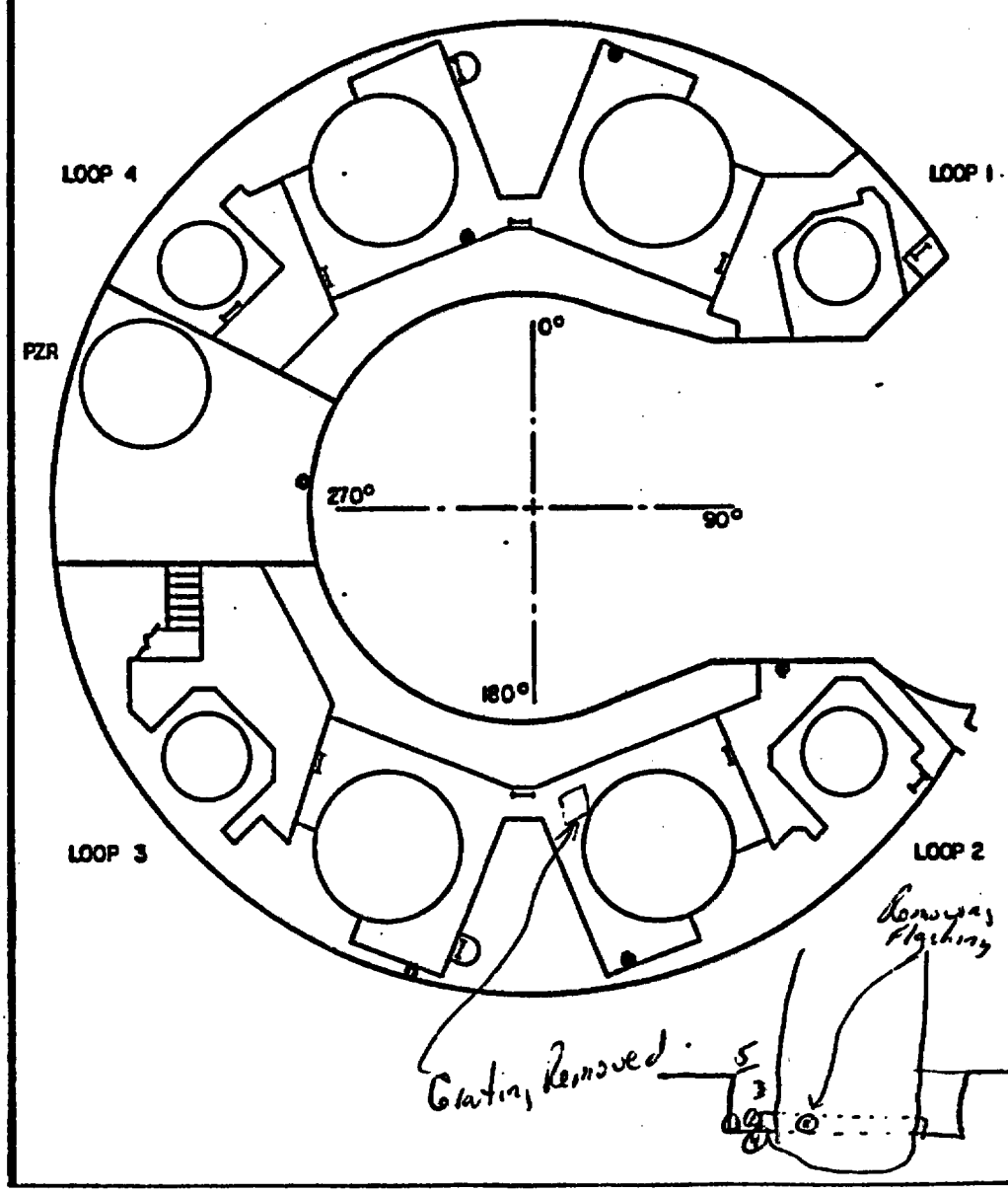
UNLESS NOTED: ✱ DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM / 100 CM²

REASON FOR SURVEY
Need to remove insulation

RWP USED: 99-1106-02

SURVEYED BY L. Bailey | TIME 1130 | DATE 12/15/99
REVIEWED BY J. Sullivan | DATE 12/15/99

MODE 6 SHUTDOWN TIME / DATE 2310 9/8/97



	CONTAMINATION	REMARKS
1	2K	O/S Flashing
2	3K	O/S Flashing
3	3K	Floor
4	3K	Floor
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
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JOB COVERAGE LOGSHEET JC-400 39

LOGSHEET NO. 99SL 1689

RADIOLOGICAL AREA STATUS SHEET 37

AREA DESCRIPTION

AREA CLASSIFICATION
- ☐ RADIATION
- ☐ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☐ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REASON FOR SURVEY
Remove insul.

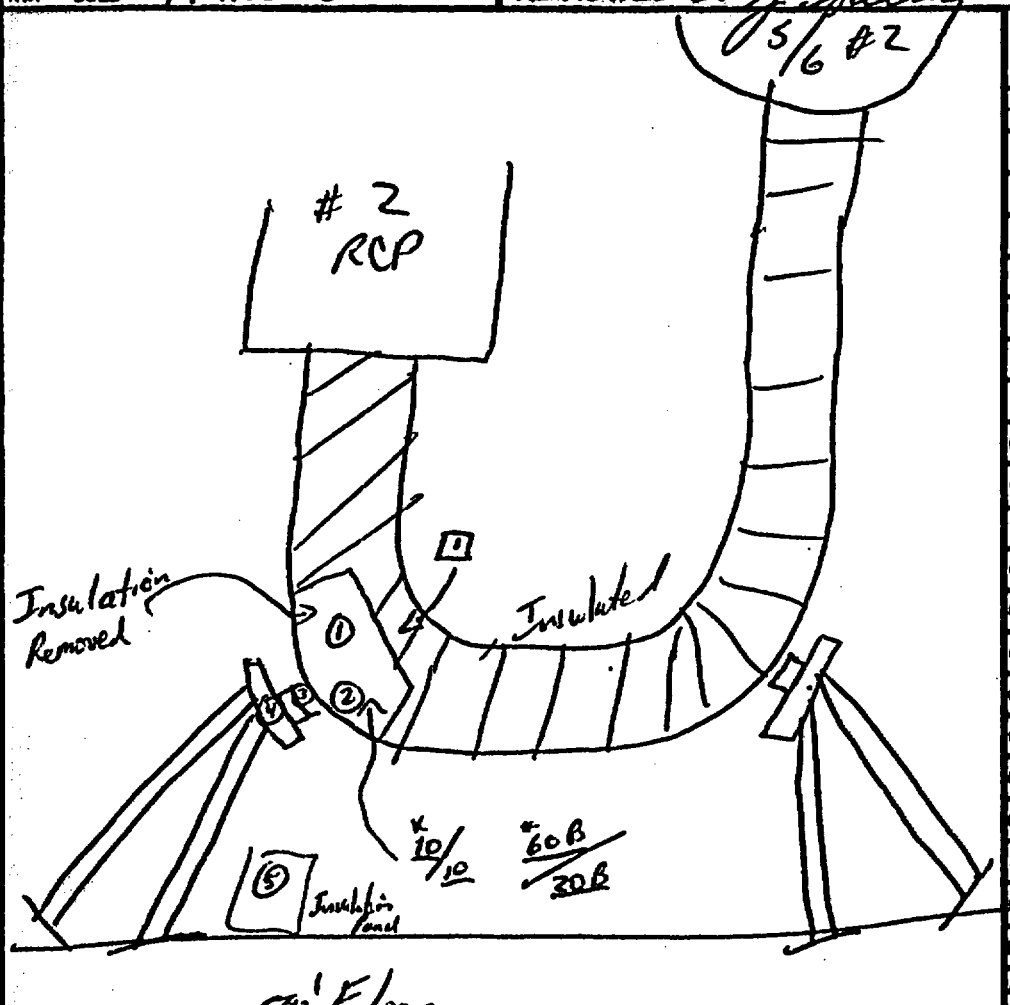
RWP USED: 99-1106-02

REMARKS
Logsheet # 9956-1711
[1] A/S location submitted to count Rm.

METER TYPE / NO.
RSO-334
~~RSO-2~~ 12/15/99

UNLESS NOTED: * DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM / 100CM²

SURVEYED BY L. Mobley | TIME 1145 | DATE 12/15/99
REVIEWED BY J. Salley | DATE 12/15/99



CONTAMINATION / REMARKS

1	24 mrad/hr loop
2	16 mrad/hr loop
3	8 mrad/hr inside support
4	4 mrad/hr o/s support
5	16 mrad/hr inside insulation
6	/
7	/
8	/
9	/
10	/
11	/
12	/
13	/
14	/
15	/
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29	/
30	/

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RADIOLOGICAL AREA STATUS SHEET 3/6

AREA DESCRIPTION 621' & 625' LEVELS UNIT NO. 1 | **MAP NO.** 136

AREA CLASSIFICATION
- ☐ RADIATION
- ■ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ■ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS
Log sheet # 9956-1714

METER TYPE/NO.
RM20 - 8809
RSO - 334

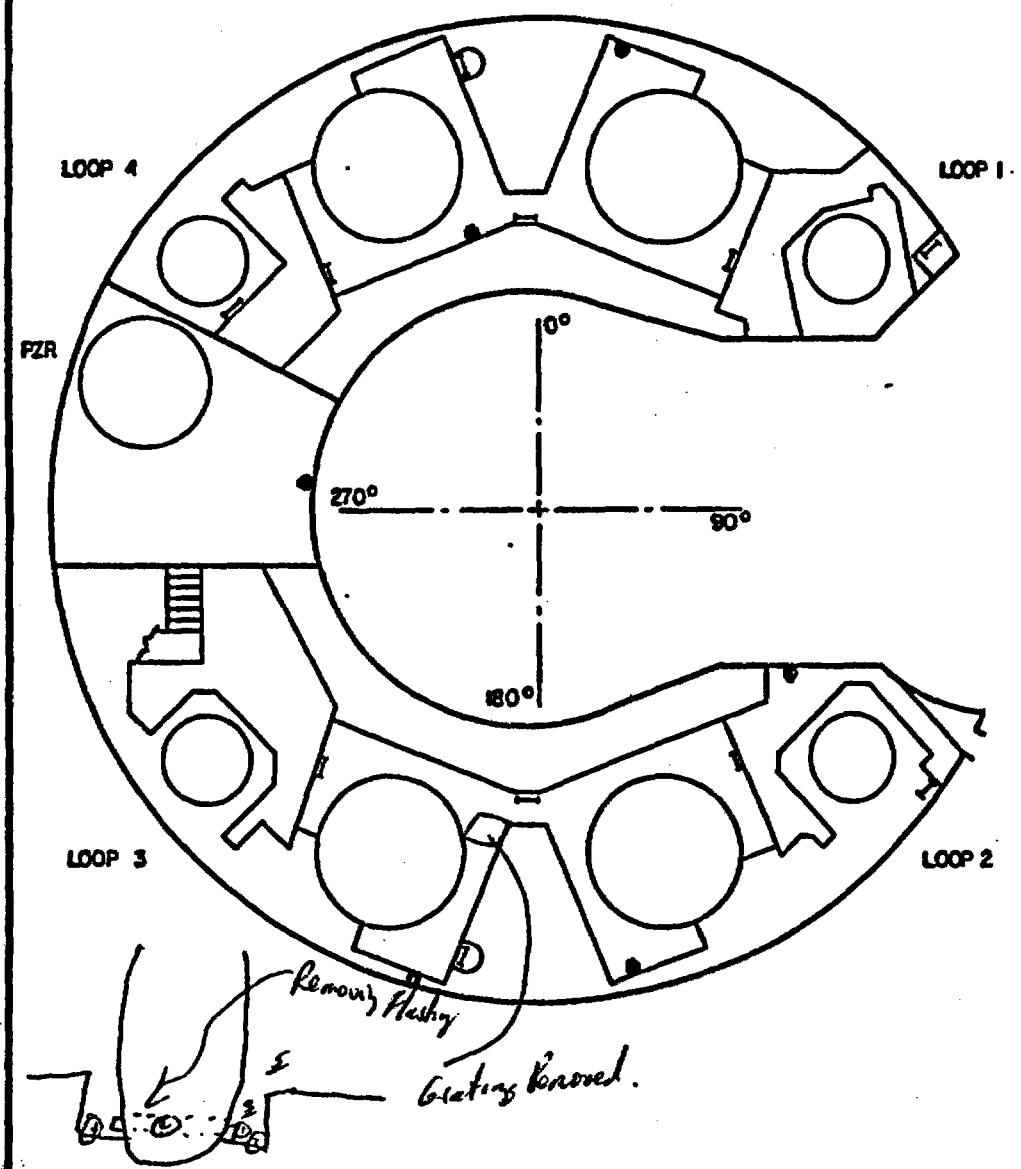
UNLESS NOTED: ✱ DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM / 100 CM²

REASON FOR SURVEY
Reign to Reduce exposure

RWP USED: 99-1106-02

SURVEYED BY L. Mohney | TIME 1400 | DATE 12/15/99
REVIEWED BY J. Hallin | DATE 12/15/99

MODE 6 SHUTDOWN TIME / DATE 2310 9/8/97



CONTAMINATION / REMARKS

1	2h	/ 0.5 Flashing
2	2h	/ 5h Flashing
3	3h	/ Floor
4	3h	/ Floor
5		/
6		/
7		/
8		/
9		/
10		/
11		/
12		/
13		/
14		/
15		/
16		/
17		/
18		/
19		/
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28		/
29		/
30		/

RADIOLOGICAL AREA STATUS SHEET 35

AREA DESCRIPTION S/G PLATFORM NO.__ UNIT NO.__ **MAP NO.** 139

AREA CLASSIFICATION
- ☐ RADIATION
- ☒ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☒ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS LSA 9956-1715
Highest GA 40mrem/Hr
(NOT ALL INSULATION Removed)

METER TYPE/NO.
RSO 50 334
RM14 8809

REASON FOR SURVEY
INSULATION Removal @ #2 S/G HL

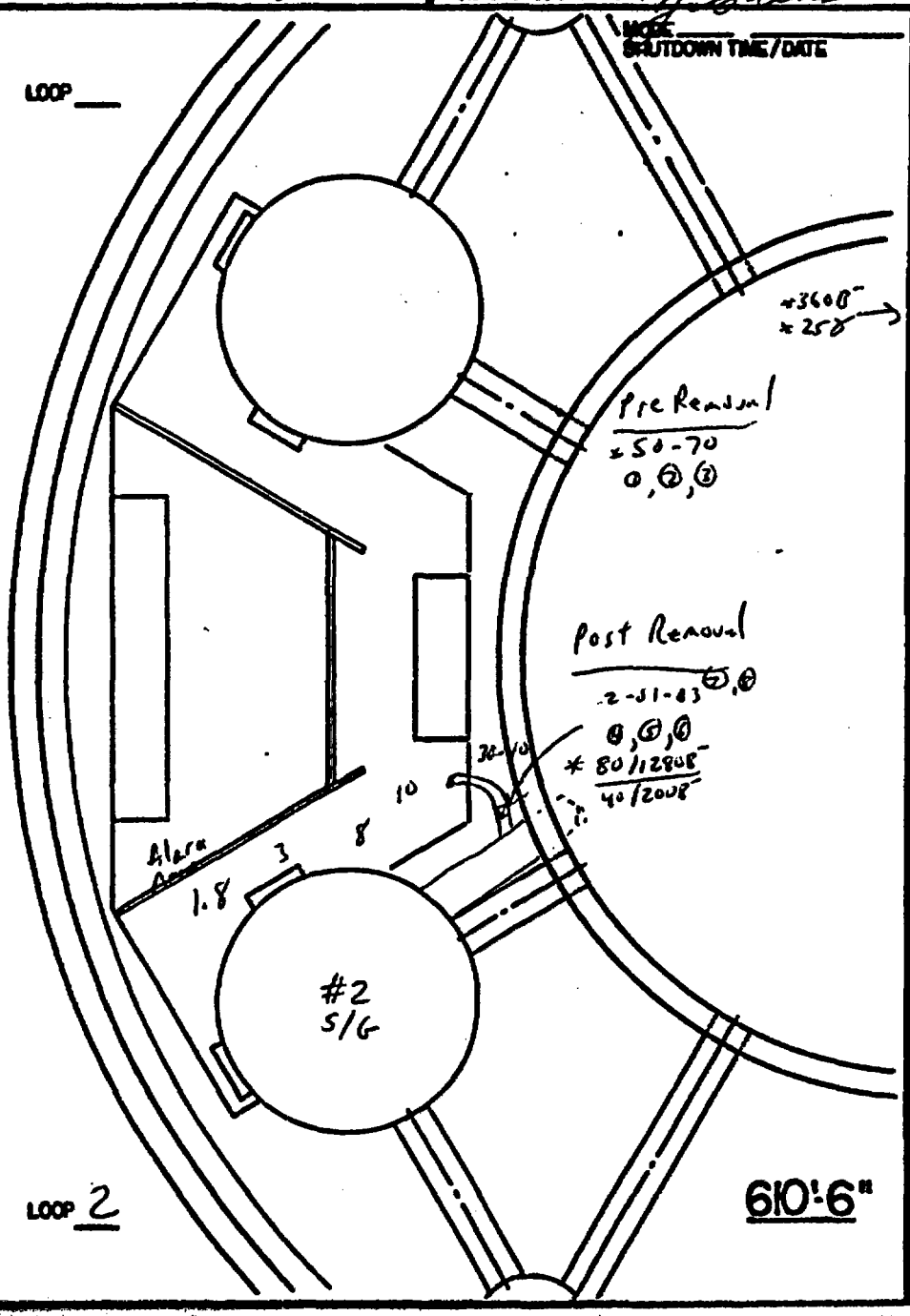
RWP USED: 99-1106-02

UNLESS NOTED: ✱ DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100 CM²

SURVEYED BY [illegible] TIME 1010 DATE 12-15-99

REVIEWED BY [illegible] DATE 12-15-99

MODE
SHUTDOWN TIME/DATE



CONTAMINATION / REMARKS

1	30K	1/5 insulation
2	40K	↓
3	50K	↓
4	100K	2/5 top insulation
5	200K	2/5 top insulation
6	400B⁻	2/5 insulation bottom
7	70B⁻	v/v Body
8	340B⁻	v/v top
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RADIOLOGICAL AREA STATUS SHEET 16

AREA DESCRIPTION #2 S/G Cold leg At channel head

MAP NO.

AREA CLASSIFICATION
- ☐ RADIATION
- ☐ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☐ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS log # 99SG1722
BKG = back side of Generator
Ins = Insulation
C/L = Cold leg
AV = Air sample

METER TYPE/NO.
RSO50E RSO 334
RM20 RM20 BKG
TAS pump # LV 62

UNLESS NOTED: * DENOTES CONTACT/30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100C

REASON FOR SURVEY
Remove Insulation From Cold leg

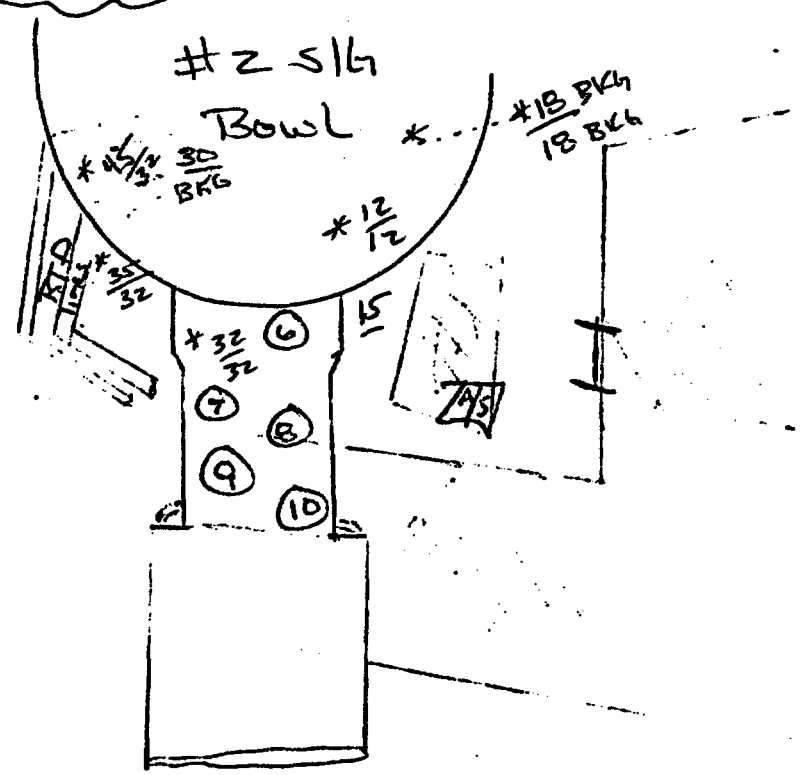
RWP USED: 99-1106-02

SURVEYED BY T. Mahney **TIME** 1630 **DATE** 12-15-99

REVIEWED BY Von Bayard **DATE** 12-16-99

A/S pulled And delivered to count Room

Only 4 pieces of Insulation Removed At this time
Insulation bagged And staged on 598'



SMEARS #1 to #5 taken on Removed Insulation

	CONTAMINATION/REMARK
1	2K / 1/2s Insulation
2	4K / 1/2s Ins.
3	6K / 1/2s Ins.
4	20K / 1/2s Ins
5	4K / 1/2s Ins
6	2K / C/L BKG
7	4K / C/L BKG
8	5K / C/L
9	8K / C/L
10	8K / C/L
11	/
12	/
13	/
14	/
15	/
16	/
17	/
18	/
19	/
20	/
21	/
22	/
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29	/
30	/

N/A

34

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99561739

RWP#: 99 110602 TECHNICIAN: M. Broadhurst Date/Time: 12-15-99 / 0930

DESCRIPTION OF WORK COVERED: Removal of Insulation

LOCATION: U-1 Hot Leg 5/6 #3

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): 10 mr/hr - 20 mr/hr

CONTACT DOSE RATE(S): 30 mr/hr - 50 mr/hr

INST. TYPE: RSO 50 INST #: 839

G/A SMEARABLE CONTAMINATION: see below

EQUIP. EXT. CONTAMINATION: 3K

EQUIP. INT. CONTAMINATION: 200K - 12 mrad

INST. TYPE: RM20 INST #: 9720

WORK AREA

☐ EASILY ACCESSABLE ☒ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☐ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: None

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☒ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☒ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: ☐ HI VOL ☒ LO VOL ☐ GILLIAN INST #:

RESULTS IN MICRO ci/cc AND DAC'S

RESP. WORN? ☐ Y ☒ N

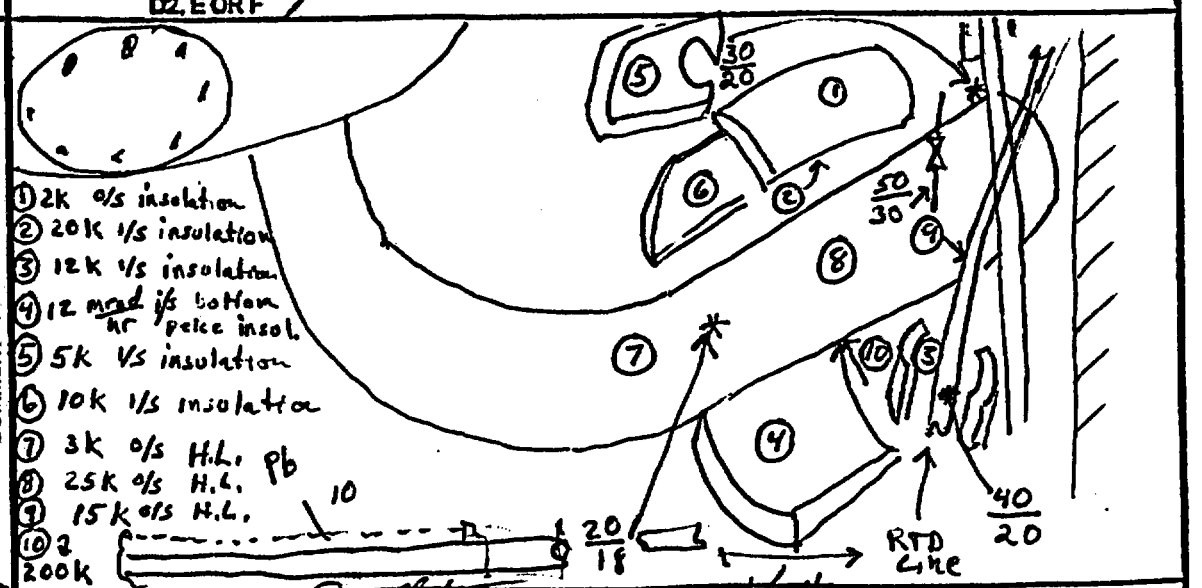
HEPA USED? ☐ Y ☒ N

P.C.'S

DRESS CODE USED M A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: Air Sample was taken in region of work area.

COMMENTS / MAP SPACE



1. 2K o/s insulation
2. 20K i/s insulation
3. 12K i/s insulation
4. 12 mrad/hr i/s bottom pelce insol.
5. 5K i/s insulation
6. 10K i/s insulation
7. 3K o/s H.L. Pb
8. 25K o/s H.L.
9. 15K o/s H.L.
10. 2 200K

TECHNICIAN [signature] SUPERVISOR [signature]

* Insulation bagged and tagged

RADIOLOGICAL AREA STATUS SHEET 33

AREA DESCRIPTION

AREA CLASSIFICATION
- [ ] RADIATION
- [x] HIGH RADIATION
- [ ] EXTREME HIGH RADIATION
- [x] CONTAMINATION
- [ ] AIRBORNE RADIOACTIVITY

REMARKS
Log sheet # 99561745

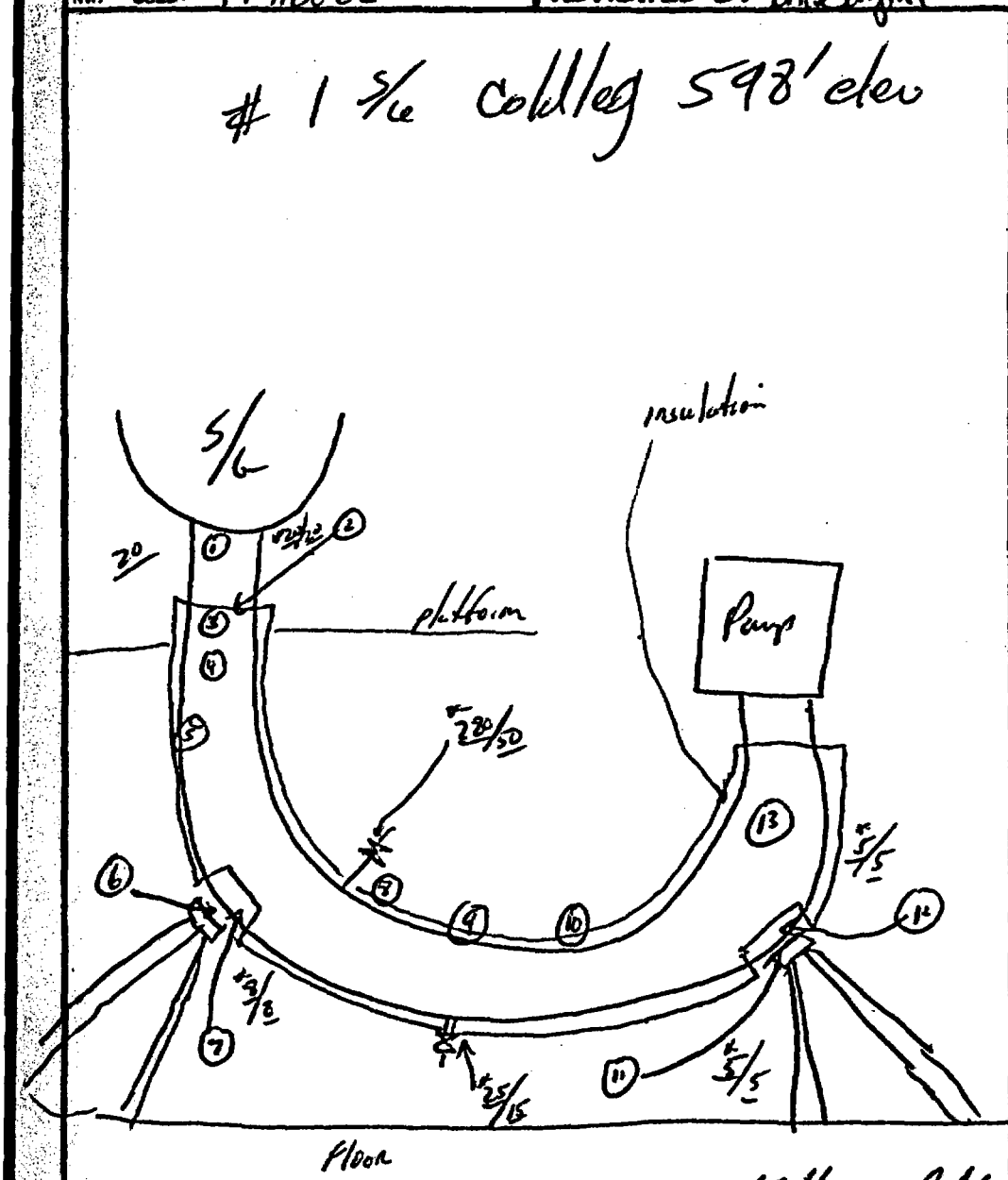
METER TYPE / NO.
RSO - 839
RM-14 - 8809.

UNLESS NOTED: ✱ DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM / 100 CM²

REASON FOR SURVEY
Pre insulation Removal survey

RWP USED: 99-1106-02

SURVEYED BY L. Mo Jones | TIME 1250 | DATE 12/16/99
REVIEWED BY [illegible] | DATE 12/16/99



Extremely dusty & dirty

No scaffold complete yet.

CONTAMINATION / REMARKS

1	<1k	/ Pipe
2	1k	/ insulation
3	2k	/ insulation
4	5k	/ insulation
5	2k	/ insulation
6	3k	/ Pipe
7	6k	/ Pipe
8	8k	/ Pipe Insulation
9	5k	/ Insulation
10	10k	/ Insulation
11	20k	/ Frame
12	150k	/ Pipe
13	50k	/ Insulation
14		/
15		/
16		/
17		/
18		/
19		/
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28		/
29		/
30		/

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RADIOLOGICAL AREA STATUS SHEET 32

AREA DESCRIPTION S/G PLATFORM NO. 1/4 UNIT NO. 1 | **MAP NO.** 139

AREA CLASSIFICATION
- [ ] RADIATION
- [x] HIGH RADIATION
- [ ] EXTREME HIGH RADIATION
- [ ] CONTAMINATION
- [ ] AIRBORNE RADIOACTIVITY

REMARKS
Log sheet # 9956-1746

METER TYPE/NO.
RSO-839
RM-14 8809

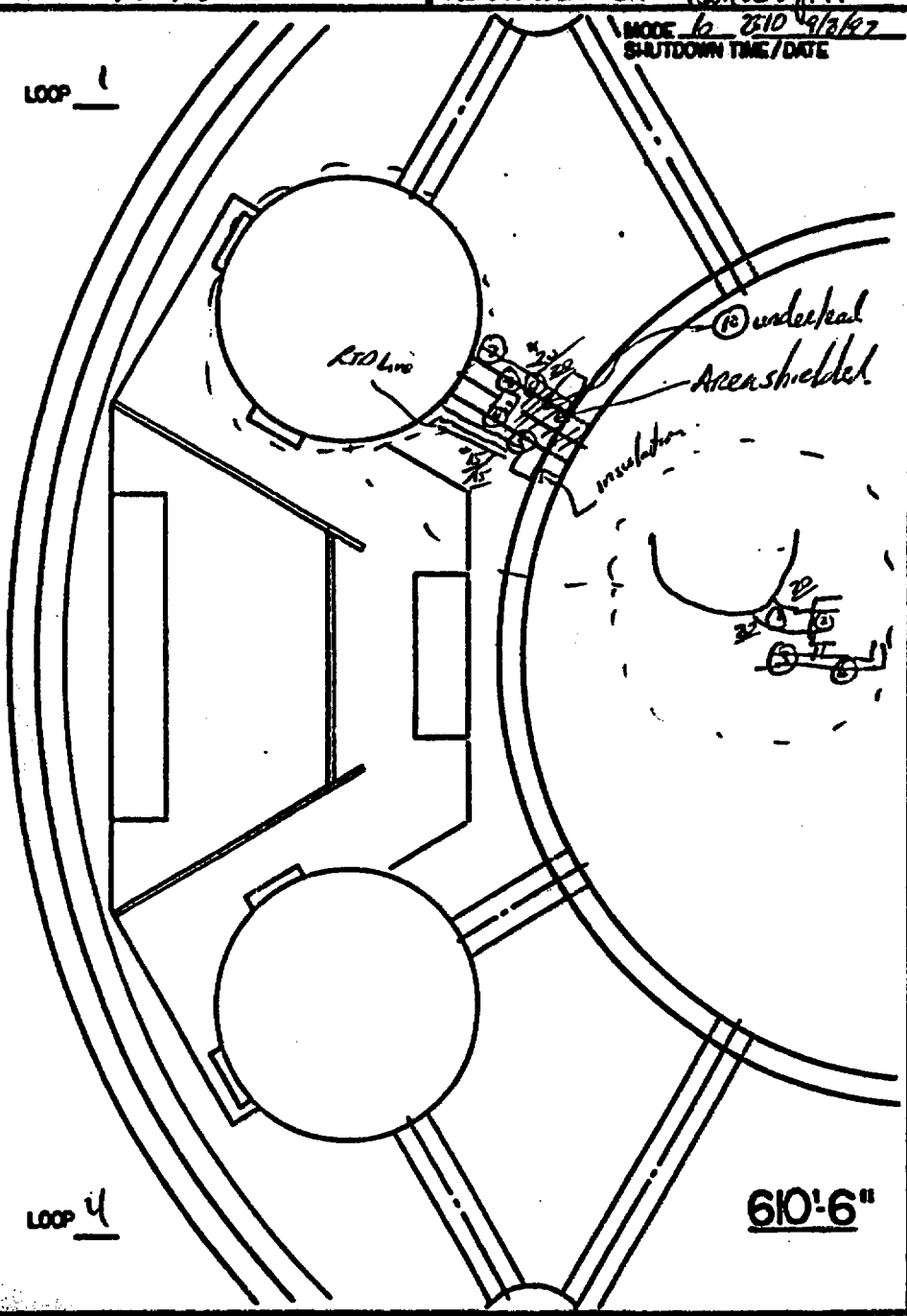
UNLESS NOTED: ✱ DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL ©CONTAMINATION IN DPM/100 CM²

REASON FOR SURVEY
Pre Insulation Removal survey

RWP USED: 99-1106-02

SURVEYED BY L. Mofines | **TIME** 1230 | **DATE** 12/16/99
REVIEWED BY Ken Dorn | **DATE** 12/16/99

MODE 6 2310 9/3/97
SHUTDOWN TIME/DATE



CONTAMINATION/ REMARKS	
(1)	15k / pipe
(2)	3k / insul.
(3)	3k / RTD insul
(4)	5k / ~~Insul~~ Insul.
(5)	15k / lead.
(6)	15k / RTD Insul.
(7)	2k / Insul
(8)	8k / Insul
(9)	15k / Insul
(10)	50k / under lead on insul.
(11)	/
(12)	/
(13)	/
(14)	/
(15)	/
(16)	/
(17)	N/A
(18)	/
(19)	/
(20)	/
(21)	/
(22)	/
(23)	/
(24)	/
(25)	/
(26)	/
(27)	/
(28)	/
(29)	/
(30)	/

RADIOLOGICAL AREA STATUS SHEET

30

AREA DESCRIPTION #2 Cold leg 598' elev.

AREA CLASSIFICATION
- ☐ RADIATION
- ☐ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☐ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS Logbook # ~~99-406-02~~ 99-56-1747
Airsample submitted for count

METER TYPE / NO. RSO-831
RM-14-8809

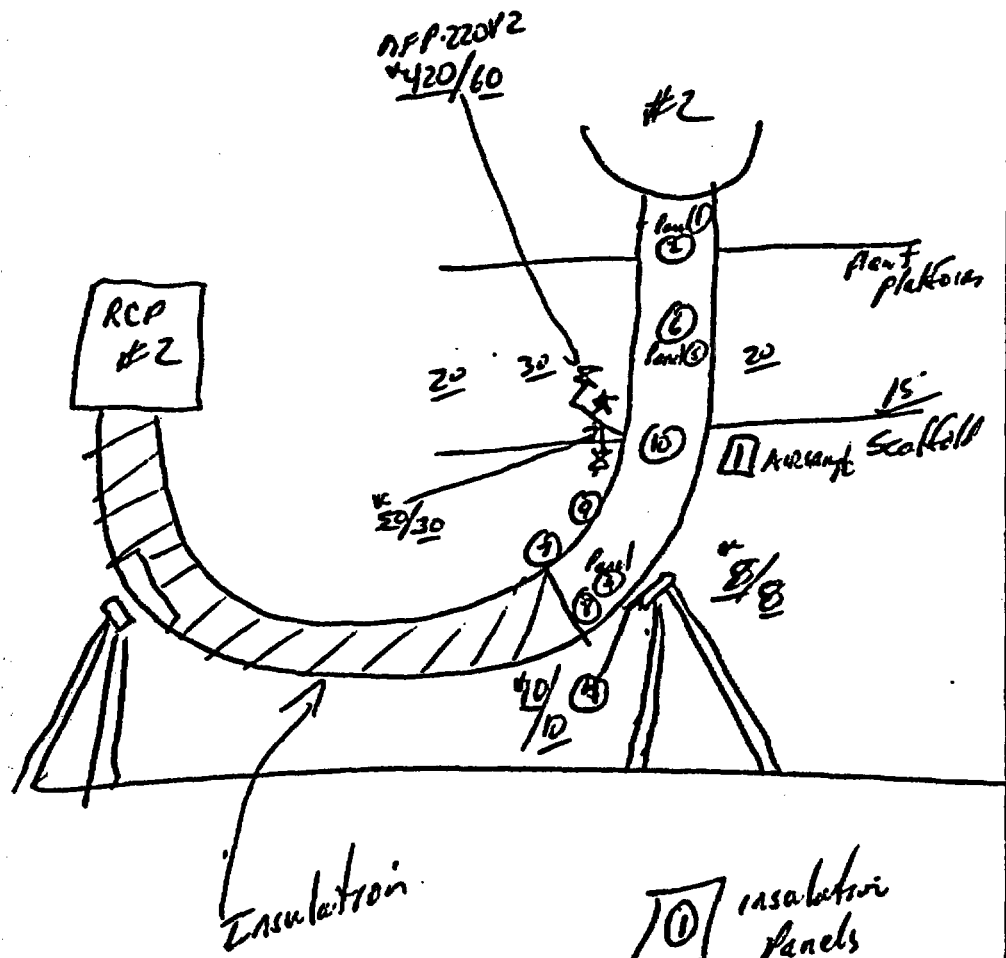
UNLESS NOTED: ✱ DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM / 100 CM²

REASON FOR SURVEY Remove insulation #2 c/l

RWP USED ~~99-206-02~~ 99-206 12/16/99

SURVEYED BY L. Mahney | TIME 1442 | DATE 12/16/99

REVIEWED BY Ken Boyer | DATE 12/16/99



1 insulation panels

5 3 location indicated by spheres above

	CONTAMINATION / REMARKS
1	100K / insul 3/3
2	10K / Pipe
3	20K / Insul 3/3
4	6K / Pipe
5	20K / Insul 3/3
6	5K / Pipe
7	20K / Pipe
8	5K / Pipe
9	16K / Pipe
10	4K / Pipe
11	/
12	/
13	/
14	/
15	/
16	/
17	/
18	MA
19	/
20	/
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29	/
30	/

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JOB COVERAGE LOGSHEET

JC-400 29

LOGSHEET NO. 9956 1750

RWP#: 99-1108-02 TECHNICIAN: A Avelar Date/Time: 12-16-99 1140

DESCRIPTION OF WORK COVERED: Decon #3 S/G HL Piping

LOCATION: U-1, LC, #3 S/G platform

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): /

CONTACT DOSE RATE(S): NA

INST. TYPE: / INST #:

G/A SMEARABLE CONTAMINATION: 12K

EQUIP. EXT. CONTAMINATION: N

EQUIP. INT. CONTAMINATION: A

INST. TYPE: RM14 INST #: 8809

WORK AREA

☒ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: SMEARS TAKEN ONLY

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☒ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☒ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: N A ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #: NA

RESULTS IN MICRO ci/cc AND DAC'S

RESP. WORN? ☐ Y ☒ N

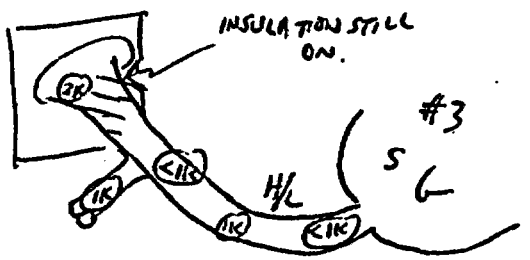
HEPA USED? ☐ Y ☒ N

P.C.'S

DRESS CODE USED: M A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS:

COMMENTS / MAP SPACE



TECHNICIAN A Avelar SUPERVISOR [illegible]

505 • 1000400

RADIOLOGICAL AREA STATUS SHEET 28

AREA DESCRIPTION Unit 1 #3 S/G mid loop 598'

MAP NO.

AREA CLASSIFICATION
- ☐ RADIATION
- ☐ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☐ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS Log #99 541772
Insulation bagged and Ram tagged and stored on 598'

METER TYPE/N
RSO50 & RSO 35
RM20 RM20

UNLESS NOTED: # DENOTES CONTACT /30 CM
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/

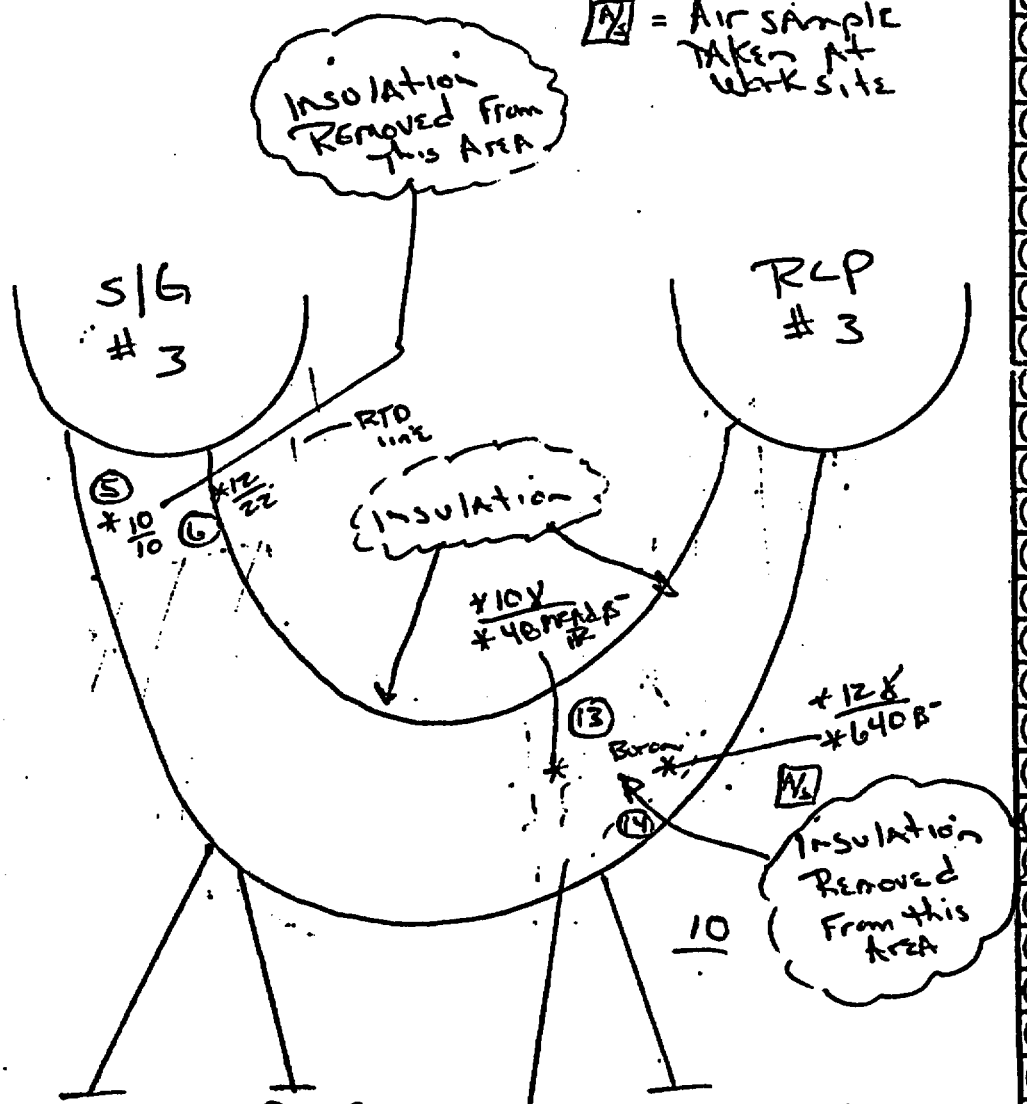
REASON FOR SURVEY
Insulation Removal
#3 S/G mid loop
RWP USED: 99-1106-02

SURVEYED BY T. McKney **TIME** 1120 **DATE** 12-17-

REVIEWED BY [illegible] **DATE** 12-17-9

Smears #1, #2 taken on o/s channel head area insulation
Smears #3, #4 taken on i/s insulation & channel head.

A/S = Air sample taken at work site



Smears #7 #8 taken on o/s insulation bottom of mid loop
Smears #9, #10, #11, #12 taken on i/s insulation bottom of mid loop

	CONTAMINATION/REMA	
1	2K	/ o/s insul
2	20K	/ o/s ins
3	20K	/ i/s insula
4	45K	/ i/s ins.
5	20K	/ pipi
6	24K	/ pipi
7	4K	/ o/s insula
8	40K	/ o/s insul
9	200 mrad β/hr	/ i/s ins.
10	162	/
11	80	/
12	360 mrad β/100cm²	/ i/s insu
13	80 mrad β/100cm²	/ pipi
14	160 mrad β/100cm²	/ Boron pipi
15		/
16		/
17		/
18		/
19		/
20		/
21	N/A	
22		/
23		/
24		/
25		/
26		/
27		/
28		/
29		/
30		/
31		/
32		/
33		/

15

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. ~~9956-1773~~ 9956-1774 HOT 12/17/99

RWP#: 99 1106 02 TECHNICIAN: HRTinnin Date/Time: 12/17/99 1200-1530

DESCRIPTION OF WORK COVERED: S/G #3 C/L Insulation Removal

LOCATION: U-1 598'

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <4 to 30

CONTACT DOSE RATE(S): <4

INST. TYPE: RSO INST #: RSO 352

G/A SMEARABLE CONTAMINATION: HOT 12/17/99 ~~10,000 to 50,000~~ <1000 to 10,000

EQUIP. EXT. CONTAMINATION: 10,000 to 50,000

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: RM14 INST #: 8809

WORK AREA

☒ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: N/A

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☒ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☐ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #:

RESULTS IN MICRO cl/cc AND DAC'S

RESP. WORN? ☐ Y ☐ N

HEPA USED? ☐ Y ☐ N

P.C.'S

DRESS CODE USED: M A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: N/A

COMMENTS / MAP SPACE

99-1106-02 Insulators removing Mirror Insulation from S/G #3 C/L Smearable Contam HOT 12/17/99 ~~10 to 20~~ 10,000 to 50,000 dpm/100cm² Contact dose rates: <4mrem/hr (Bkgd <4mrem/hr)

TECHNICIAN HRTinnin SUPERVISOR [illegible]

00045400

RADIOLOGICAL AREA STATUS SHEET 14

AREA DESCRIPTION 598' #3 S/G midloop

AREA CLASSIFICATION
- ☐ RADIATION
- ☒ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☐ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS log # 99561777

METER TYPE/NO. RS05 FS0352 RM20 RM20972

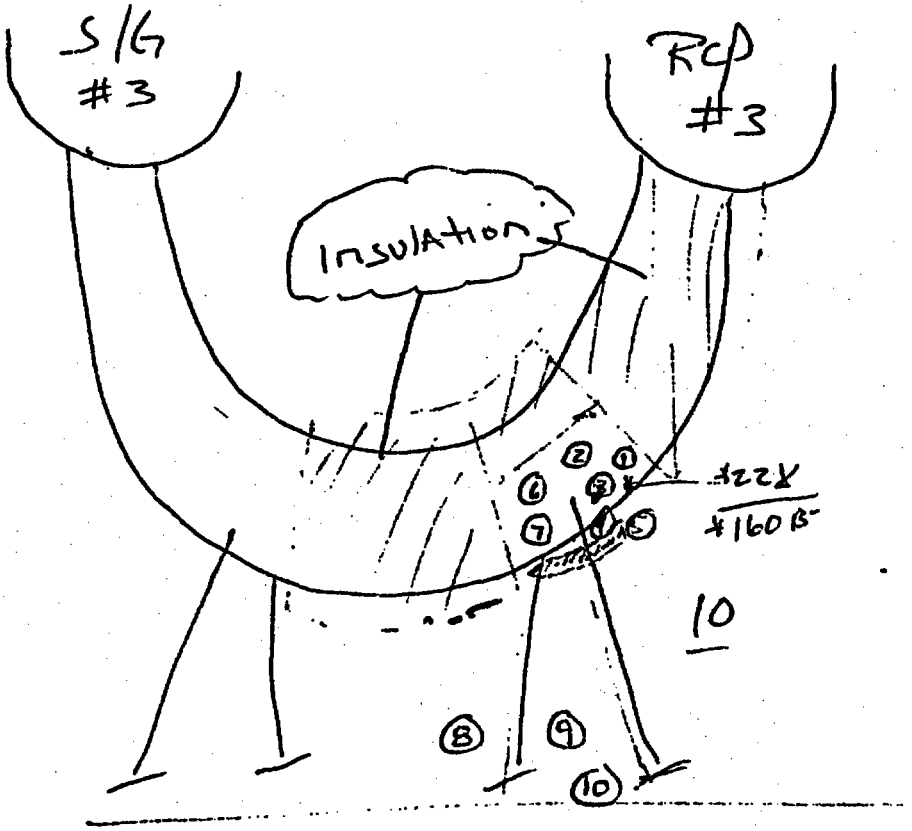
UNLESS NOTED: ✱ DENOTES CONTACT / 30 CM. DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100CM²

REASON FOR SURVEY post decon #3 midloop

RWP USED: 99-1108-02

SURVEYED BY T. Mahoney **TIME** 1700 **DATE** 12-17-99

REVIEWED BY [illegible] **DATE** 12-17-99



CONTAMINATION/REMARKS

1	100K / pipe
2	30K / ↓
3	50K / pipe
4	40K / support
5	20K / support
6	18K / pipe
7	12K / pipe
8	20K / Floor
9	18K / ↓
10	10K / Floor
11	/
12	/
13	/
14	/
15	/
16	/
17	/
18	N/A
19	/
20	/
21	/
22	/
23	/
24	/
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28	/
29	/
30	/

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JOB COVERAGE LOGSHEET

JC-400 13

LOGSHEET NO. 99561794

RWP#: 99111001 TECHNICIAN: wilke Date/Time: 12-18-99/ 0745

DESCRIPTION OF WORK COVERED: Radiation/Contamination Verifications

LOCATION: U1 upper Cont 650'; Lower Ice; 701'; Upper Ice

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <0.2 - 2 mrem/hr

CONTACT DOSE RATE(S): <0.2 - 5 mrem/hr

INST. TYPE: R50/50E INST #: R50-848

G/A SMEARABLE CONTAMINATION: < 1000 - 3000 dpm/100cm²

EQUIP. EXT. CONTAMINATION: < 1000 - 3000 dpm/100cm²

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: RM14 INST #: RM14-8697

WORK AREA

■ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

■ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: N/A

POSTING

■ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☐ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

■ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: N/A | ☐ HI VOL ☐ LO VOL ☐ GILLIAN | INST #: N/A

RESULTS IN MICRO ci/cc AND DAC'S

RESP. WORN? ☐ Y ■ N

HEPA USED? ☐ Y ■ N

P.C.'S

DRESS CODE USED

L A, B, C, D1

D2, E OR F

ADDITIONAL ITEMS: N/A

COMMENTS / MAP SPACE

Verified Radiation/Contamination levels on 650' + Lower Ice. No changes from logsheet # 99561642 dated 12-12-99.

Verified Radiation/Contamination levels on 701' + Upper Ice. No changes from logsheet # 99561641 dated 12-12-99.

TECHNICIAN wilke SUPERVISOR [illegible]

JOB COVERAGE LOGSHEET

JC-400

12

LOGSHEET NO. 99561795

RWP#: 99111001 TECHNICIAN: WWhe Date/Time: 12-18-99/0900

DESCRIPTION OF WORK COVERED: U1 Upper Ctmt Rover

LOCATION: U1 Upper Ctmt 650' + up

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <0.2 → 2 mrem/hr

CONTACT DOSE RATE(S): <0.2 → 2 mrem/hr

INST. TYPE: RS050E INST #: RS0-848

G/A SMEARABLE CONTAMINATION: <1000 → 3000 dpm/100cm²

EQUIP. EXT. CONTAMINATION: <1000 → 3000 dpm/100cm²

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: RM14 INST #: RM14-8697

WORK AREA

■ EASILY ACCESSABLE ■ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

■ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: N/A

POSTING

■ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☐ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

■ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: N/A ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #: N/A

RESULTS IN MICRO ci/cc AND DAC'S

RESP. WORN? ☐ Y ■ N

HEPA USED? ☐ Y ■ N

P.C.'S

DRESS CODE USED: M A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: ~~N/A~~ 12-18-99 LB's cleaning slurry – Rainpants; Hightop Rubber boots

COMMENTS / MAP SPACE

99113001 - LB's cleanup slurry I/S #2 O/H.
99111701 - EL's inspecting bluegrass equipment electrical supply.
99112001 - CP's to CTS to modify scaffolding in support of TLD installation.
99113001 - CP's continue building swing-low scaffold on O/H Y4.
99111701 - PF's installing fittings on chiller units.
99113001 - IW's rigging material from 2/3 to Y4 and slurry drums down to 650'.
99111701 - PF's to assist w/ hooking up hydraulic hoses on bluegrass equipment.

TECHNICIAN WWhe SUPERVISOR Ken Byron

RADIOLOGICAL AREA STATUS SHEET

10

AREA DESCRIPTION 598' Unit 1 #4 S/G midloop

MAP NO.

AREA CLASSIFICATION
- ☐ RADIATION
- ☐ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☐ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS Log #99G 1797
Insulation bagged
And tagged And stored:
on 598'

METER TYPE/NO.
RSO50E RSO 334
RM20 RM20 97

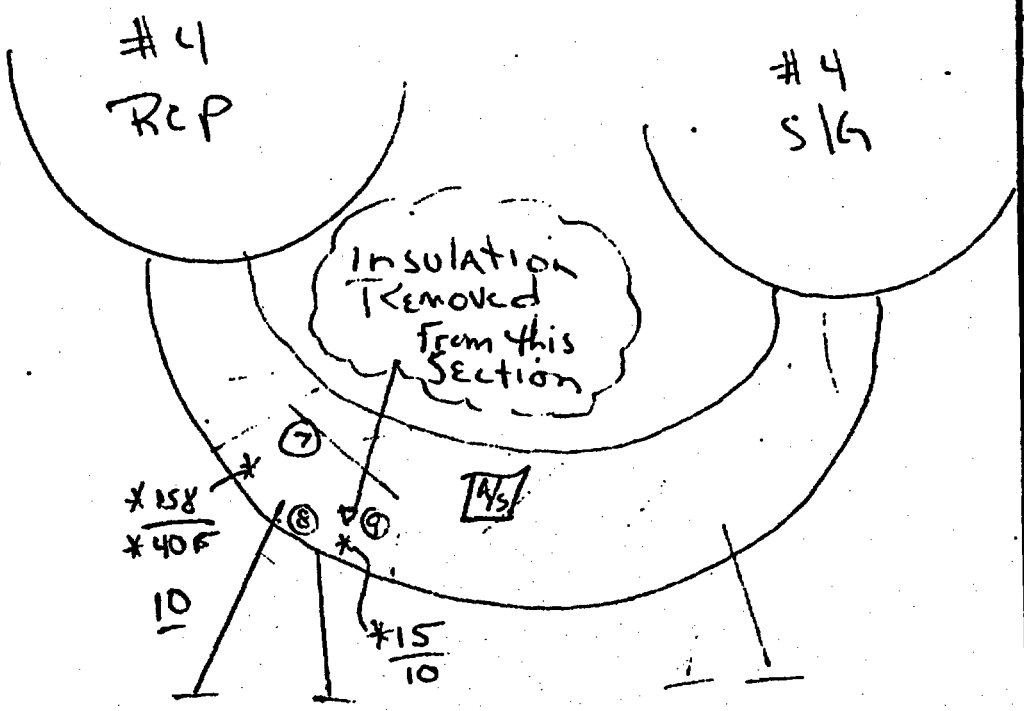
REASON FOR SURVEY
Removed insulation from
#4 mid loop
RWP USED: 99-1006-02

UNLESS NOTED: * DENOTES CONTACT/30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100C

SURVEYED BY T. Mokrey **TIME** 0840 **DATE** 12-18-99

REVIEWED BY [illegible] **TIME** 0840 **DATE** 12-18-99

SMEARS #1, #2 TAKEN on O/S insulation
SMEARS #3, #4, #5, #6 TAKEN on I/S insulation
A/S = Airsample taken at this location



	CONTAMINATION/REMARK
1	20K / O/S insulation
2	28K / O/S insulation
3	12 mrad/hr/100cm² / I/S insulation
4	40 mrad/hr/100cm² /
5	40 mrad/hr/100cm² /
6	32 mrad/hr/100cm² / I/S insulation
7	120K / pipe
8	60K /
9	40K / pipe
10	/
11	/
12	/
13	/
14	/
15	/
16	/
17	/
18	/
19	/
20	/
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9

JOB COVERAGE LOGSHEET

JC-400

LOGSHEET NO. 99561808

99110601

RWP#: ~~99110~~ MB TECHNICIAN: M. Broadhurst Date/Time: 12-18-99 / 1625

DESCRIPTION OF WORK COVERED: Insulation Removal

LOCATION: U-1 598' Cold Leg

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): 5 - 20

CONTACT DOSE RATE(S): 120

INST. TYPE: RSO INST #: 349

G/A SMEARABLE CONTAMINATION: 5K - 25K

EQUIP. EXT. CONTAMINATION: See below

EQUIP. INT. CONTAMINATION: See below

INST. TYPE: RM 14 INST #: 8809

WORK AREA

[x] EASILY ACCESSABLE [ ] OVERHEAD AREA [ ] UNDER GRATING [ ] CONFINED AREA

[x] DRY [ ] WET [ ] OILY [ ] BORIC ACID COVERED

COMMENTS: WET ON Floor oily on floor

POSTING

[ ] RADIATION AREA
[x] HIGH RADIATION AREA
[ ] EXTREME HIGH RADIATION AREA
[x] CONTAMINATION AREA
[ ] AIRBORNE RADIOACTIVITY AREA
[ ] HIGH CONTROLLED SURFACE C.A.
[ ] NEUTRON RADIATION AREA
[ ] RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: [ ] HI VOL [ ] LO VOL [ ] GILLIAN INST #:

RESULTS IN MICRO ci/cc AND DAC'S

RESP. WORN? [ ] Y [x] N

HEPA USED? [ ] Y [x] N

P.C.'S

DRESS CODE USED: M A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: Two pairs of rubber gloves Face Shields.

COMMENTS / MAP SPACE

1. 20K
2. 18K
3. 25K
4. 10K
5. 70K
6. 200K
7. 60K
8. 25K
9. 15K
10. 10K

S/6 # 1.

120/80 80 15/15 15/10 8/5

All insulation removed bagged & tagged w/ Contamination Levels 25K - 150K

TECHNICIAN [signature] SUPERVISOR [signature]

RADIOLOGICAL AREA STATUS SHEET 8

AREA DESCRIPTION 621' & 625' LEVELS UNIT NO. 1

MAP NO. 136

AREA CLASSIFICATION
- ☐ RADIATION
- ☐ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☐ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS
Logsheet # 9956-1883

METER TYPE/NO.
RSO-349
RM-14 889 8709

UNLESS NOTED: * DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM / 100 CM²

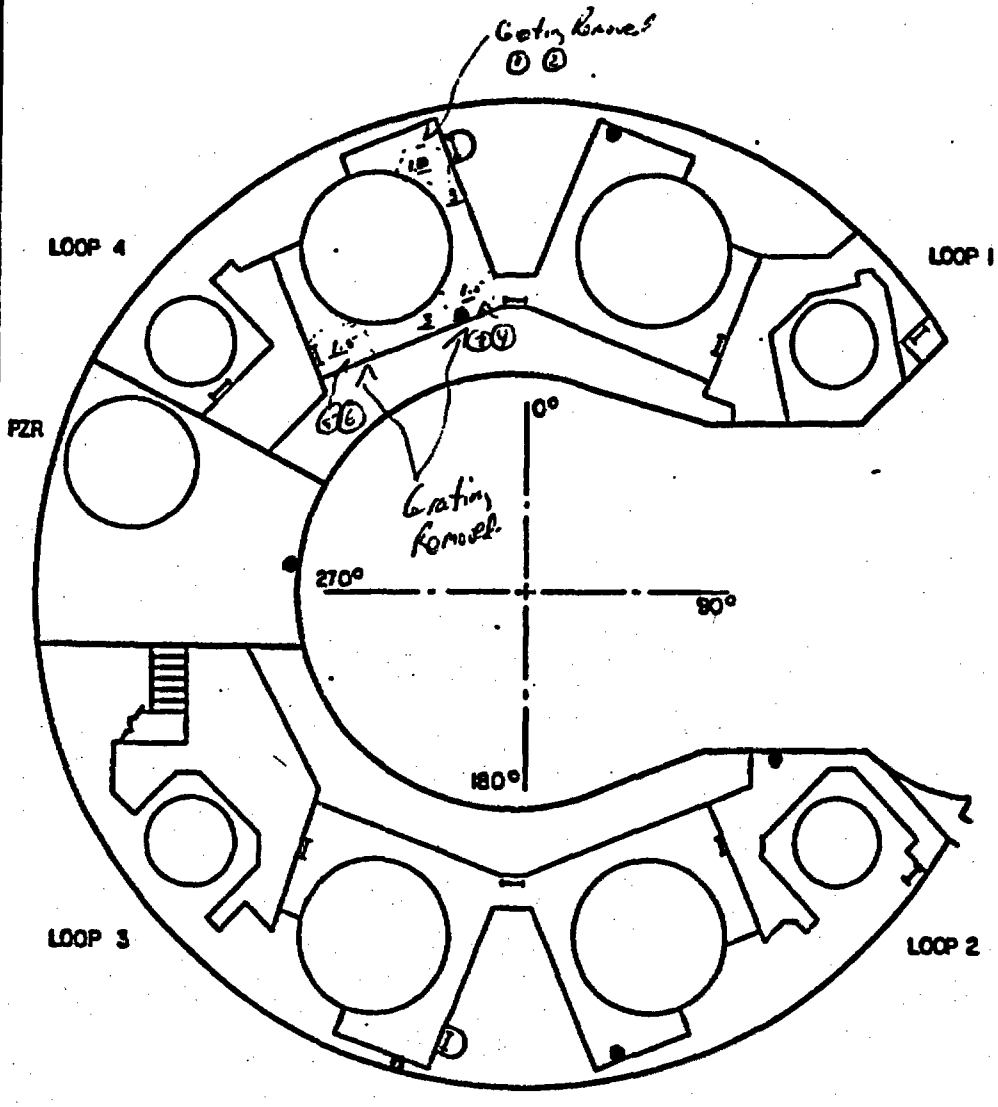
REASON FOR SURVEY
Insulation removal 98-1106-02

RWP USED: 98-1110-01

SURVEYED BY L. Mahne | TIME 0830 | DATE 12/21/98

REVIEWED BY [illegible] | DATE 12/23/98

MODE 6 SHUTDOWN TIME / DATE 2310 8/8/97



CONTAMINATION / REMARKS

1	5K	/ Insul
2	8K	/ Support
3	15K	/ Insul
4	8K	/ Support
5	7K	/ Insul
6	3K	/ Support
7		/
8		/
9		/
10		/
11		/
12		/
13		/
14		/
15		/
16		/
17		/
18		/
19		/
20		/
21		/
22		/
23		/
24		/
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30		/

JOB COVERAGE LOGSHEET

JC-400

7

LOGSHEET NO. 99SG1902

RWP#: 99 1106 01 TECHNICIAN: HRTinnin Date/Time: 12/21/99 1500

DESCRIPTION OF WORK COVERED: Removal of Insulation Ring on S/G 1 621'

LOCATION: U-1 Lower CTMT

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): 2.5 to 5

CONTACT DOSE RATE(S): 10

INST. TYPE: RSO INST #: 349

G/A SMEARABLE CONTAMINATION: <1000 to 10,000

EQUIP. EXT. CONTAMINATION: 5000

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: RM14 INST #: 8809

WORK AREA

☐ EASILY ACCESSABLE ☐ OVERHEAD AREA ☒ UNDER GRATING ☐ CONFINED AREA

☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: N/A

POSTING

☒ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☒ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☒ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRBORNE

A/S #: ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #:

RESULTS IN MICRO c/cc AND DAC'S

RESP. WORN? ☐ Y ☐ N

HEPA USED? ☐ Y ☐ N

P.C.'S

DRESS CODE USED LM A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: N/A

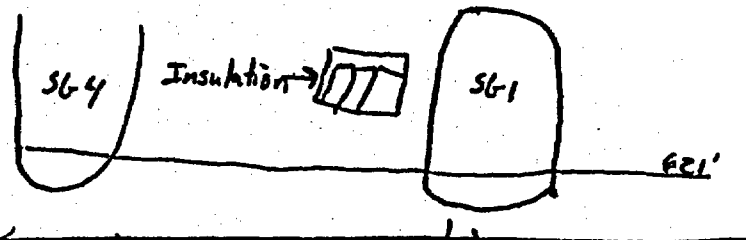
COMMENTS / MAP SPACE

99-1106 02 Insulators to S/G 1 to remove insulation ring under grating. on 621'

Insulation was ≤ 5000 dpm/100cm² 2.5 to 4 mR/hr

It was bagged and put in window behind S/G 1

5 bags were tagged



TECHNICIAN [signature] SUPERVISOR [signature]

JOB COVERAGE LOGSHEET

JC-400 6

LOGSHEET NO. 9956-1935

RWP#: 99 0106 02 TECHNICIAN: HR Timin Date/Time: 12/22/99 0900

DESCRIPTION OF WORK COVERED: U-1 S/G 1 C/L Insulation Removal

LOCATION: U-1 S/G 1 610' from 598'

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): 3 to 20

CONTACT DOSE RATE(S): 10 to 50 on loops 55 on insulation post removal

INST. TYPE: RSO INST #: 359/334

G/A SMEARABLE CONTAMINATION: <1000 to 10,000

EQUIP. EXT. CONTAMINATION: 20,000 to 8 rad/hr

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: RM14 INST #: 8809

WORK AREA

☒ EASILY ACCESSABLE ☒ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: N/A

POSTING

☐ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☒ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☒ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRBORNE

A/S #: 1841 ☐ HI VOL ☒ LO VOL ☐ GILLIAN INST #: LV 623

RESULTS IN MICRO ci/cc AND DAC'S: No Peaks 0.0 DAC

RESP. WORN? ☐ Y ☒ N

HEPA USED? ☐ Y ☒ N

P.C.'S

DRESS CODE USED: H A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: N/A

COMMENTS / MAP SPACE

Insulation was tagged and tagged and stored against wall under loop.

TECHNICIAN [signature] SUPERVISOR [signature]

RADIOLOGICAL AREA STATUS SHEET 88

AREA DESCRIPTION S/G PLATFORM NO. 4 UNIT NO. 1 **MAP NO.** 139

AREA CLASSIFICATION
- ☐ RADIATION
- ☐ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☐ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

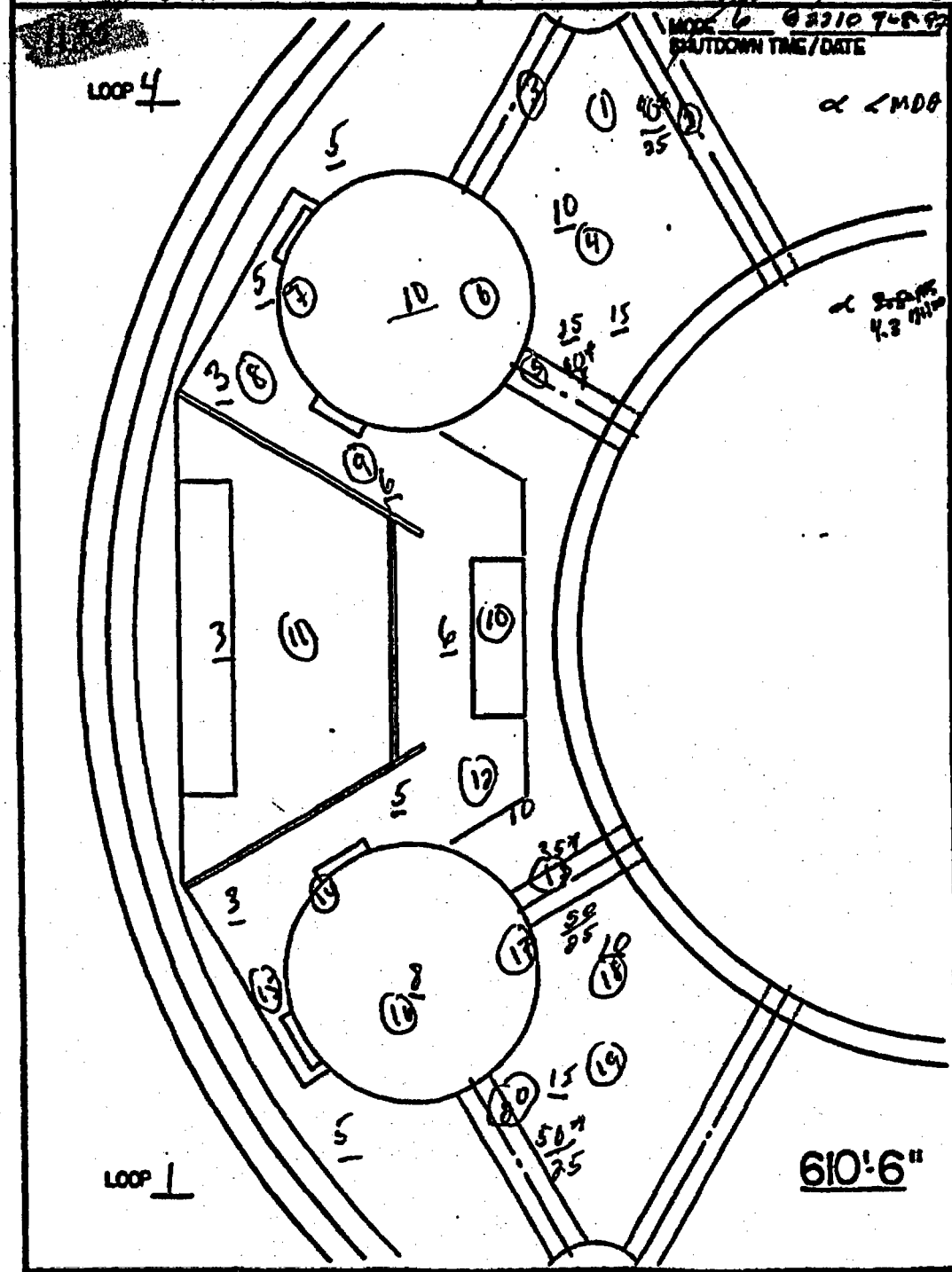
REMARKS
[redacted]
MDA - 3.8dpm α
UNLESS NOTED: ✱ DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100 CM

METER TYPE/NO.
RSO 354
RM14 8809
TN-2

REASON FOR SURVEY
Post Drain down + Weekly Routine
RWP [redacted]

SURVEYED BY J. Sa[illegible] TIME 1660 DATE 1-1-00
REVIEWED BY [signature] DATE 1-2-00

[redacted]
MODE 6 @ 2310 7-8-99
SHUTDOWN TIME/DATE



CONTAMINATION / REMARK

1	2000 / floor
2	1500 / pipe
3	2000 / support
4	1200 / floor
5	2000 / pipe
6	2500 / bowl
7	1260 / floor
8	2000 /
9	1500 /
10	1260 /
11	2000 /
12	1500 / floor
13	1860 / pipe
14	1200 / support
15	3000 / floor
16	1500 / support
17	1860 / bowl
18	1200 / floor
19	1500 / "
20	1500 / pipe
21	/
22	/
23	/
24	/
25	/
26	/
27	/
28	/
29	/
30	/

RADIOLOGICAL AREA STATUS SHEET 89

A DESCRIPTION S/G PLATFORM NO. 22 UNIT NO. 1 | **MAP NO.** 139

EA CLASSIFICATION
- ☐ RADIATION
- ☒ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☒ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REASON FOR SURVEY
Post Drain Down & Routine weekly

RWP USED: 00-1110-01

REMARKS
[redacted]
MDA - 3.8 dpm α

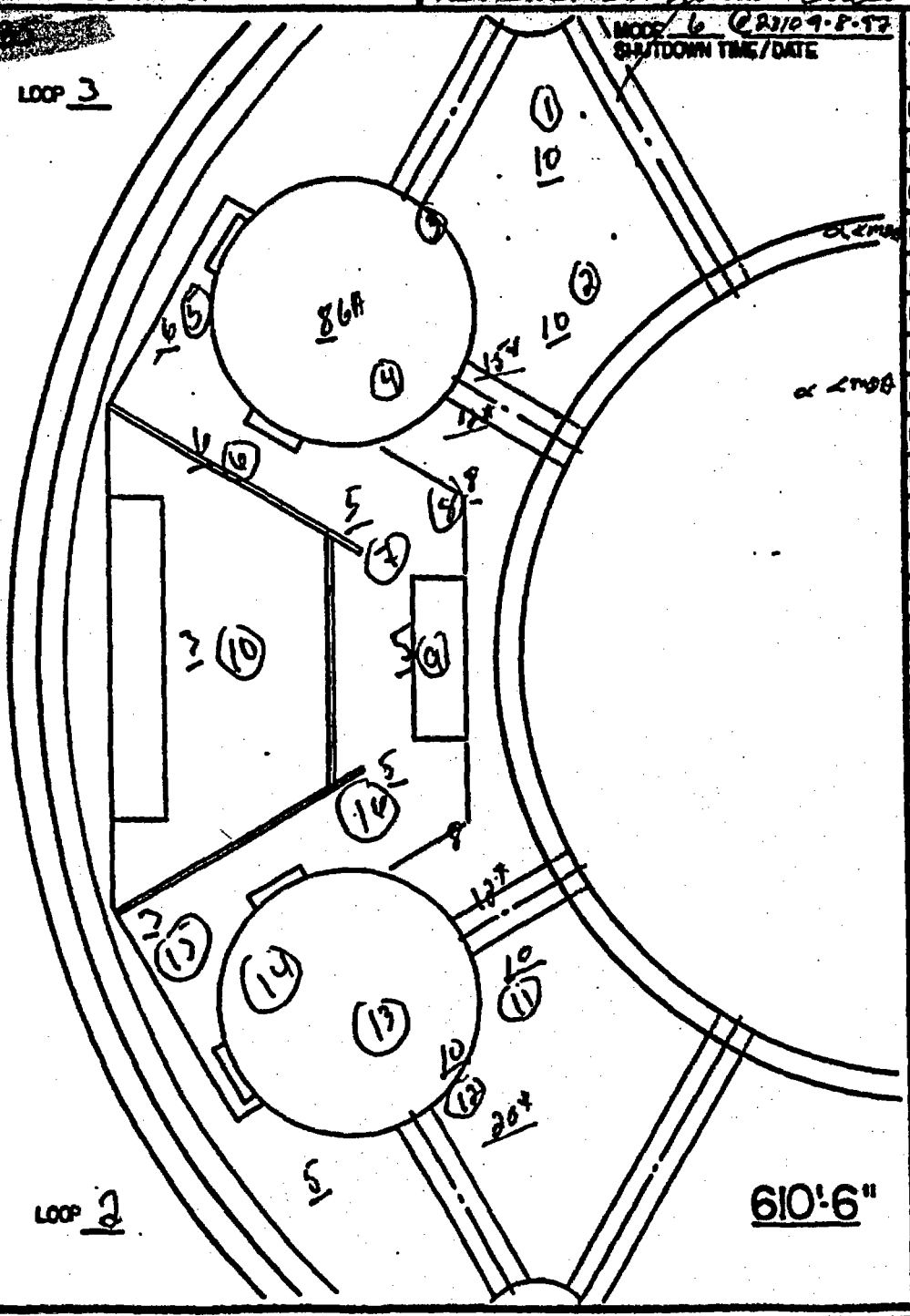
UNLESS NOTED: ✱ DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL. ✱ CONTAMINATION IN DPM / 100 CM²

METER TYPE / NO
RSO 359
RM14 5809 TN 2

SURVEYED BY J. Seitz | TIME 1630 | DATE 1-1-001
REVIEWED BY [signature] | DATE 1-2-00

[redacted]

MODE 6 @ 23:09 - 8-97
SHUTDOWN TIME / DATE



CONTAMINATION / REMARK

1	<1000 / floor
2	<1000 / "
3	1000 / pipe
4	2600 / pipe
5	1200 / floor
6	2000 / "
7	1200 / "
8	2000 / pipe
9	1500 / floor
10	1000 / "
11	1200 / "
12	1500 / pipe
13	1200 / bell
14	2000 / sump
15	1200 / floor
16	1000 / "
17	/
18	/
19	/
20	/
21	/
22	NA
23	/
24	/
25	/
26	/
27	/
28	/
29	/
30	/

RADIOLOGICAL AREA STATUS SHEET

87

AREA DESCRIPTION STEAM GENERATOR HOT LEG PIPE CUT
STEAM GENERATOR #3 (UNIT #1)

MAP NO. [redacted]

AREA CLASSIFICATION
- [ ] RADIATION
- [ ] HIGH RADIATION
- [ ] EXTREME HIGH RADIATION
- [ ] CONTAMINATION
- [ ] AIRBORNE RADIOACTIVITY

REMARKS HOT LEG CUT
AREA SHOWED 10 mR/HR GAMMA INCREASE AND HOMOGENOUS BETA @ PIPE CUT AREA.

METER TYPE/NO.
RS050E #349
RM14 # 7422

UNLESS NOTED: * DENOTES CONTACT/30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100 CM²

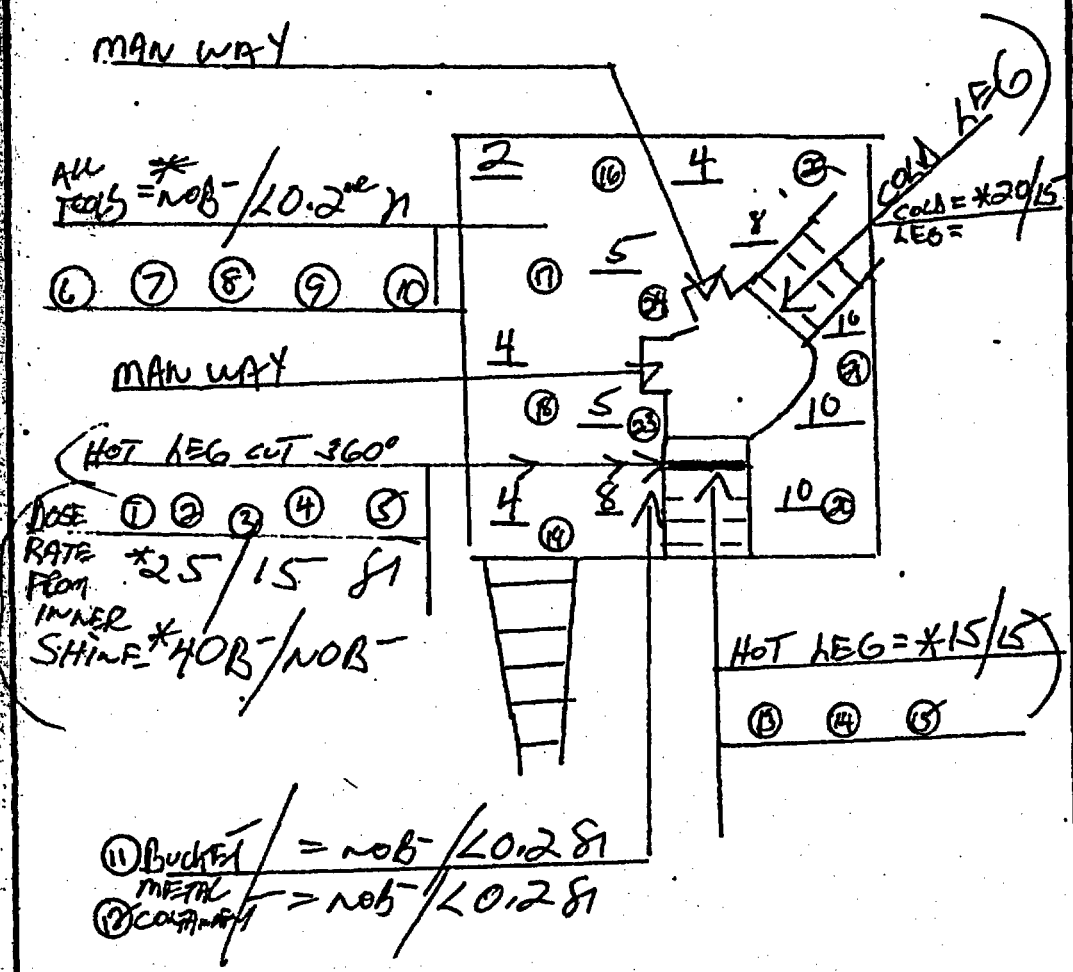
REASON FOR SURVEY UNIT #1
RCS PIPE CUT S/G #3

RWP USED: [redacted]

SURVEYED BY BRADY **TIME** 1730 **DATE** 1/12/00

REVIEWED BY [signature] **DATE**

UNDER SIDE STEAM GENERATOR #3 PIPE-CUT PLATFORM



(11) BUCKET = NOB-/<0.2 BI
(12) METAL CONTAMINATION = NOB-/<0.2 BI

	CONTAMINATION/REMARKS	
1	<1000 B- BI	CUT KERF
2		270°
3		180°
4		90°
5	<1000 B- BI	CUT KERF 360°
6	<1000 B- BI	TOOLS
7		
8		
9		
10	<1000 B- BI	TOOLS
11	<1000 B- BI	RCS BUTTER BUCKET INSIDE
12		CATCH UNDER HOT LEG
13		CUTTING HOT LEG PIPE
14		HOT LEG PIPE
15		CUTTING HOT LEG PIPE
16	<1000 B- BI	PLATFORM
17		
18		
19		
20		
21		
22		
23		
24	<1000 B- BI	PLATFORM
25		
26		
27		
28		
29		
30		

RELIEVED BY NIGHT SHIFT RP @ 1730.
HOT LEG CUT COMPLETED @ RELIEF TIME
HOT LEG PRE BREACH = NOB-/15 mR/HR BI CONTACT
HOT LEG POST BREACH = 4.0 mRad/25 mR/HR BI CONTACT
HOT LEG POST BREACH = NOB-/15 mR/HR BI @ 30 cm

RADIOLOGICAL AREA STATUS SHEET 86

AREA DESCRIPTION S/G 1-3 COLD LEG BREACH

AREA CLASSIFICATION
- [redacted] RADIATION
- [redacted] HIGH RADIATION
- [ ] EXTREME HIGH RADIATION
- [redacted] CONTAMINATION
- [ ] AIRBORNE RADIOACTIVITY

REMARKS [redacted]

UNLESS NOTED * DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM / 100 CM²

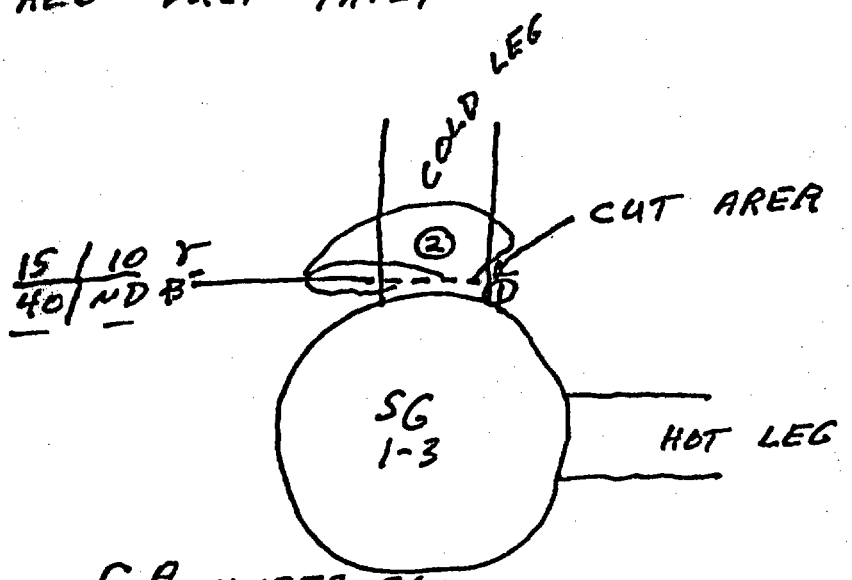
METER TYPE / NO.
R5050 039
RM-14 8809
LV 7814

REASON FOR SURVEY
BREACH OF COLD LEG

RWP USED [redacted]

SURVEYED BY H. Ehrenfeld | TIME 1800 | DATE 1-12-00
REVIEWED BY [signature] | DATE 1/12/00

CUT AREAS WERE TAPED CLOSED USING RED DUCT TAPE.



GA UNDER S/G
5 - 10

NO HOT PARTICLES FOUND

AIR SAMLE #184
NO PEAKS
COUNTER #2

	CONTAMINATION / REMARKS	
1	5K	/ CUT AREA
2	<1K	/ BELOW CUT AREA
3		/
4		/
5		/
6		/
7		/
8		/
9		/
10		/
11		/
12	N/A	
13		/
14		/
15		/
16		/
17		/
18		/
19		/
20		/
21		/
22		/
23		/
24		/
25		/
26		/
27		/
28		/
29		/
30		/

0016311.6437

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RADIOLOGICAL AREA STATUS SHEET 85

AREA DESCRIPTION STEAM GENERATOR PLATFORM # 2 + # 3 UNIT #1 CONTAINMENT

MAP NO.

AREA CLASSIFICATION
- ☐ RADIATION
- ☐ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☐ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS DAILY - ROUTINE [redacted]

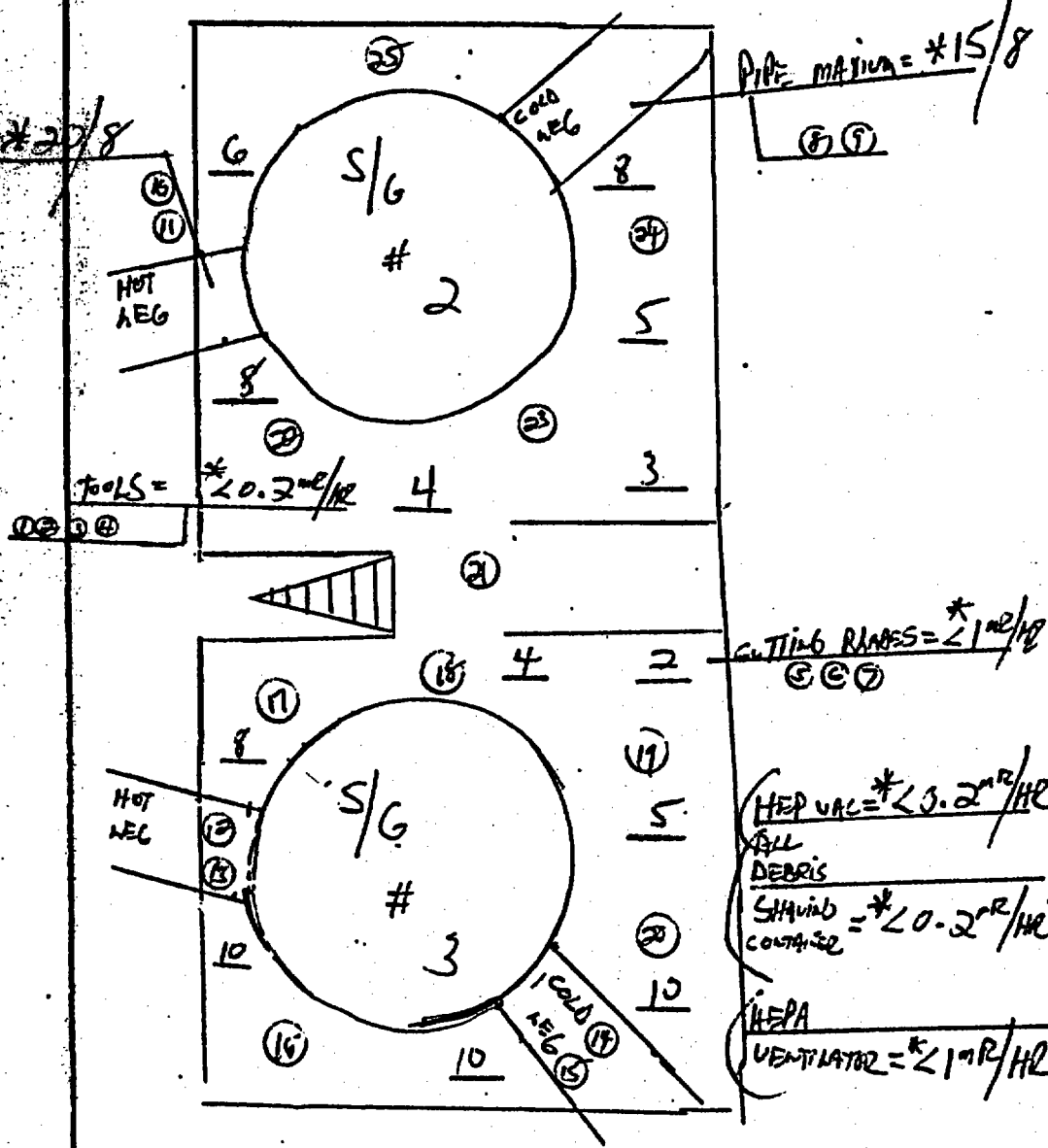
METER TYPE / NO. RSO5-OE #354 Rm 14 # 7422

REASON FOR SURVEY SHIFTY ROUTINE

RWP USE [redacted]

UNLESS NOTED * DENOTES CONTACT / 30 CM. DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM / 100 C

SURVEYED BY [illegible]	TIME 0830	DATE 1/13/00
REVIEWED BY [illegible]		DATE 1/13/00



CONTAMINATION / REMARK

1	<1000 B-β / TOOLS
2	/ TOOLS
3	/ TOOLS
4	/ TOOLS
5	/ BLADES
6	/ BLADES
7	/ BLADES
8	<1000 B-β / PIPE
9	/
10	/
11	/
12	/
13	/
14	/
15	/
16	<1000 B-β / PIPE
17	<1000 B-β / FLOOR
18	/
19	/
20	/
21	/
22	/
23	/
24	/
25	<1000 B-β / FLOOR
26	/
27	/
28	/
29	/
30	/

RADIOLOGICAL AREA STATUS SHEET 84

AREA DESCRIPTION UNIT #1 S/G #2 HOT & COLD LEG PIPE CUT & PLATFORM.

MAP NO.

AREA CLASSIFICATION
- [ ] RADIATION
- [ ] HIGH RADIATION
- [ ] EXTREME HIGH RADIATION
- [ ] CONTAMINATION
- [ ] AIRBORNE RADIOACTIVITY

REMARKS BREECH PIPE CUT RCS S/G #2 HOT & COLD LEG [redacted]

METER TYPE/NO. RS050E = 254 Rm 14# = 7422

UNLESS NOTED: * DENOTES CONTACT /30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100C²

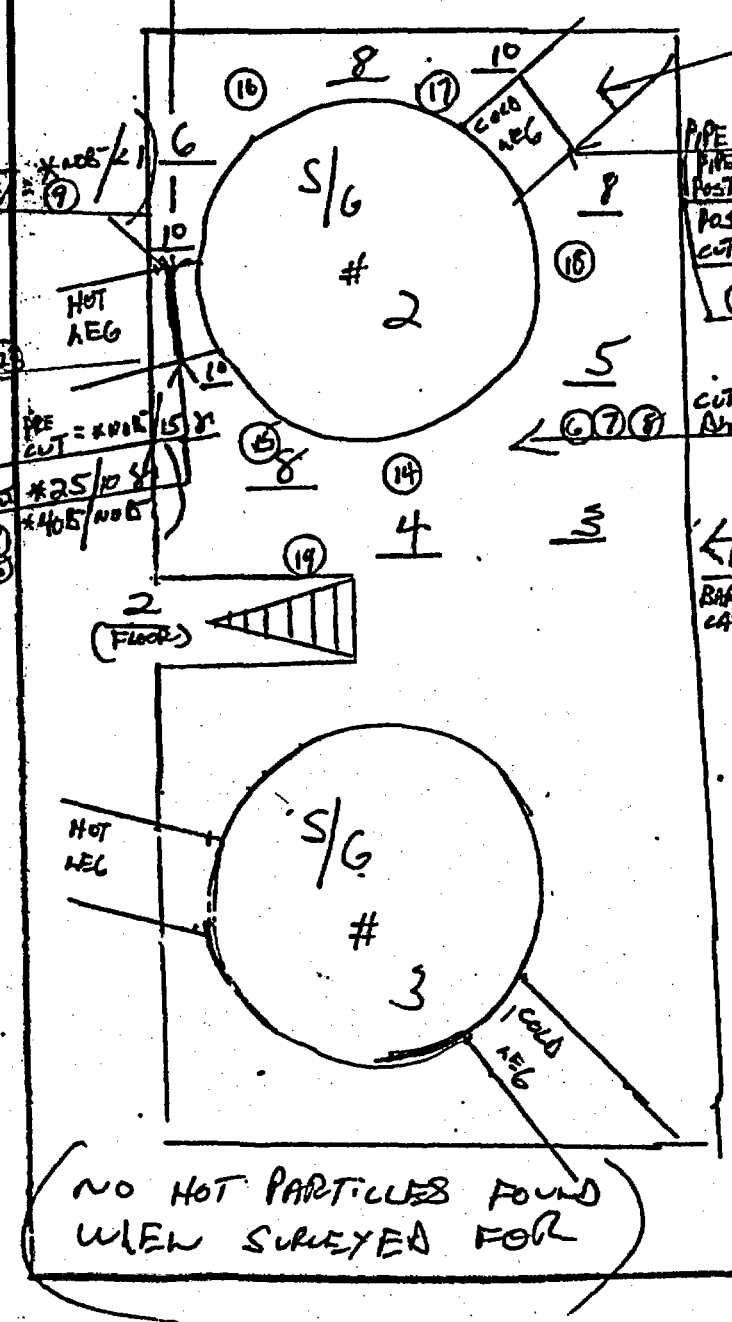
REASON FOR SURVEY PIPE CUT RCS

RWP USED [redacted]

SURVEYED BY BRADY [redacted] TIME 1700 DATE 1/13/00

REVIEWED BY [signature] DATE 1/13/00

VERY LITTLE LEAK
HOT LEG = BUCKET & CATCH ESTABLISHED (1)



NO HOT PARTICLES FOUND WHEN SURVEYED FOR

CONTAMINATION/REMARKS

(1)	<1000B-β / 1" SIDE BUCKET
(2)	/ 1" SIDE PIPE 0°
(3)	/ 1" PIPE SIDE 90°
(4)	/ 180°
(5)	/ 1" SIDE 270°
(6)	/ TOOLS
(7)	/ TOOLS
(8)	/ TOOLS
(9)	/ 1" SIDE HOT LEG/BUCKET
(10)	/ 1" SIDE PIPE 00
(11)	<1000B-β / 90°
(12)	/ 180°
(13)	/ 1" SIDE PIPE 270°
(14)	/ FLOOR
(15)	/
(16)	/
(17)	/
(18)	/ FLOOR
(19)	/ 1" OUT SIDE PIPE
(20)	/
(21)	/
(22)	<1000 B-β / 1" OUT SIDE PIPE
(23)	/
(24)	/
(25)	/
(26)	/
(27)	/
(28)	/
(29)	/
(30)	/

RADIOLOGICAL AREA STATUS SHEET

AREA DESCRIPTION UNIT #1 CONTAINMENT S/G PLATFORMS #2 & #3

MAP NO. 83

AREA CLASSIFICATION
- ☐ RADIATION
- ☐ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☐ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS [redacted]

METER TYPE/NO. RS050E #359 RM 14 # 8809

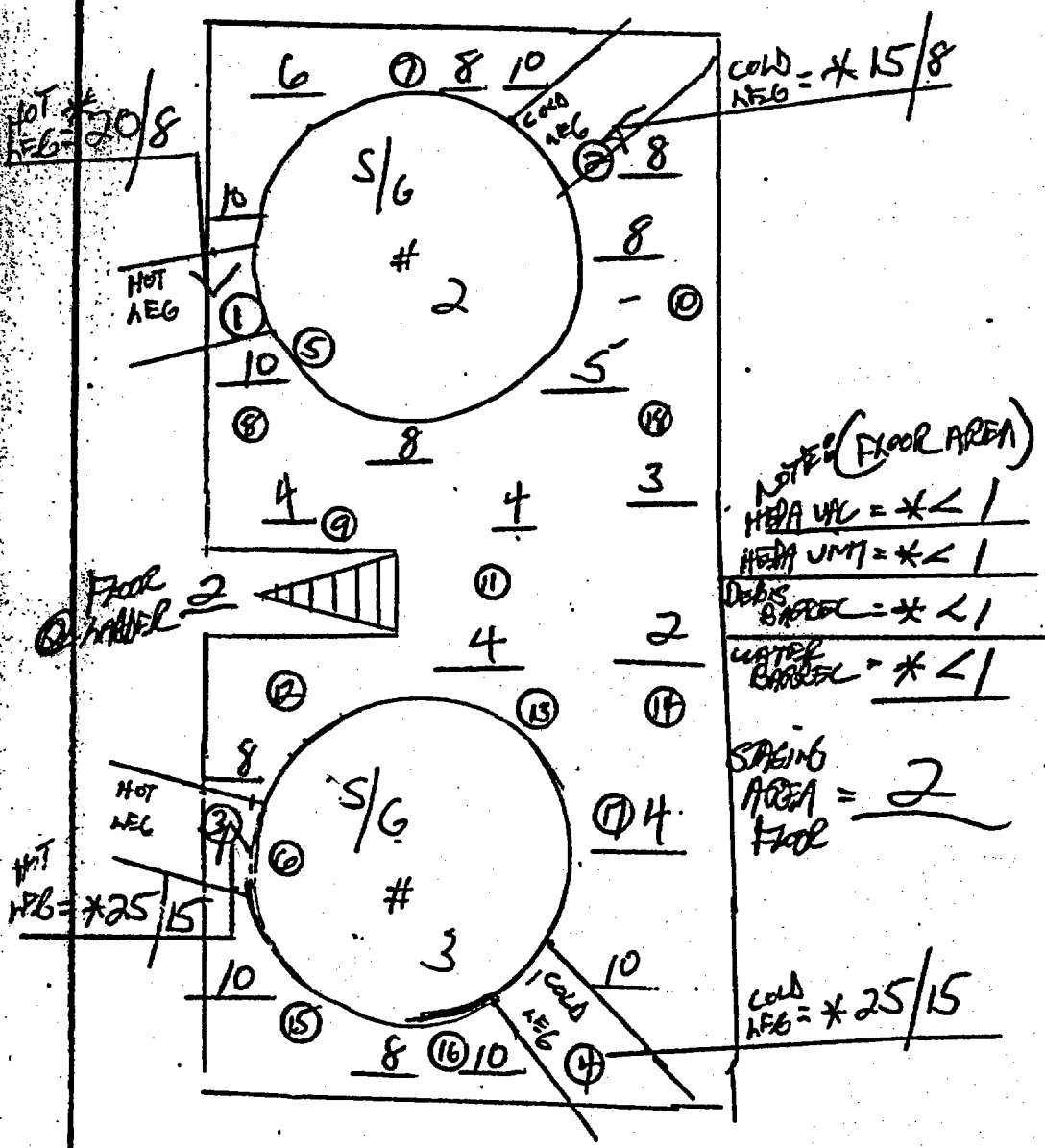
REASON FOR SURVEY DAILY ROUTINE

RWP USED [redacted]

UNLESS NOTED: * DENOTES CONTACT/30 CM. DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100 CM²

SURVEYED BY [illegible] TIME 0800 DATE 1/15/00

REVIEWED BY [illegible] DATE 1/15/00



CONTAMINATION/REMARKS

1	<1000 B-β / HATCH LEAKY
2	↑ ↑ / HATCH NO LEAK
3	/ HATCH RAM
4	/ HATCH
5	↓ ↓ / LEAK BLOCK
6	<1000 B-β / LEAK BLOCK
7	<1000 B-β / PLATFORM
8	↑ ↑ ↑ /
9	/
10	/
11	/
12	/
13	/
14	/
15	/
16	/
17	↓ ↓ ↓ / PLATFORM
18	<1000 B-β / PLATFORM
19	/
20	/
21	/
22	/
23	/
24	/
25	/
26	/
27	/
28	/
29	/
30	/

RADIOLOGICAL AREA STATUS SHEET 82

AREA DESCRIPTION S/G PLATFORM NO. 4 UNIT NO. 1 **MAP NO.** 139

AREA CLASSIFICATION
- ☐ RADIATION
- ■ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ■ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS Survey Taken @ Start of Cut Set Ups

METER TYPE/NO. RSO 359 RM14 8809 [redacted]

UNLESS NOTED: * DENOTES CONTACT / 30 CM. DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM / 100 CM²

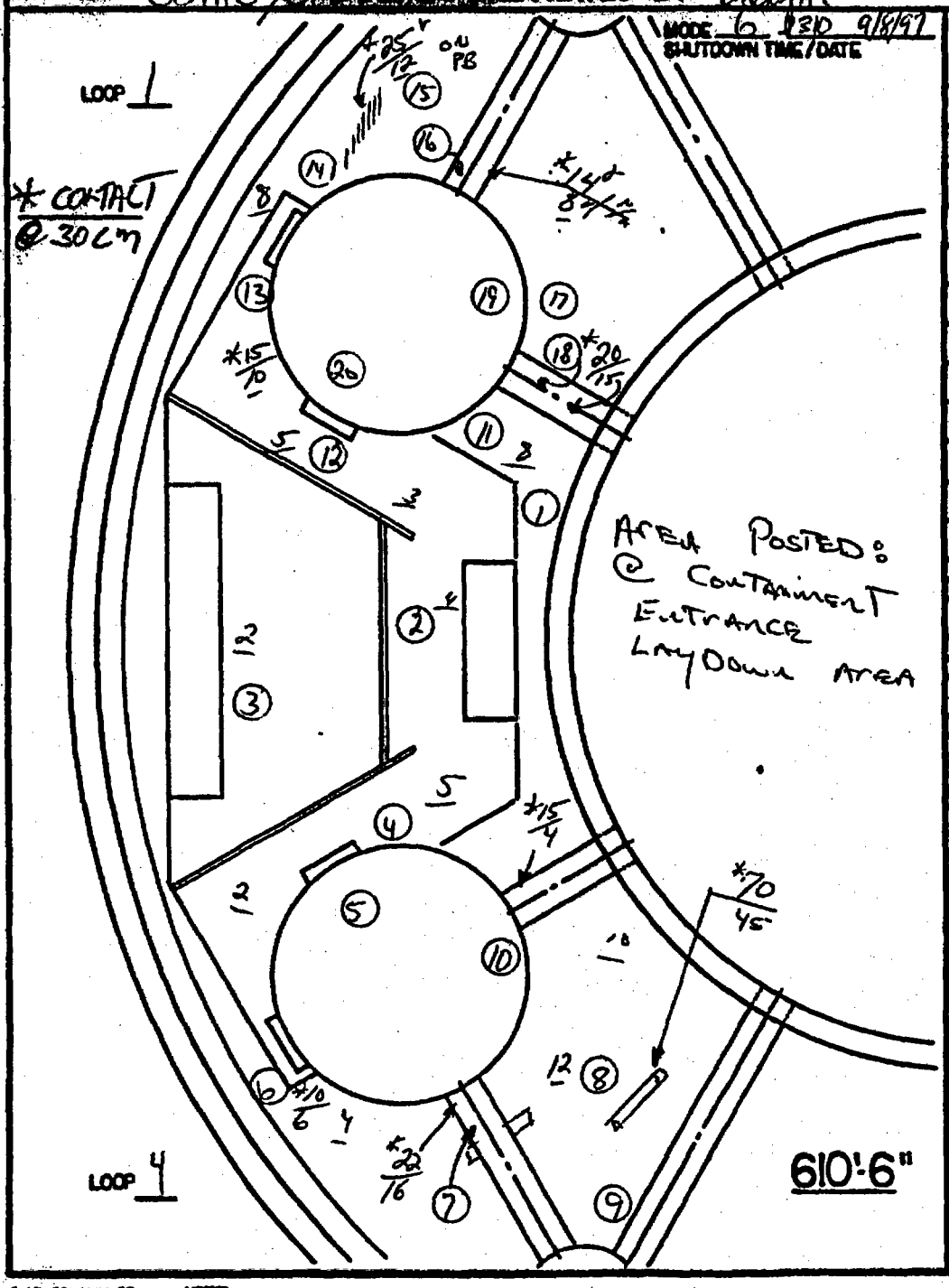
REASON FOR SURVEY Shifty Routine

RWP USED: 001110 [redacted]

SURVEYED BY [illegible] **TIME** 0830 **DATE** 1-15-00

REVIEWED BY [illegible] **DATE** 1-15-00

MODE 6 @ 1310 9/8/97 SHUTDOWN TIME/DATE



	CONTAMINATION / REMARKS
1	<1K / Floor
2	1K / Floor
3	<1K / Handrail
4	<1K / Leads
5	3K / S/G Bowl
6	1K / Floor
7	12K / Chair Tray Coolers
8	<1K / Drip Pans
9	25K / Chair Tray
10	<1K / S/G Bowl
11	/ Floor
12	/ Floor
13	/ Leads
14	/ Floor
15	3K / Pipes
16	1K / Cold Legs
17	1K / Floor
18	2K / Hot Legs
19	<1K / S/G Bowl
20	<1K / Manway
21	/
22	/
23	/ A
24	/
25	/
26	/
27	/
28	/
29	/
30	/

RADIOLOGICAL AREA STATUS SHEET 81

AREA DESCRIPTION S/G PLATFORM NO.__ UNIT NO.__ **MAP NO.** 139

AREA CLASSIFICATION
- ☐ RADIATION
- ☐ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☐ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REASON FOR SURVEY RCS pipe out on #1 S/G H/L + C/L

RWP [redacted]

REMARKS NO HOT PARTICLES FOUND
NO H2O from pipes
NO [illegible]
[redacted]

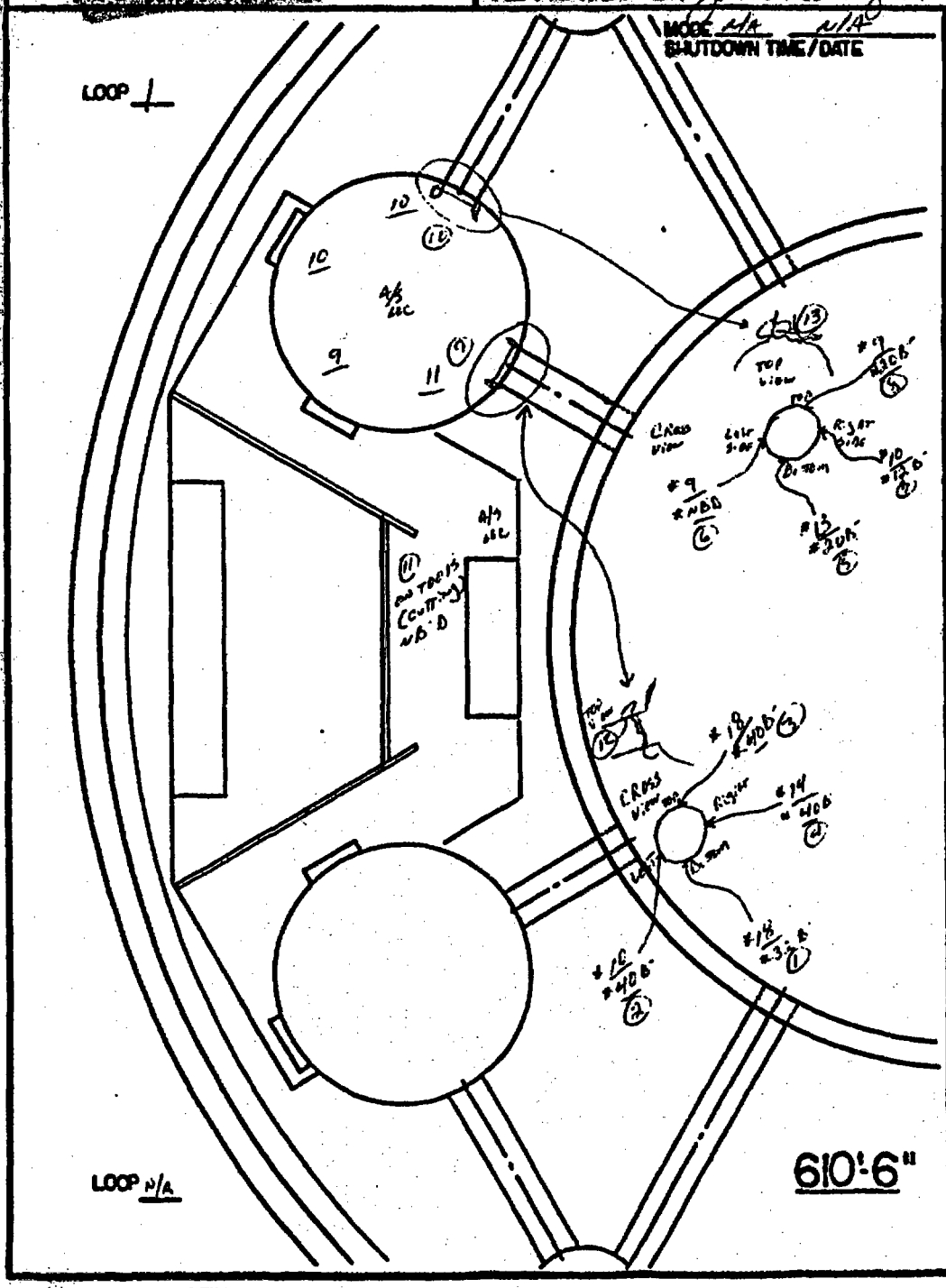
UNLESS NOTED ✱ DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100 CM²

METER TYPE/NO. RSO 394
RM-14 - 8809

SURVEYED BY L. Mottis / A. Dennis **TIME** 0500 **DATE** 1-16-00

REVIEWED BY John Belanger **DATE** 1-16-00

MODE N/A N/A
SHUTDOWN TIME/DATE



	CONTAMINATION / REMARKS	
1	<1K	PIPE BELOW CUT
2	<1K	
3	<1K	
4	<1K	
5	<1K	
6	<1K	
7	<1K	
8	<1K	
9	<1K	PIPE BELOW CUT
10	<1K	floor UNDER PIPE
11	<1K	floor UNDER
12	200 cpm	LAG ON PIPE
13	250 cpm	LAG ON PIPE
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		

UNIT #1 CONTAINMENT S/G #1 & #4 PLATFORMS

AREA CLASSIFICATION
- ☐ RADIATION
- ■ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ■ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REASON FOR SURVEY
DAILY - ROUTINE SURVEY

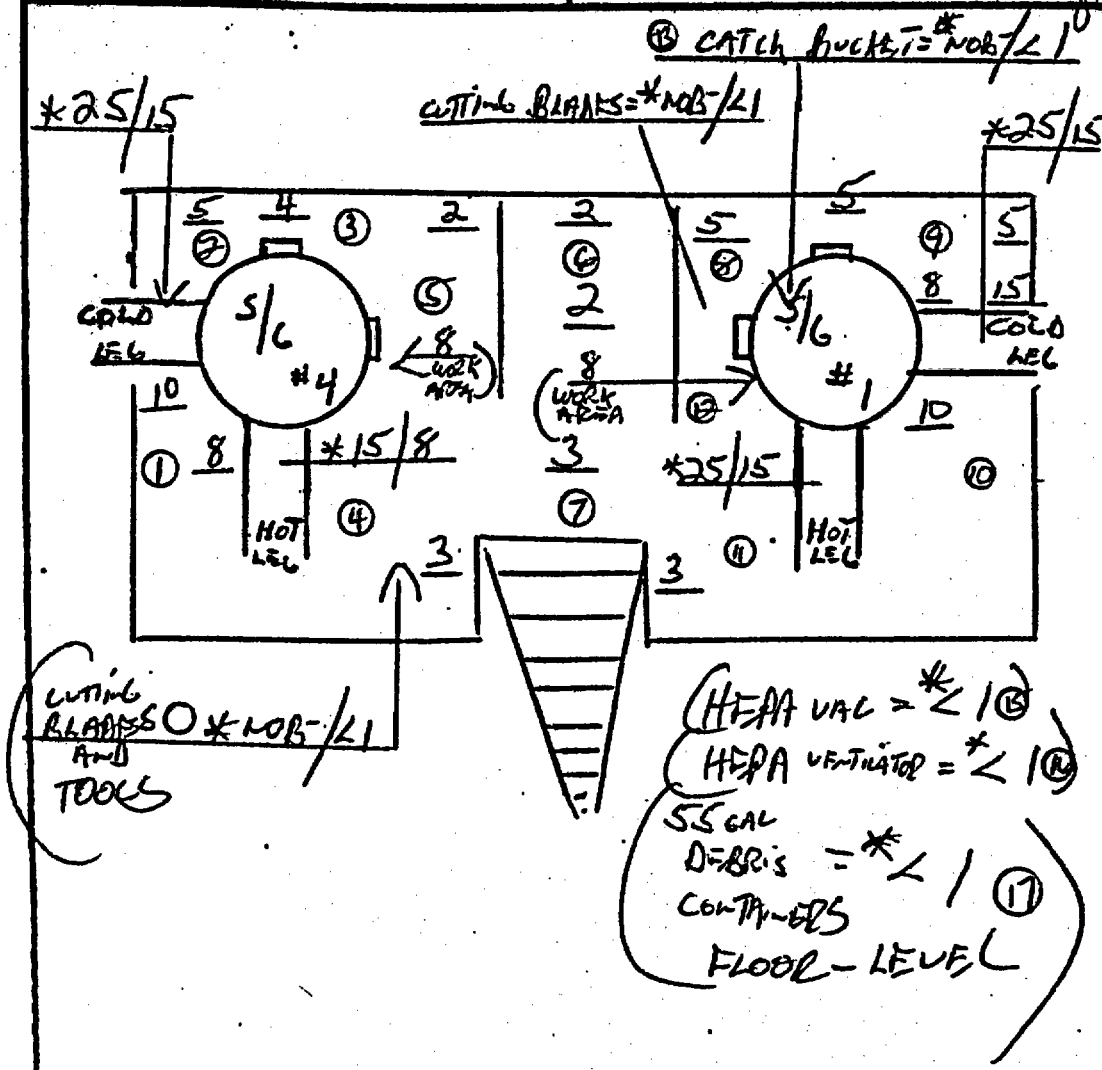
RWP USED [redacted]

REMARKS
NBR# [redacted]

UNLESS NOTED: * DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM

METER TYPE
RM14 972
RSO50 E# 747

SURVEYED BY [redacted] TIME 0900 DATE 1/17/00
REVIEWED BY [illegible] DATE 1/17/00



S/G #1 & #4 PLATFORM

CONTAMINATION / REMA

1	<1000B-Sn / PLAT FORM
2	↑ / ↑
3	/
4	/
5	/
6	/
7	/
8	/
9	/
10	/
11	/
12	<1000B-Sn / PLAT FORM
13	<1000B-Sn / BUCKET
14	<1000B-Sn / TOOLS
15	<1000B-Sn / VAC
16	<1000B-Sn / VEN
17	<1000B-Sn / BARREL
18	/
19	/
20	/
21	/
22	/
23	/
24	/
25	/
26	/
27	/
28	/
29	/
30	/

RADIOLOGICAL AREA STATUS SHEET 76

AREA DESCRIPTION UNIT #1 S/G #1 & #4

MAP NO.

AREA CLASSIFICATION
- ☐ RADIATION
- ■ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ■ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS [redacted]

METER TYPE / NO.
RS050 #747
RM14 #8809

UNLESS NOTED, * DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM / 100 CM

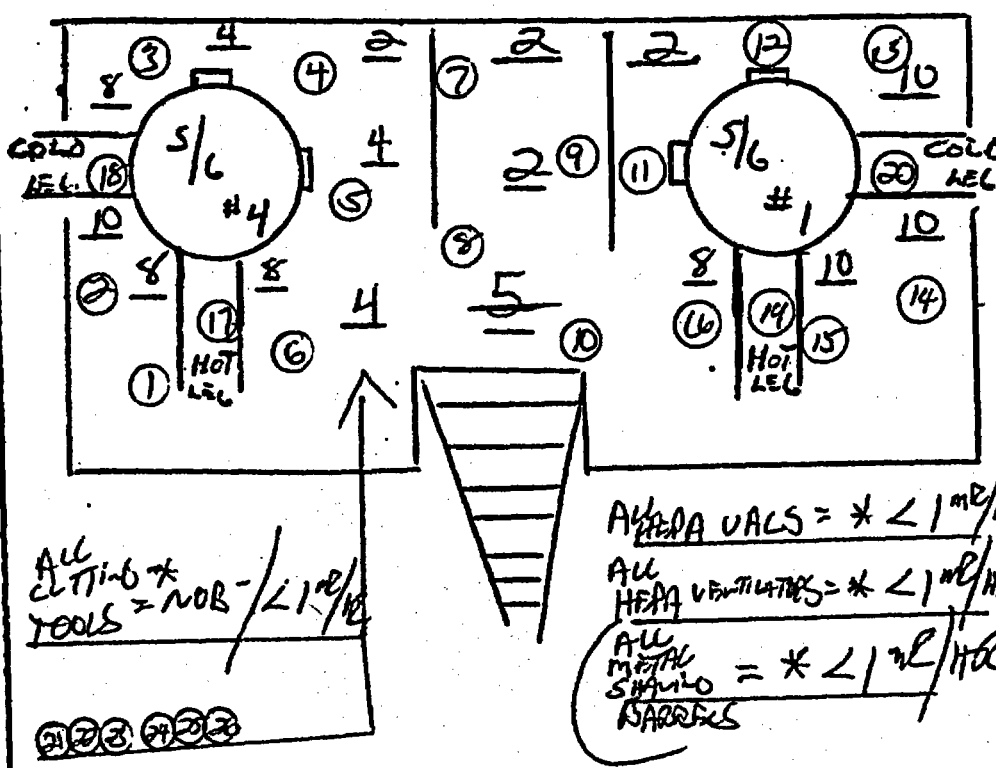
REASON FOR SURVEY ROUTINE SURVEY

RWP [redacted]

SURVEYED BY [illegible] | TIME 1000 | DATE 1/18/00

REVIEWED BY [illegible] | DATE 1/18/00

MAXIMUM RCS PIPING
IS * 25 mR/HR ON CONTACT
10 mR/HR @ 30cm



CONTAMINATION / REMARKS

1	< 1000 B-84 / PLATFORM
2	↑ / ↑
3	/
4	/
5	/
6	/ /
7	< 1000 B-84 /
8	2000 B-84
9	< 1000 B-84 /
10	↑ /
11	/
12	/
13	/
14	/
15	/
16	/ PLATFORM
17	/ PIPING
18	/ ↑
19	/ / ↓
20	< 1000 B-84 PIPING
21	< 1000 B-84 / TOOLS
22	↑ / ↑
23	/
24	/
25	/ /
26	< 1000 B-84 / TOOLS
27	/
28	/
29	/
30	/

RADIOLOGICAL AREA STATUS SHEET 75

AREA DESCRIPTION UNIT #1 CONTAINMENT S/G #1 & #4 PLATFORM

MAP NO.

AREA CLASSIFICATION
- ☐ RADIATION
- ☐ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☐ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REASON FOR SURVEY [redacted]

RWP USED: [redacted]

REMARKS BREECH/PIPE CUT ON S/G #1/4 COLD LEG:

METER TYPE/NO. RSO50 E: 354 Rm 14# 8809

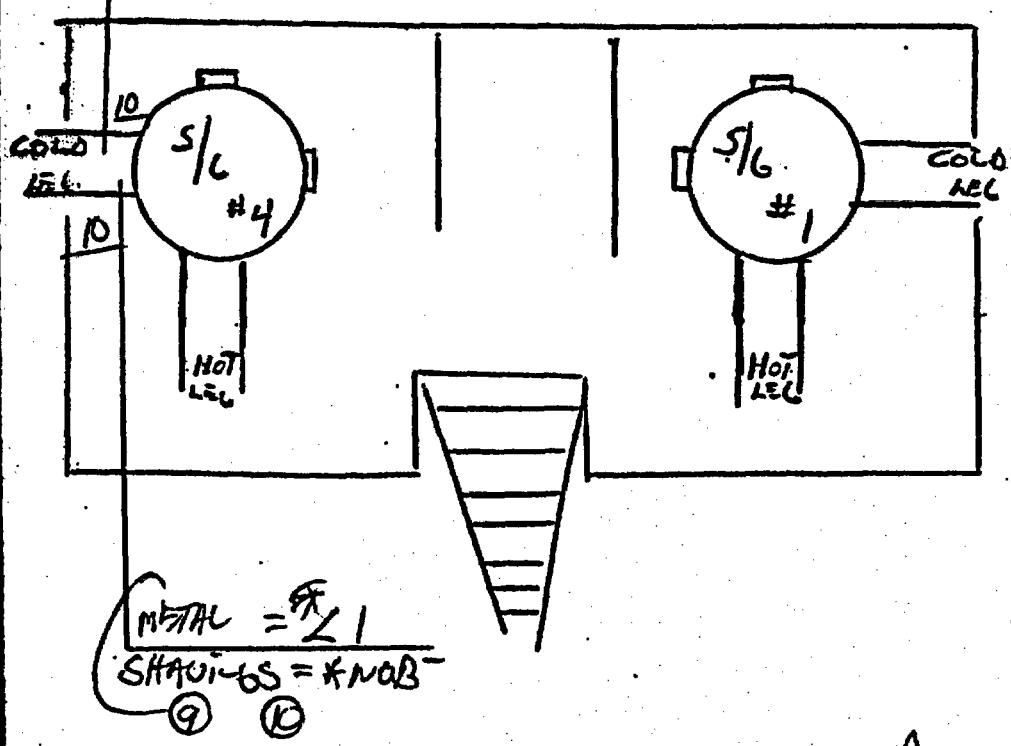
UNLESS NOTED: * DENOTES CONTACT/30 CM. DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100 CM

SURVEYED BY BRADY | TIME 1250 | DATE 1/18/00

REVIEWED BY Van Dayner | DATE 1/18/00

COLD LEG CUT = *25/10 ⑤⑥⑦⑧
*40B⁻/NOB⁻

CUTTING TOOL = *<1 ①②
*NOB⁻ ③④



METAL = *<1
SHAVINGS = *NOB⁻
⑨ ⑩

NO HOT PARTICLES FOUND ON LARGE AREA MASSHIN IN SIDE PIPE KURF, TOOLS, CONTAINMENT CATCH & WORKERS.

CONTAMINATION/REMARKS

①	<NOB-81 / CUTTER
②	/
③	/
④	/ CUTTER
⑤	/ KURF @ 0°
⑥	/ KURF @ 90°
⑦	/ KURF @ 180
⑧	<NOB-81 / KURF @ 270°
⑨	<NOB-81 / CATCH
⑩	<NOB-81 / CATCH
⑪	/
⑫	/
⑬	/
⑭	/
⑮	/
⑯	/
⑰	/
⑱	/
⑲	/
⑳	/
㉑	/
㉒	/
㉓	/
㉔	/
㉕	/
㉖	/
㉗	/
㉘	/
㉙	/
㉚	/

RADIOLOGICAL AREA STATUS SHEET 74

AREA DESCRIPTION U-1 LOWER CTMT BREACH HOT LEG S/G 1-4

MAP NO.

AREA CLASSIFICATION
- [redacted] RADIATION
- [redacted] HIGH RADIATION
- [redacted] EXTREME HIGH RADIATION
- [redacted] CONTAMINATION
- [redacted] AIRBORNE RADIOACTIVITY

REMARKS
[redacted]
AIR SAMPLE NO PEAKS:

METER TYPE/NO.
RSO 342
RM14 8809

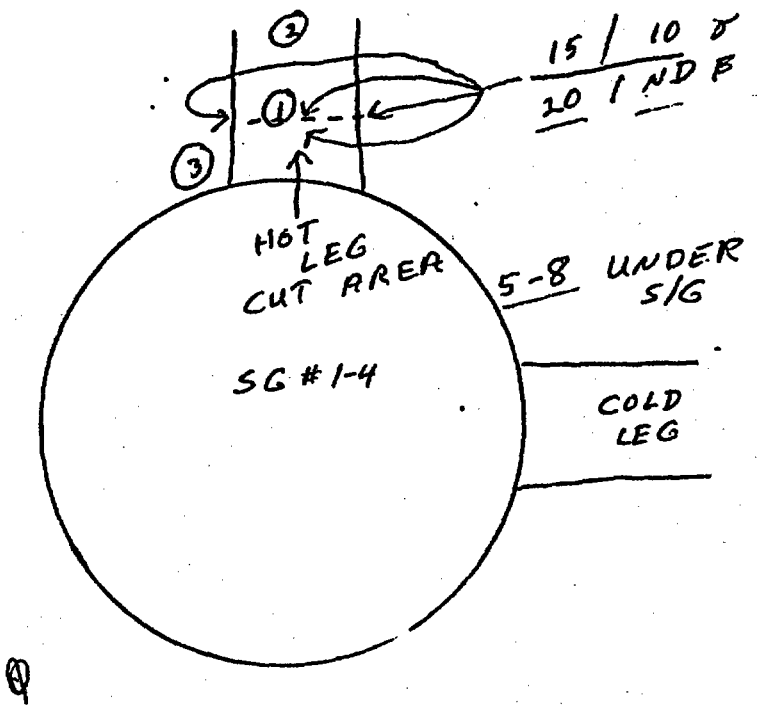
UNLESS NOTED: * DENOTES CONTACT/30 CM
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100 CM²

REASON FOR SURVEY
BREACH

RWP USED: [redacted]

SURVEYED BY G. Edwards TIME 1800 DATE 01/18/00

REVIEWED BY Oscar Cobb DATE 1/19/00



CONTAMINATION/REMARKS

1	3K	INSIDE CUT
2	2K	PIPING
3	1K	FLOOR
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16	N/A	
17		
18		
19		
20		
21		
22		
23		
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25		
26		
27		
28		
29		
30		

RADIOLOGICAL AREA STATUS SHEET

78

AREA DESCRIPTION UNIT #1 S/G #2 & #3 PLATFORMS

MAP NO.

AREA CLASSIFICATION
- ☐ RADIATION
- ☐ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☐ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS WELDING LUGS ON S/G #2 & #3 FOR SHOWER CAP INSTALLATION.

METER TYPE/NO. RSO50 #747 RM14 #8809

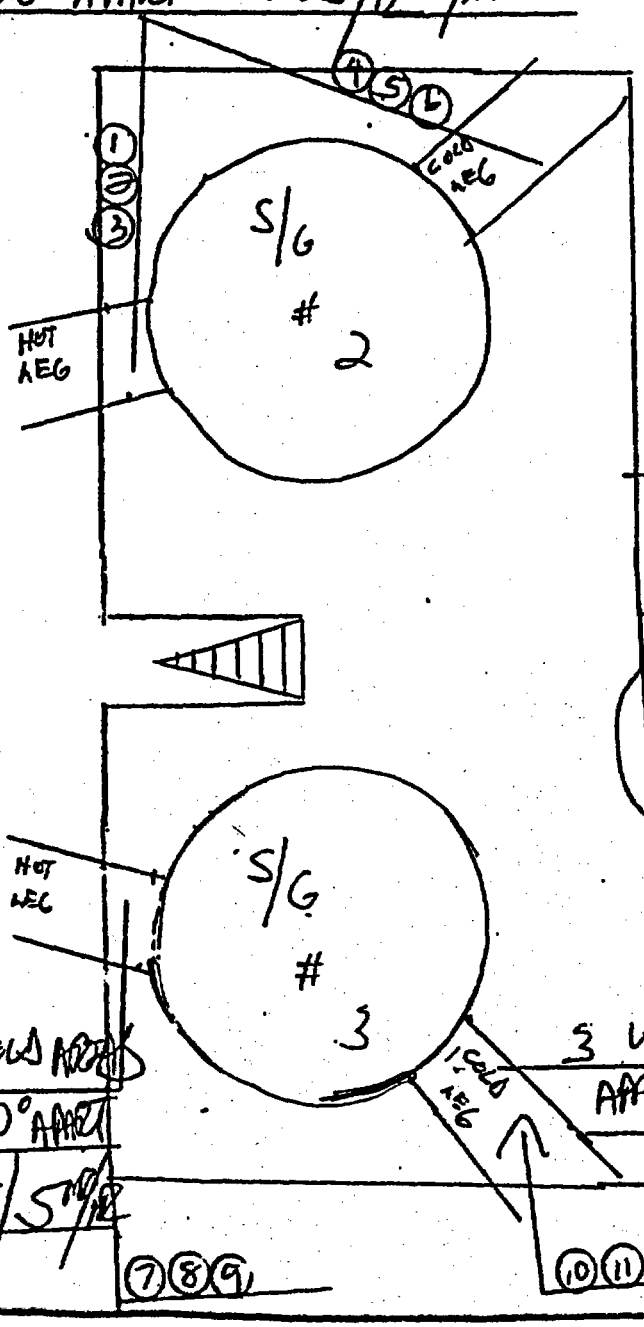
REASON FOR SURVEY [redacted]

RWP USED [redacted]

UNLESS NOTED: * DENOTES CONTACT/30 CM
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100CM²

SURVEYED BY Brady	TIME 1500	DATE 1/18/00
REVIEWED BY Ken Bryan		DATE 1/18/00

3 WELD AREAS @ 120° APART = *NOB/8 mR/HR



WELDERS WELDING ON #2 & #3 S/G. SHOWER CURTAIN LUGS BEING INSTALLED ON HOT & COLD LEGS, PIPING @ 120° APART. 3 LUGS PER PIPE. NOB ON ANY WELD AREAS UTILIZING IOL CHAMBER AND <100 cpm/LAS.

LAS = LARGE AREA SMEARS

3 WELD AREAS @ 120° APART — *NOB/5 mR/HR

#3 WELD AREAS @ 120° APART *NOB/5 mR/HR

CONTAMINATION/REMARKS

1	<100 cpm/LAS/WELD AREA
2	
3	
4	
5	
6	
7	
8	
9	
10	<100 cpm/LAS/WELD AREAS
11	
12	
13	
14	
15	
16	
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AREA DESCRIPTION #3 Steam Generator.

MAP NO. 79

AREA CLASSIFICATION
- [ ] RADIATION
- [ ] HIGH RADIATION
- [ ] EXTREME HIGH RADIATION
- [ ] CONTAMINATION
- [ ] AIRBORNE RADIOACTIVITY

REMARKS

[redacted]

UNLESS NOTED * DENOTES CONTACT / 30 CM.
DOSE RATES IN MR / HR AT WAIST LEVEL & CONTAMINATION IN DPM / 100

METER TYPE / NO
RM-14 #8809

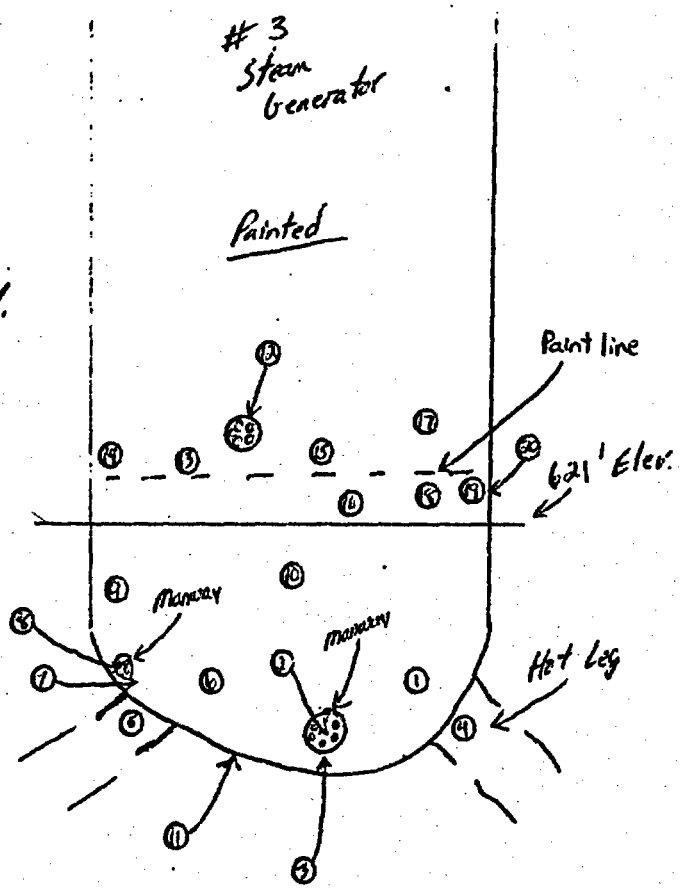
REASON FOR SURVEY
Survey to See if Decon is necessary Prior to Pick.

RWP USED: ~~00-1110-01~~ 00-11

SURVEYED BY T. Sullivan | TIME 1535 | DATE 1/18/00

REVIEWED BY - [signature] | DATE 1/18/00

[redacted]



CONTAMINATION / REMARKS

1	<1000	/ Bowl
2	<1000	/ Manway
3	8,000	/ under Manway
4	<1000	/ H/L
5	<1000	/ Int. Leg
6	2,000	/ Bowl
7	1,000	/ under Manway
8	1,000	/ Manway
9	<1000	/ Side
10	1,000	/ Backside
11	<1000	/ Bottom Bowl
12	↓	/ Key Hole Cover
13	1,000	/ Side Painted
14	1,000	/ ↓
15	<1000	/ ↓
16	↓	/ Below Paint
17	1,000	/ Painted Side
18	<1000	/ Below Paint
19	↓	/ ↓
20	1,000	/ ↓
21		/
22		/
23		/
24		/
25		N/A
26		/
27		/
28		/
29		/
30		/

RADIOLOGICAL AREA STATUS SHEET 73

AREA DESCRIPTION UNIT #1 S/G #1 + #4 PLATFORM

MAP NO.

AREA CLASSIFICATION
- ☐ RADIATION
- ☐ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☐ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REASON FOR SURVEY
ROUTINE SURVEY

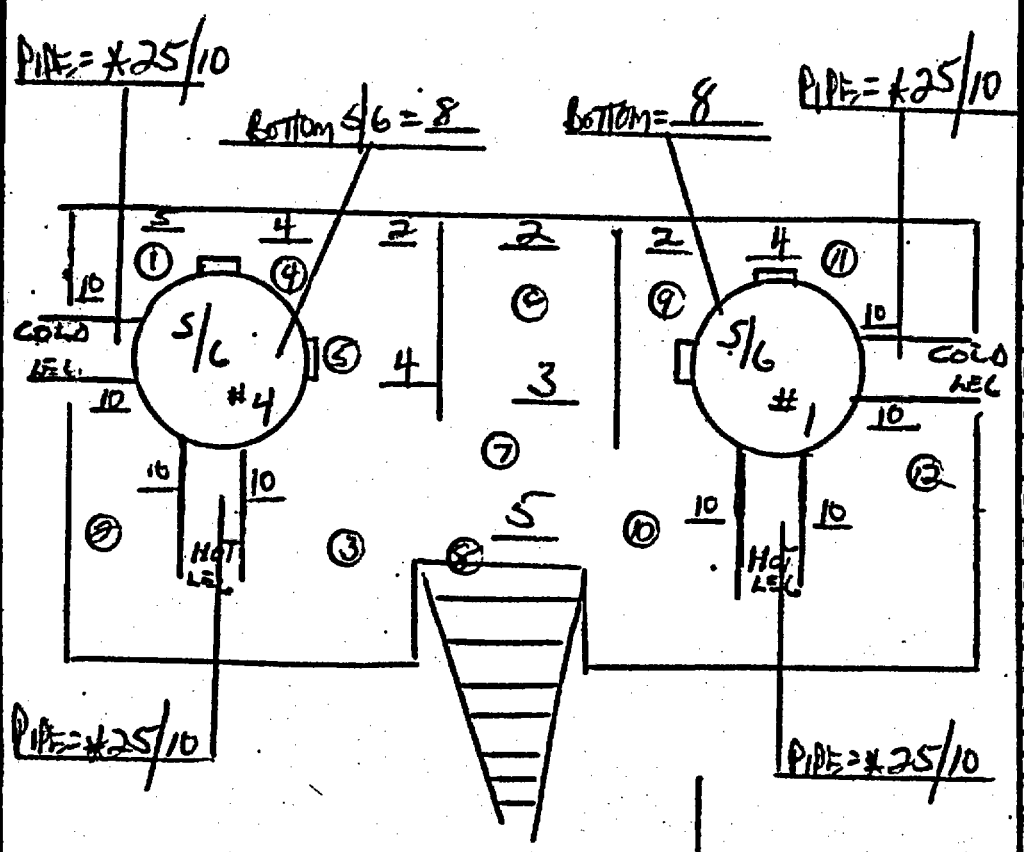
RWP USED: [redacted]

REMARKS
[redacted]

METER TYPE / NO.
RM14# 8809
RSO5DE# 352

UNLESS NOTED: * DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM / 100 CM

SURVEYED BY BRADY | TIME 0900 | DATE 1/19/00
REVIEWED BY John Belanger | DATE 1/19/00



HEPA VAC = *<1 (13)
HEPA VENTILATOR = *<1 (14)
DEBRIS BAGGER = *<1 (15)

CONTAMINATION / REMARKS

1	<1000B-SA / PLATFORM
2	
3	
4	
5	
6	
7	<1000B-SA /
8	2000B-SA /
9	<1000B-SA /
10	
11	
12	<1000B-SA / PLATFORM
13	<100 DPM/25 / VAC
14	<100 DPM/25 / VENTILATOR
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	

0016316424

RADIOLOGICAL AREA STATUS SHEET

7a

AREA DESCRIPTION unit #1 containment S/G #1 / #4 platform

MAP NO. 1/19/00

AREA CLASSIFICATION
- ☐ RADIATION
- ☒ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☒ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS WO# 00300604

METER TYPE / NO. RSO50E # B 332
RM14 # 8809

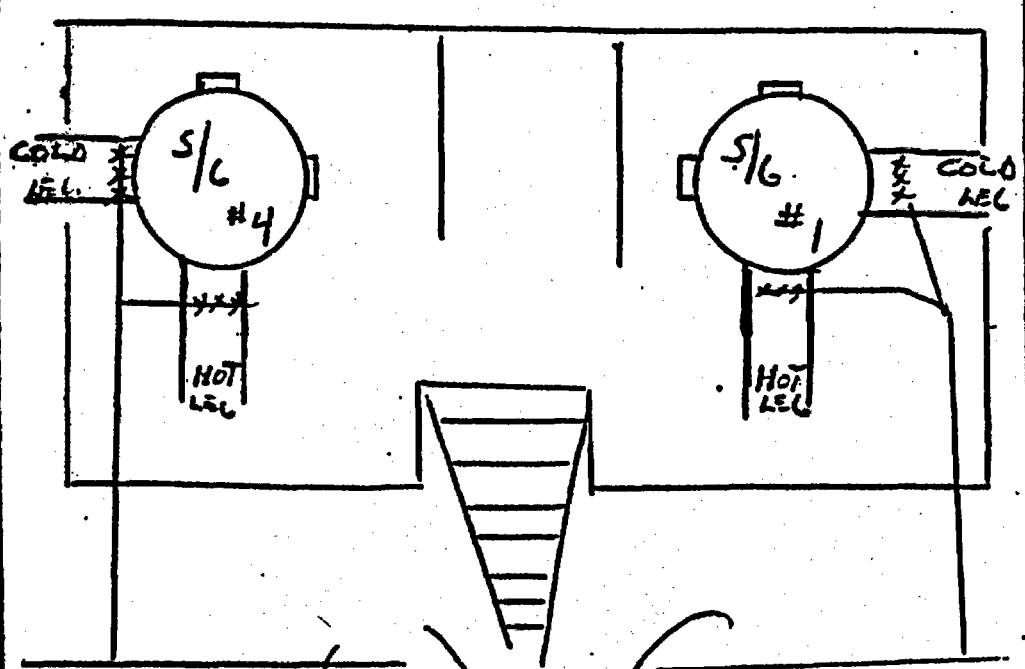
REASON FOR SURVEY PRE-LOB

RWP USED: 00-1135

UNLESS NOTED * DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM / 100 CM²

SURVEYED BY BRANY **TIME** 0900 **DATE** 1/19/00

REVIEWED BY John Mullaney **DATE** 1/19/00



CONTAMINATION / REMARKS

1	L100B-81 / WELD SURFACES
2	/
3	/
4	/
5	/
6	L100B-81 /
7	/
8	/
9	/
10	/
11	/
12	L100B-81 / WELD SURFACES
13	/
14	/
15	/
16	/
17	/
18	/
19	/
20	/
21	/
22	/
23	/
24	/
25	/
26	/
27	/
28	/
29	/
30	/

SHOWER CURTAIN / CAP
LUGS: WELDING AREAS
* 5 mR/HR CONTACT
* NOB- CONTACT
1 2 3 4 5 6
WORK AREA = 8 mR/HR MAXIUM

SHOWER CAP
LUGS: WELDING AREA
* 5 mR/HR CONTACT
* NOB- CONTACT
7 8 9 10 11 12
WORK AREA = 8 mR/HR MAXIUM

RADIOLOGICAL AREA STATUS SHEET 7f

AREA DESCRIPTION UNIT #1 CONTAINMENT S/G #1 & #4 PLAT FORM

MAP NO.

AREA CLASSIFICATION
- ☐ RADIATION
- ☐ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☐ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS

METER TYPE/NO.
BS05-0E#359
RM14 # 8809

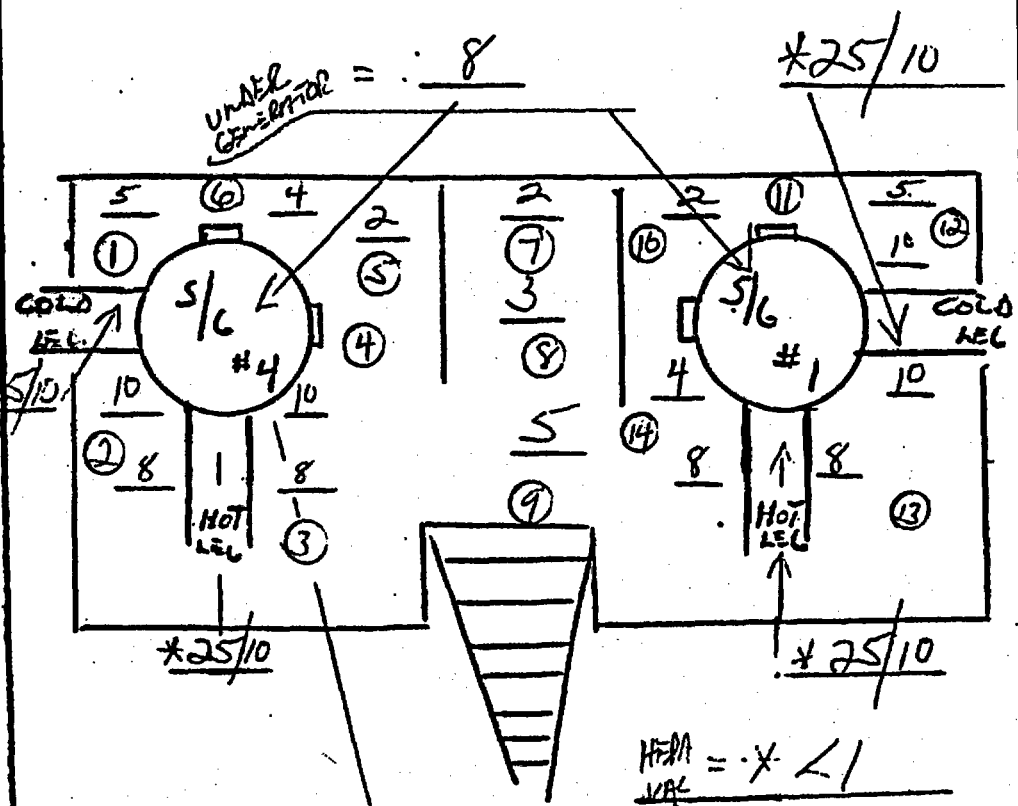
UNLESS NOTED * DENOTES CONTACT/30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN CPM/100 CM

REASON FOR SURVEY
ROUTINE SURVEY

SURVEYED BY BEADY | TIME 0900 | DATE 1/20/00

REVIEWED BY - Vm Bayna | DATE 1/20/00

1/20/00



HEPA VAC = * <1

HEPA VENTILATORS = * <1

DEBRIS BARREL = * <1

CATCH CONTAINMENT WAS ESTABLISHED UNDER HOT LEG @ LEAK (15) *NOB/<1

CONTAMINATION/REMARKS

1	<1000 B-β/PLATFORM
2	/
3	/
4	/
5	/
6	/
7	/
8	/
9	/
10	/
11	/
12	/
13	/
14	/ PLATFORM
15	<1000 B-β/CATCH
16	/
17	/
18	/
19	/
20	/
21	/
22	/
23	/
24	/
25	/
26	/
27	/
28	/
29	/
30	/

RADIOLOGICAL AREA STATUS SHEET 70

AREA DESCRIPTION #11 + 14 S/G PLATFORM

MAP NO.

AREA CLASSIFICATION
- ☐ RADIATION
- ■ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ■ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS
Catch Containment under #14 Hot leg

METER TYPE/NO.
RO5-RS0-50-039
AM-14-8809

UNLESS NOTED: * DENOTES CONTACT/30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100 CM

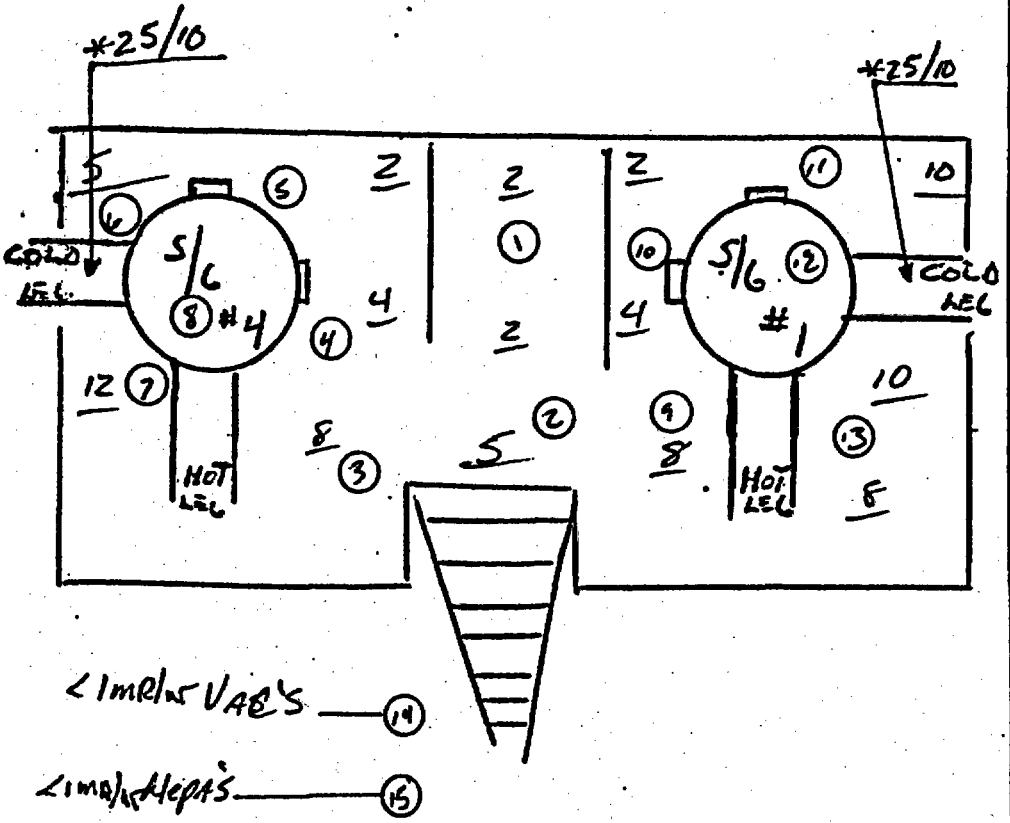
REASON FOR SURVEY
Daily Routine

RWP USED: 1110-01 – [redacted]

SURVEYED BY [signature] | TIME 1030 | DATE 1-21-00

REVIEWED BY John Pulmer | DATE 1-21-00

Highest Dose 12 MR/hr [redacted]



	CONTAMINATION/ REMARKS
1	<1K / Platform
2	/
3	/
4	/
5	/
6	/
7	/
8	/
9	/
10	/
11	/
12	/
13	/ Platform
14	/ VAC'S
15	/ Hepa's
16	/
17	/
18	/
19	/
20	/
21	/
22	/
23	/
24	/
25	/
26	/
27	/
28	/
29	/
30	/

RADIOLOGICAL AREA STATUS SHEET 24

AREA DESCRIPTION 650' UNIT 1 LOGBOOK # 00560689

MAP NO.

AREA CLASSIFICATION
- RADIATION
- HIGH RADIATION
- EXTREME HIGH RADIATION
- CONTAMINATION
- AIRBORNE RADIOACTIVITY

REMARKS NO HOT PARTICLES FOUND IN AREA OR ON WORKERS POST SHOWER : CAP REMOVAL

METER TYPE/NO. RSO 342 RM 14 7426

UNLESS NOTED: * DENOTES CONTACT/30 CM. DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100CM

REASON FOR SURVEY INSTALL CAPS TO HOT & COLD LEGS OF S/G #3

RWP USED: 001144-01 / 001110-01

SURVEYED BY WK GUNDERSON **TIME** 1030 **DATE** 1-21-00

REVIEWED BY [illegible] **DATE** 1/21/00

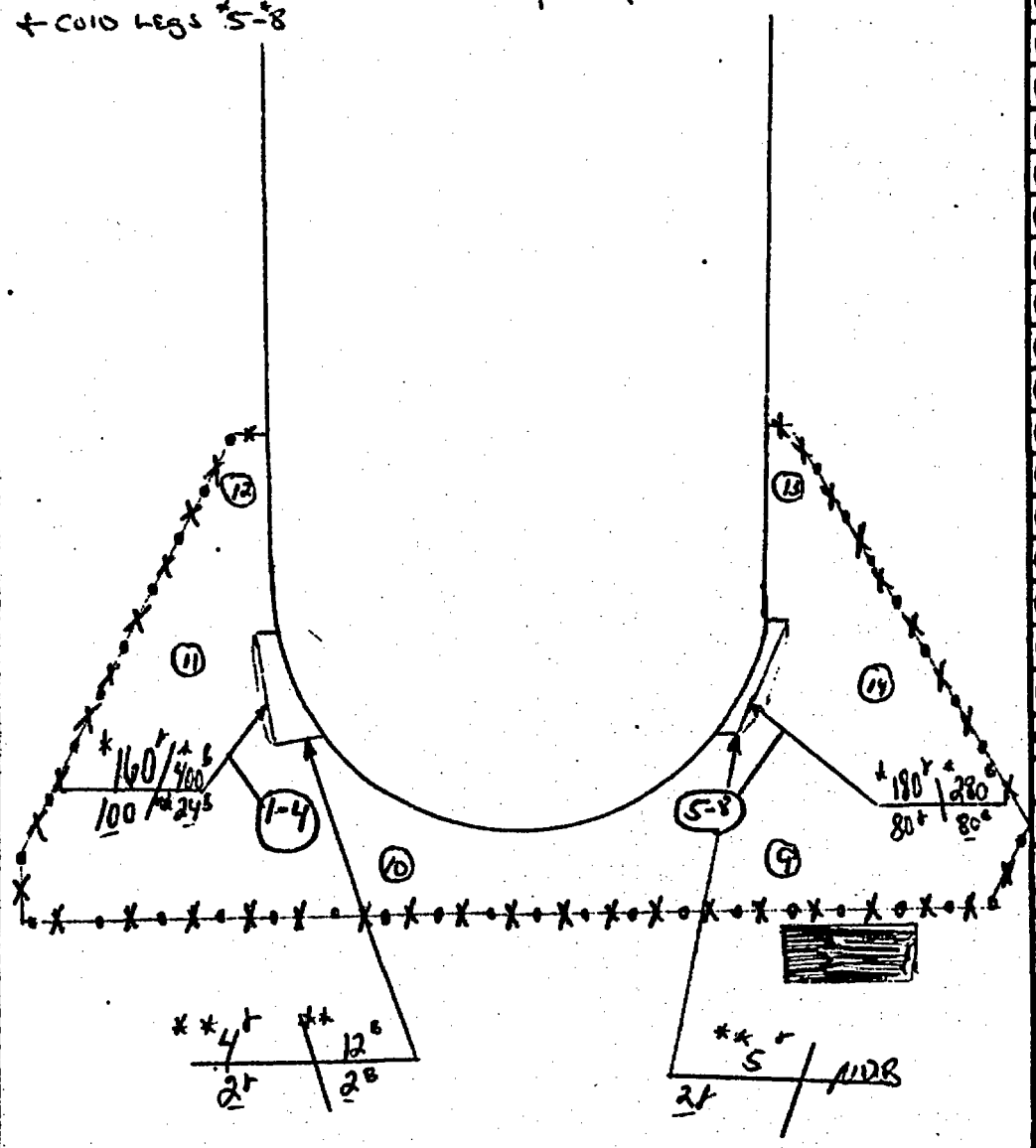
HIGHEST G/A DOSE RATE 100 MR/HR W/O PLATES / WITH PLATES 6

NDB = NO DETECTABLE BETA

** = CONTACT WITH PLATES INSTALLED @ SEAM

* = DOSE RATES APPROX 1 FOOT FROM PLANE OF OPENING

DOSE RATES CONTACT W/ CAPS INSTALLED ON HOT + COLD LEGS #5-8



CONTAMINATION/REMARKS

1	<1K	HOT LEG CUT
2	<1K	
3	1K	
4	<1K	HOT LEG CUT
5	<1K	COLD LEG CUT
6	2K	
7	<1K	
8	<1K	CUT COLD LEG
9		FLOOR
10		
11		
12		
13		
14	<1K	FLOOR
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		

JOB COVERAGE LOGSHEET

JC-400 26

LOGSHEET NO. COSG0692

RWP#: 00114401 TECHNICIAN: RHODES/KONO/BERKEY Date/Time: 1-21-00 1430

DESCRIPTION OF WORK COVERED: RP Rover

LOCATION: U-1 Upper Containment

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <0.2 → 4

CONTACT DOSE RATE(S): 8

INST. TYPE: RSO INST #: 342

G/A SMEARABLE CONTAMINATION: <1K → 5K

EQUIP. EXT. CONTAMINATION: <1K → 5K

EQUIP. INT. CONTAMINATION: <1K

INST. TYPE: RM-14 INST #: 7424

WORK AREA

☒ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: n/a

POSTING

☒ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☒ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☒ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRBORNE

A/S #: n/a ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #: n/a

RESULTS IN MICRO cl/cc AND DAC'S: n/a

RESP. WORN? ☐ Y ☒ N

HEPA USED? ☐ Y ☒ N

P.C.'S

DRESS CODE USED: L,M A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: none

COMMENTS / MAP SPACE

D0112502 Inspections, walkdowns

00105501 13m's continue maint

00114401 rig/lift S/G #3, crane (TLD)

00110301 crane watch

00111402 Rig/set Hepa from top PZR to S/G #3, set for blasting U/C legs.

TECHNICIAN Rhodes/Berkey/Kono SUPERVISOR [illegible]

23

LOGSHEET NO. [redacted]

RWP [redacted] TECHNICIAN: RHODES / KONO Date/Time: 1-21-00 / 1650-1730

DESCRIPTION OF WORK COVERED: RP ROVER

LOCATION: U-1 Upper Containment

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): <0.2 → 4

CONTACT DOSE RATE(S): ⊗

INST. TYPE: RSO INST #: 839

G/A SMEARABLE CONTAMINATION: <1K → 3K

EQUIP. EXT. CONTAMINATION: <1K → 3K

EQUIP. INT. CONTAMINATION: n/a

INST. TYPE: RM-14 INST #: 7426

WORK AREA

☒ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

☒ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: none

POSTING

☒ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☐ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☒ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRBORNE

A/S #: n/a ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #: n/a

RESULTS IN MICRO cl/cc AND DAC'S

RESP. WORN? ☐ Y ☒ N

HEPA USED? ☒ Y ☐ N

P.C.'S

DRESS CODE USED

4M A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS:

~~None~~ Hepa used while welding and grinding

COMMENTS / MAP SPACE

01144-01 welding, grinding on S/G #3 H/e legs for placement of steel plates. Lift/rig

TECHNICIAN Chgriosen Rhodes Robert Kono SUPERVISOR Alan Cobb 1/21/00

JOB COVERAGE LOGSHEET

JC-400

22

LOGSHEET NO: [redacted]

RWP: [redacted] TECHNICIAN: Akre Date/Time: 1-22-00/0615

DESCRIPTION OF WORK COVERED: weld nozzle covers on # 3 L.A. RCS Nozzles

LOCATION: u1 u/c 650' North end of runway.

UNLESS NOTED: ALL DOSE RATES IN mR/HR AT WAIST LEVEL. ALL CONTAMINATION LEVELS ARE IN DPM/100 cm2

SURVEY

GENERAL AREA DOSE RATE(S): 1 → 11 mrem/hr

CONTACT DOSE RATE(S): 10 → 15 mrem/hr

INST. TYPE: RS050E INST #: RS0-843

G/A SMEARABLE CONTAMINATION: <1000 dpm/100cm² / <100 cpm/masslin

EQUIP. EXT. CONTAMINATION: <1000 dpm/100cm² / <100 cpm/masslin

EQUIP. INT. CONTAMINATION: N/A

INST. TYPE: RM14 INST #: RM14-7426

WORK AREA

■ EASILY ACCESSABLE ☐ OVERHEAD AREA ☐ UNDER GRATING ☐ CONFINED AREA

■ DRY ☐ WET ☐ OILY ☐ BORIC ACID COVERED

COMMENTS: N/A

POSTING

■ RADIATION AREA ☐ AIRBORNE RADIOACTIVITY AREA

☐ HIGH RADIATION AREA ☐ HIGH CONTROLLED SURFACE C.A.

☐ EXTREME HIGH RADIATION AREA ☐ NEUTRON RADIATION AREA

☐ CONTAMINATION AREA ☐ RESTRICTED AREA ONLY

AIRSAMPLE

A/S #: ☐ HI VOL ☐ LO VOL ☐ GILLIAN INST #:

RESULTS IN MICRO ci/cc AND DAC'S

RESP. WORN? ☐ Y ■ N

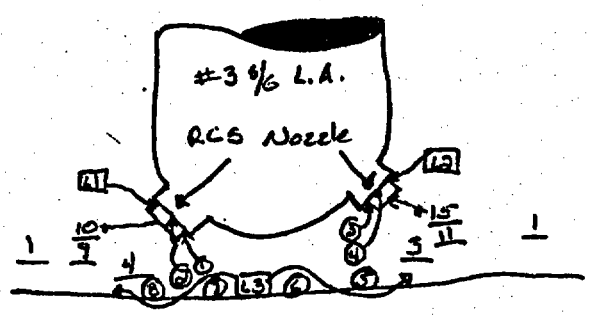
HEPA USED? ■ Y ☐ N

P.C.'S

DRESS CODE USED: N/A A, B, C, D1 D2, E OR F

ADDITIONAL ITEMS: N/A

COMMENTS / MAP SPACE



① - <1000 dpm/100cm² weld area
② - <1000 dpm/100cm² weld area
③ - <1000 dpm/100cm² weld area
④ - <1000 dpm/100cm² weld area
⑤ - <1000 dpm/100cm² floor
⑥ - <1000 dpm/100cm² floor
⑦ - <1000 dpm/100cm² floor
⑧ - <1000 dpm/100cm² floor

L1 - <100 cpm/masslin weld area
L2 - <100 cpm/masslin weld area
L3 - <100 cpm/masslin floor

TECHNICIAN WKAkre SUPERVISOR [signature]

RADIOLOGICAL AREA STATUS SHEET

AREA DESCRIPTION UNIT #1 S/G #1 & #4 PLATFORMS

MAP NO.

AREA CLASSIFICATION
- ☐ RADIATION
- ☒ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☒ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REASON FOR SURVEY
ROUTINE SURVEY.

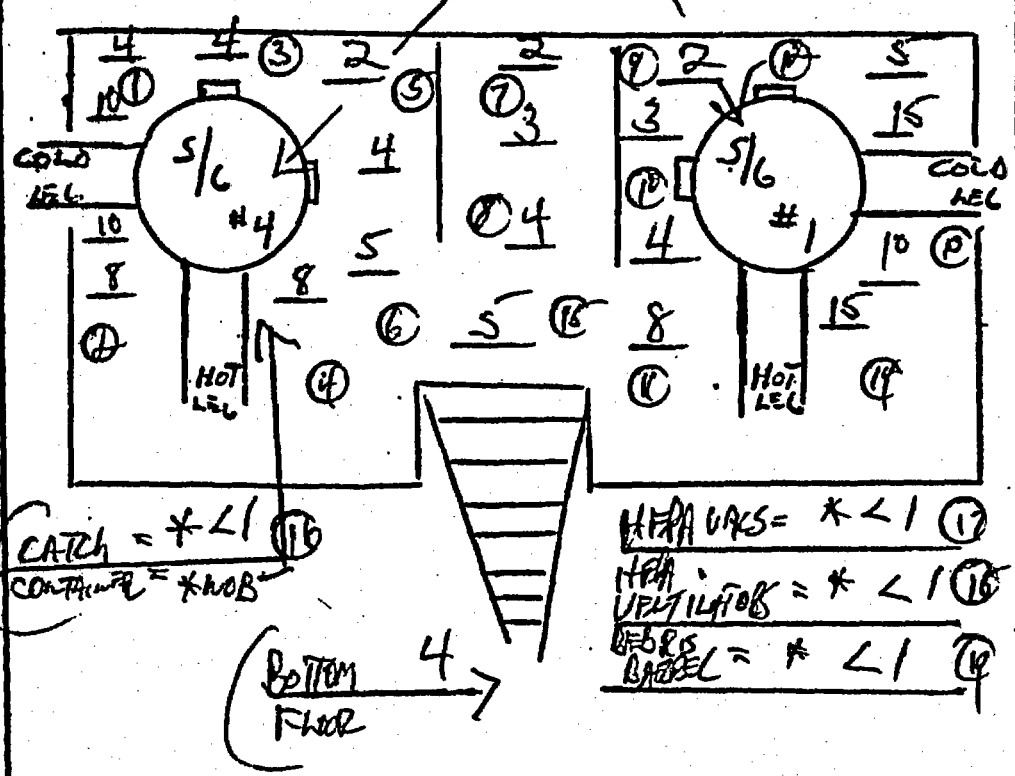
RWP USED [redacted]

REMARKS
NUB R# [redacted]

METER TYPE/NO.
RS050E# 334
RM 14# 8809

UNLESS NOTED * DENOTES CONTACT /30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100CM

SURVEYED BY BRADY	TIME 0930	DATE 1/22/00
REVIEWED BY Van Morgan		DATE 1/22/00



CONTAMINATION/REMARKS

1	<1000B-S/G PLATFORM
2	/
3	/
4	/
5	/
6	/
7	/
8	/
9	/
10	/
11	/
12	/
13	/
14	<1000B-S/G PLATFORM
15	/ LADDER
16	/ CATCH
17	/ VAC
18	/ HEPA VENT
19	<1000B-S/G BARREL
20	/
21	/
22	/
23	/
24	/
25	/
26	/
27	/
28	/
29	/
30	/

RADIOLOGICAL AREA STATUS SHEET 68

AREA DESCRIPTION UNIT #1 S/G #2 & #3 PLATFORMS

MAP NO.

AREA CLASSIFICATION
- ☐ RADIATION
- ☐ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☐ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REASON FOR SURVEY
PRE-JOB

RWP USE [redacted]

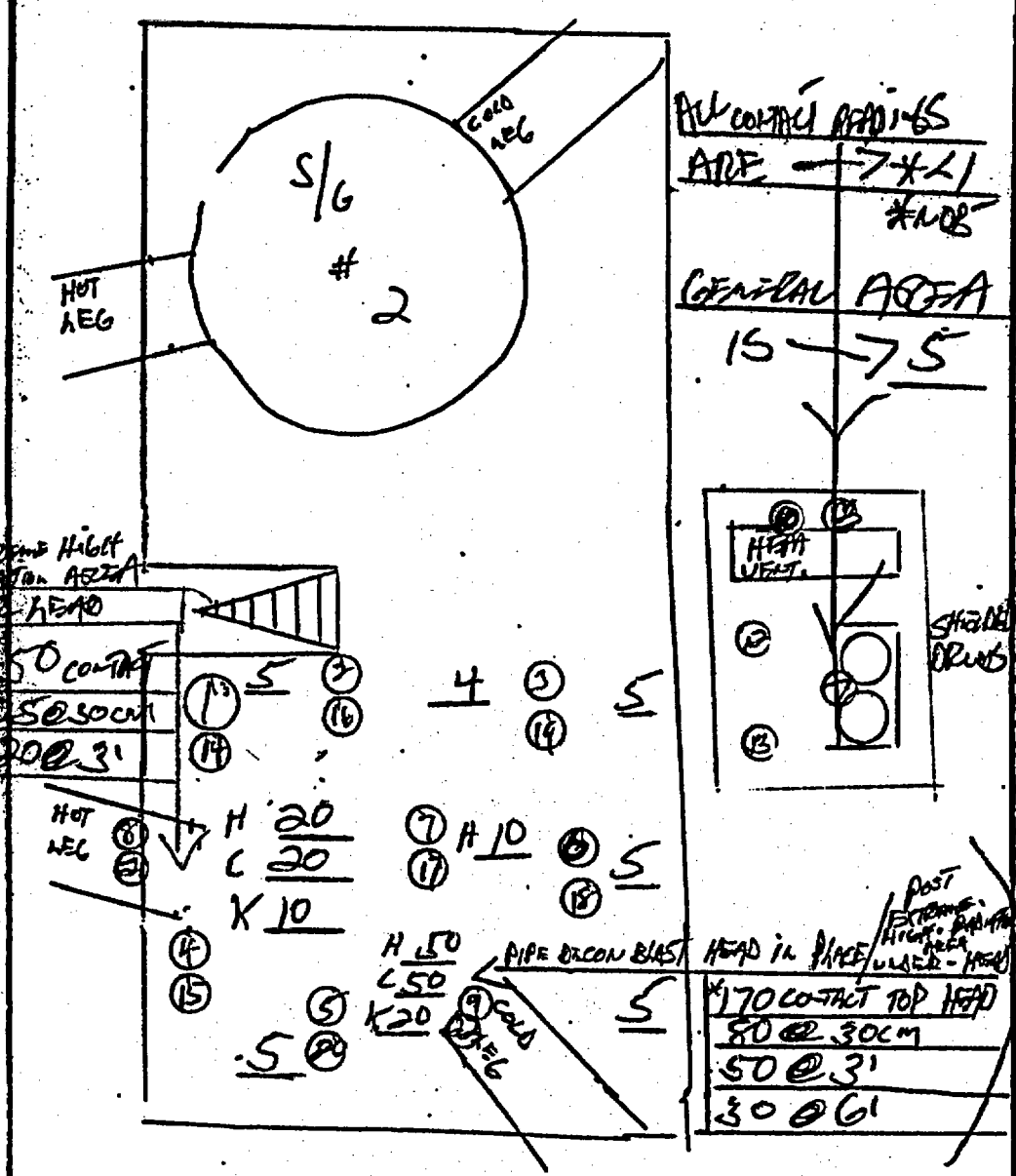
REMARKS
AREA DETERMINATION
[redacted]

UNLESS NOTED, * DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100

METER TYPE / NO.
RSO50E #337
RM14 #8809

SURVEYED BY [signature] TIME 1100 DATE 1/22/00
REVIEWED BY [signature] DATE 1/22/00

H = HEAD
C = CHEST
K = KNEE



CONTAMINATION / REMARKS

1	<1000B-81 / PIPE
2	/
3	/
4	<1000B-81
5	2000B-81
6	<1000B-81
7	/ PLATFORM
8	/ [illegible]
9	/ [illegible]
10	/ HOSE
11	/ BOLTS
12	/ PLATFORM
13	<1000B-81 / PLATFORM
14	<1000B-81 / BAGS
15	2000B-81 / BAGS
16	4000B-81 / BAGS
17	<1000 / LEAD
18	/ [illegible]
19	/ HOSES
20	/ BAGS
21	/ PIPE
22	<1000B-81 PIPE
23	<1000B-81 / PLATFORM
24	/
25	/
26	/
27	/
28	/
29	/
30	/

RADIOLOGICAL AREA AUDIT SHEET

21

AREA DESCRIPTION old #3 S/G Lower Assembly

MAP NO. N/A

AREA CLASSIFICATION
- [x] RADIATION
- [ ] HIGH RADIATION
- [ ] EXTREME HIGH RADIATION
- [ ] CONTAMINATION
- [ ] AIRBORNE RADIOACTIVITY

REMARKS
T = Top
M = middle
B = Bottom
* /30cm/3ft.
← ⊛ → = Masslin smear
frisker B/G = 50cpm

METER TYPE/NO.
RM20 1274
RSO 349

UNLESS NOTED: * DENOTES CONTACT/30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100CM²

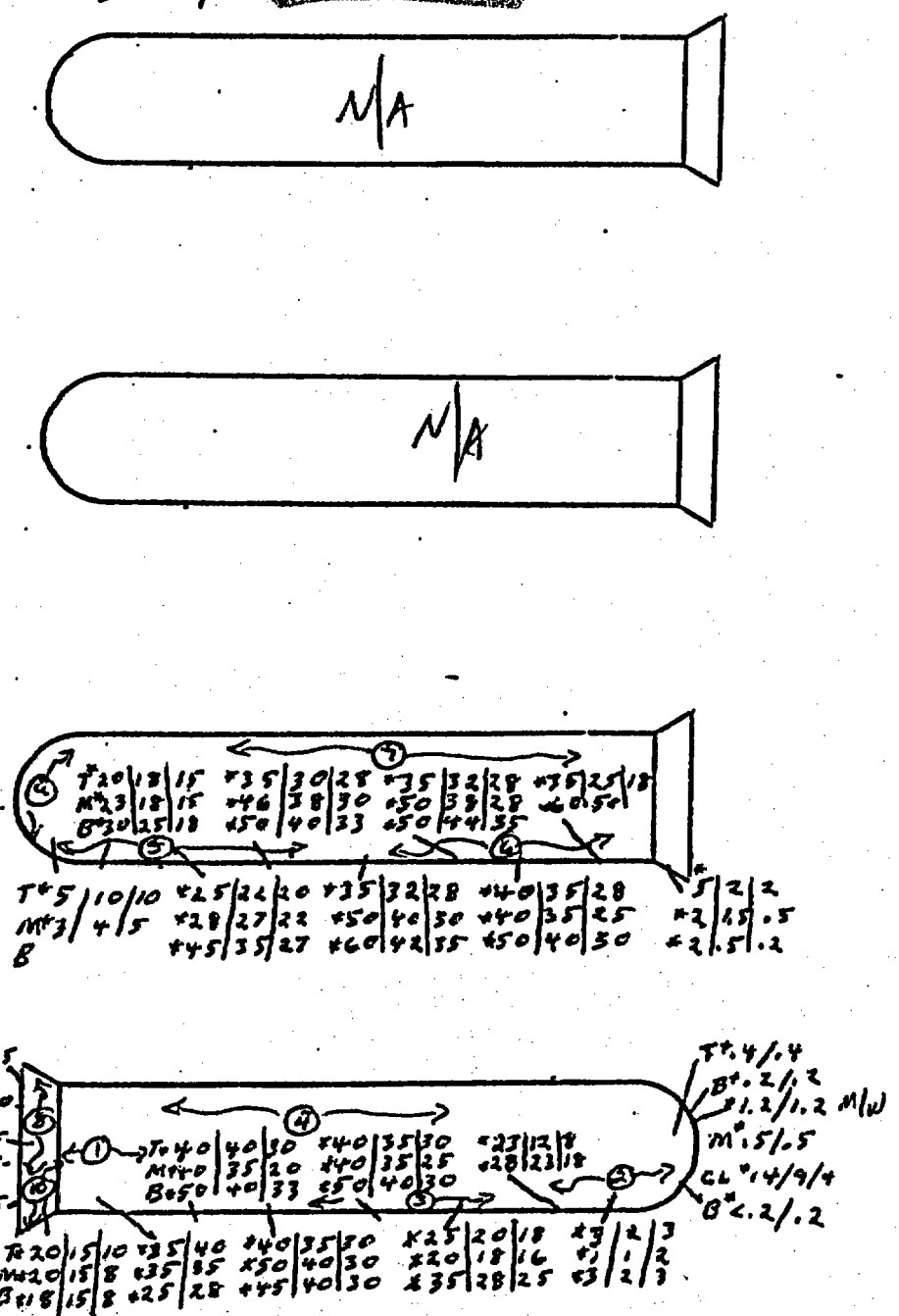
REASON FOR SURVEY

RWP USED [redacted]

SURVEYED BY [illegible] / R. [illegible] TIME 1430 DATE 1-22-00

REVIEWED BY - [illegible] DATE 1-22-00

Highest G/A doserate = 50mrem/hr
survey # [redacted]



CONTAMINATION/REMARKS

1	no detectable / side of S/G
2	no detectable / side of S/G
3	no detectable / Bottom of S/G
4	no detectable / side of S/G
5	no detectable / Bottom of S/G
6	no detectable / side of S/G
7	no detectable / side of S/G
8	no detectable / Top Hat
9	no detectable / Bottom of S/G
10	no detectable / Top Hat
11	/
12	/
13	/
14	/
15	/
16	/
17	/
18	/
19	/
20	/
21	/
22	/
23	/
24	/
25	/
26	/
27	/
28	/
29	/
30	/

DESCRIPTION UNIT#1 CONTAINMENT S/G #3 COLD LEG

MAP NO.

AREA CLASSIFICATION
- RADIATION
- HIGH RADIATION
- EXTREME HIGH RADIATION
- CONTAMINATION
- AIRBORNE RADIOACTIVITY

REMARKS
WORK AREA = INSIDE COLD LEG ON #3 S/G
NBR# 00560799

METER TYPE/N
RSO50 E#33.

UNLESS NOTED * DENOTES CONTACT / 30 CM
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN CPM/

REASON FOR SURVEY
ATTENUATION - DETERMINATION

SURVEYED BY BRADY TIME 1230 DATE 1/22/

RWP USED: 001137/001110

REVIEWED BY DATE 1/22/

CONTAMINATION / REMAR

B⁻ ATTENUATION DETERMINATION WAS PERFORMED UTILIZING RUBBER RADIOLOGICAL WORK GLOVES AND FACE SHIELD THAT ARE ISSUED FOR THE STEAM GENERATOR REPLACMENT PROJECT.

A. SPOT INSIDE S/G #3 COLD LEG AND ALL B⁻ WAS ATTENUATED. ALSO DOUBLE RUBBER GLOVES AND ALL B⁻ WAS ATTENUATED.

PRE INTRODUCTION = 1R/HR γ 4RAD/HR B⁻ CONTACT

POST INTRODUCTION UTILIZING FACE = 1R/HR γ NOB⁻/HR B⁻ CONTACT

POST INTRODUCTION UTILIZING 2 LAYERS RUBBER GLOVES = 1R/HR γ NOB⁻/HR B⁻ CONTACT

RADIOLOGICAL AREA STATUS SHEET 30

AREA DESCRIPTION # 2 S/G H/L & C/L

MAP NO.

AREA CLASSIFICATION
- [ ] RADIATION
- [ ] HIGH RADIATION
- [ ] EXTREME HIGH RADIATION
- [ ] CONTAMINATION
- [ ] AIRBORNE RADIOACTIVITY

REMARKS
log sheet # [redacted]

METER TYPE/NO.
RSO-039
Ext-2770
(0-100, 0-1000)

UNLESS NOTED: * DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100

REASON FOR SURVEY
Removing Lower Assembly # 2 S/G
[redacted] shielding
00-1137-01

RWP USED: 00-1110-01

SURVEYED BY L Rodney | TIME 1630 1130 | DATE 1/24/00

REVIEWED BY John Belanger | DATE 1-24-00

All β⁻ to γ Ratios < 3x ⇒ no β⁻ attenuation surveys performed

Gross survey of ~~Platform~~ 1/2x/00 Platform ~~# Dist.~~ shows no Hotspots

10 smears on platform all < 100 dpm/100cm² after lift of S/G + installation of shielding

Time 1130

Hot Leg
(without pie plate shielding installed)

450 mRem/hr @ 30 cm I/S piping
500 mRem/hr @ 60 cm I/S piping
370 mRem/hr @ center plane of pipe end
250 mRem/hr @ 30 cm from center plane of pipe end
320 mRem/hr B @ center plane of pipe end
400 mRem/hr B @ 30 cm from center plane to pipe end

Crossover (cold) Leg
(without pie plate shielding installed)

600 mRem/hr @ 30 cm I/S piping
650 mRem/hr @ 60 cm I/S piping
500 mRem/hr @ center plane of pipe end
350 mRem/hr @ 30 cm from center plane to pipe end
800 mRem/hr B @ center plane of pipe end
1000 mRem/hr B @ 30 cm from center plane to pipe end

Time 1630

Hot Leg
(with pie plate shielding installed)

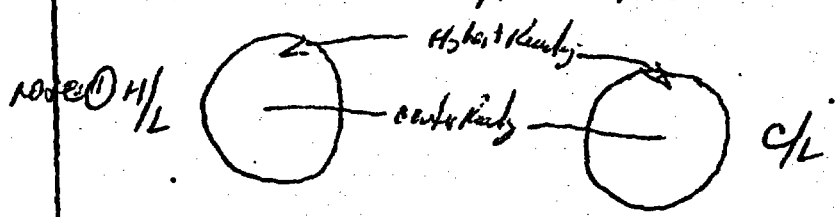
18 1/24/00 ~~22~~ mRem/hr @ center plane of pipe end
25 ~~25~~ mRem/hr @ 30 cm from center plane to pipe end
NOB mRem/hr B @ center plane of pipe end
NOB mRem/hr B @ 30 cm from center plane of pipe end

Crossover (cold) Leg

22 mRem/hr @ center plane of pipe end
35 mRem/hr @ 30 cm from center plane to pipe end
NOB mRem/hr B @ center plane of pipe end
NOB mRem/hr B @ 30 cm from center plane of pipe end

see below: Highest Reading Hot Leg #70/130
Highest Reading Cold Leg #150/160
note ①

Posted Hot & cold legs as EHRA under lead
Isotopic smear inside Hot leg indicates 12 mrem/hr/smear
Air sample submitted for analysis, Isotopic smear sent to decomming Rm. - PASS shielded Pig



CONTAMINATION / REMARKS

1	/	2
2	/	
3	/	
4	/	
5	/	
6	/	
7	/	
8	/	
9	/	
10	/	
11	/	
12	/	
13	/	
14	/	
15	/	A
16	/	
17	/	
18	/	
19	/	
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22	/	
23	/	
24	/	
25	/	
26	/	
27	/	
28	/	
29	/	

5/6 ST-3 610' U-1 Plate from

MAP NO. 67

CLASSIFICATION
ADIATION
IGH RADIATION
EXTREME HIGH RADIATION
CONTAMINATION
AIRBORNE RADIOACTIVITY

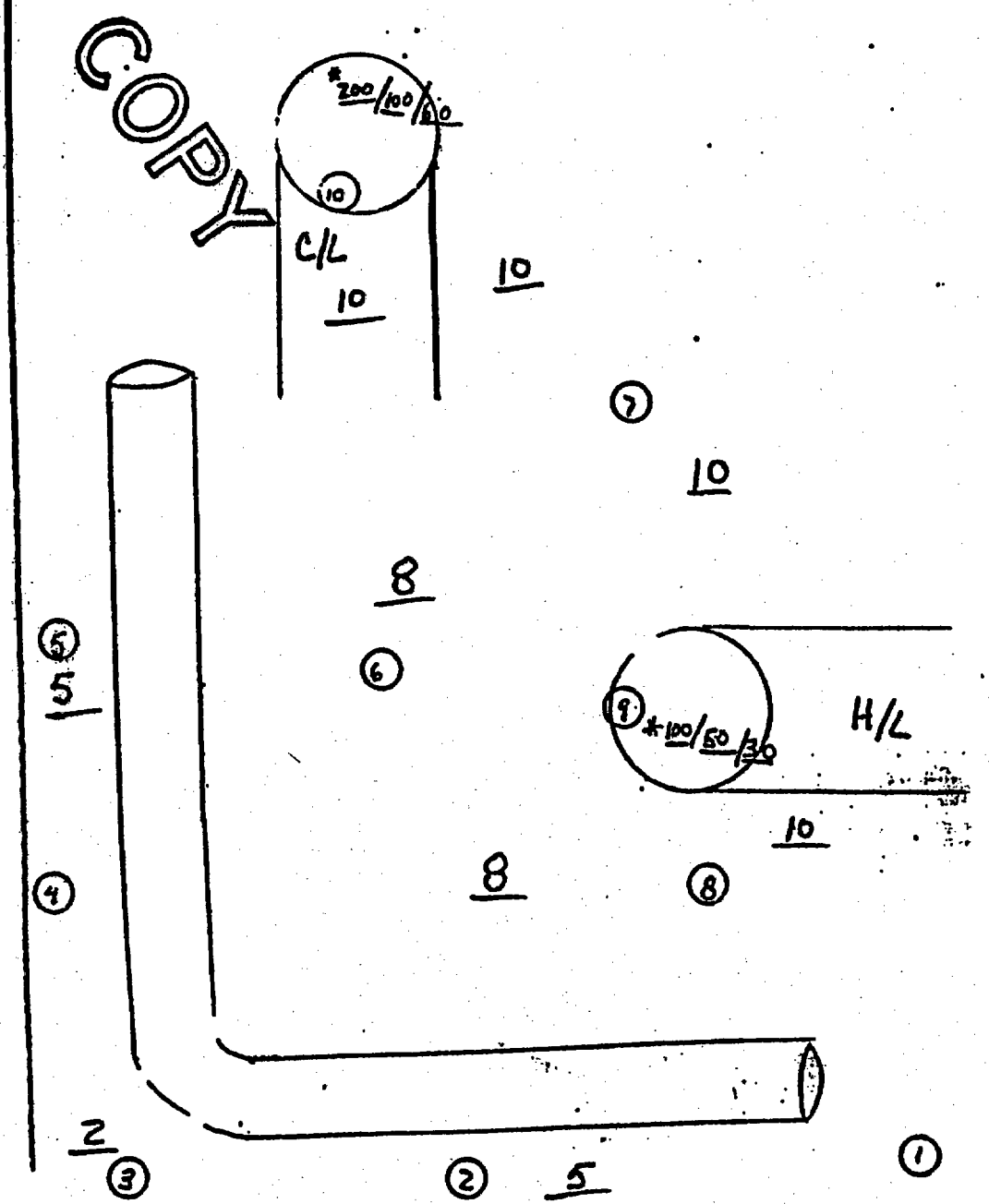
REASON FOR SURVEY
Post Tri-pod installation
Log# 00560884
RWP USED: 001137-01 001110-01

REMARKS + contact / plain / 30cm
2-3k on Tri-pod HD 1-85-00 TOOLS
3k on pie plate
Posted H/L & C/L Extreme High RAD underneath
UNLESS NOTED: * DENOTES CONTACT / 30 CM
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100

METER TYPE / NO
RSO-875
RM-20-8809

SURVEYED BY Mike DAGGETT TIME 0100 DATE 1-25-
REVIEWED BY J. Gallo DATE 1-25-

Highest G/A 60



CONTAMINATION / REMARKS
1 2K / floor
2 / floor
3 2K / floor
4 1K / LEAD
5 2K / floor
6 2K / floor
7 1K / floor
8 1K / floor
9 80K / inside H
10 80K / inside C
11 /
12 /
13
14 /0
15 /0
16 /2
17 /4
18 /4
19 /0
20 N/A
21 /0
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40

RADIOLOGICAL AREA STATUS SHEET 18

AREA DESCRIPTION U-1 CONTAINMENT S/G #1

MAP NO.

AREA CLASSIFICATION
- [ ] RADIATION
- [x] HIGH RADIATION
- [ ] EXTREME HIGH RADIATION
- [x] CONTAMINATION
- [ ] AIRBORNE RADIOACTIVITY

REMARKS
[redacted]
All Dose Rates Taken @ Girth Cut Level.

METER TYPE / NO.
RS05DE / 875
RM 14 / 8805

UNLESS NOTED: * DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM / 100C

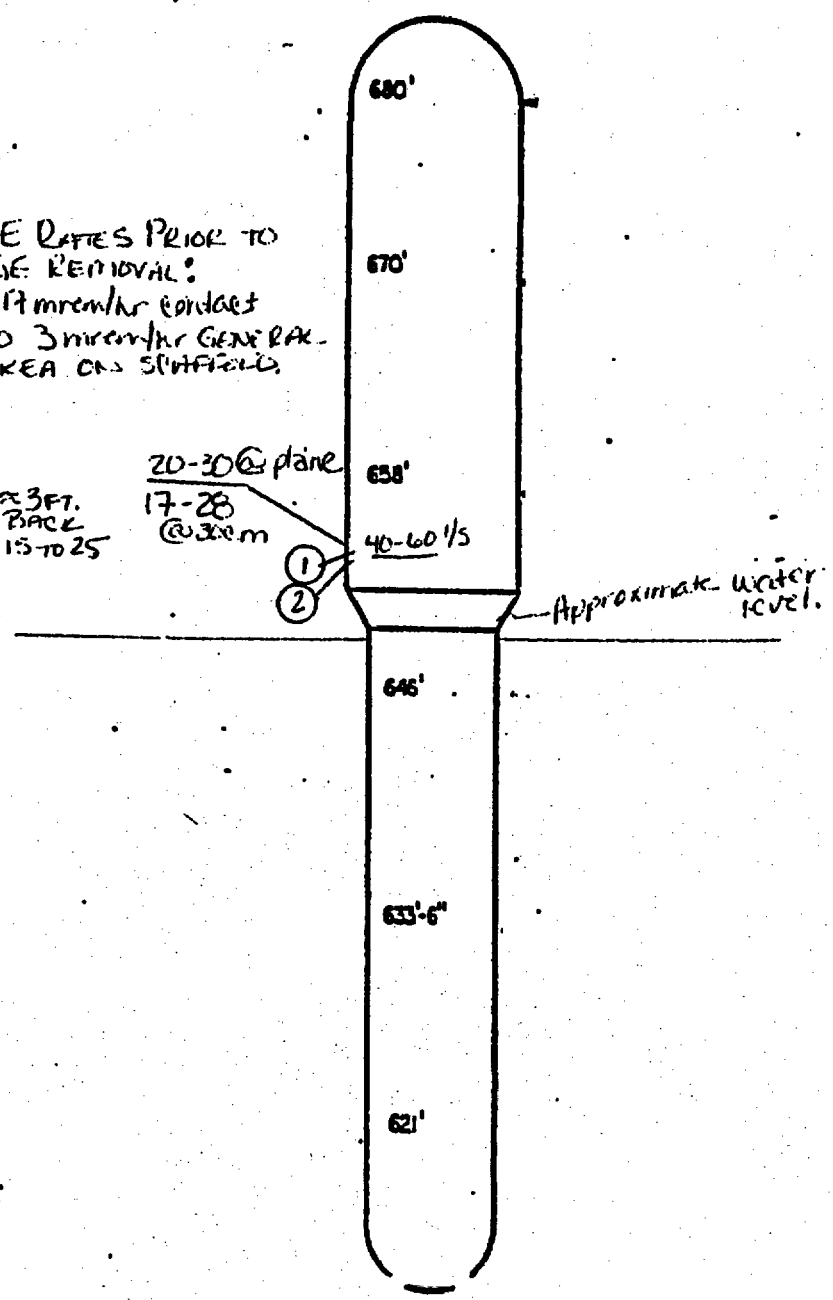
REASON FOR SURVEY
Remove Girth Cut Wedges

RWP USED: [redacted]

SURVEYED BY Glen Linda Dale **TIME** 0100 **DATE** 1/25/00

REVIEWED BY [signature] **DATE** 1/25/00

1144



CONTAMINATION / REMARK

1	<1000	
2	<1000	
3	N	
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
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21		
22		
23		
24		
25		
26		
27		
28		
29		
30		

RADIOLOGICAL AREA STATUS SHEET

AREA DESCRIPTION

MAP NO.

AREA CLASSIFICATION
- [ ] RADIATION
- [ ] HIGH RADIATION
- [ ] EXTREME HIGH RADIATION
- [ ] CONTAMINATION
- [ ] AIRBORNE RADIOACTIVITY

REMARKS
Log # 00SG0882

METER TYPE / NO.
RM-14 8809
RSO-039

REASON FOR SURVEY
Tri-Pod Shielding

RWP USED: 1137-02

UNLESS NOTED: * DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM / 100 CM²

SURVEYED BY [signature] TIME 1200 DATE 1/25/00

REVIEWED BY [signature] DATE 1-25-00

S/G # 12

CL *30/20

Hot Leg *25/18

Leg's posted Extreme High RAD under lead shielding

COPY

	CONTAMINATION / REMARKS
1	Inside 20K / Hot leg
2	Inside 100K / Cold leg
3	/
4	/
5	/
6	/
7	/
8	/
9	/
10	/
11	/
12	/
13	/
14	/
15	/
16	/
17	/
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19	/
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25	/
26	/
27	/
28	/
29	/
30	/

0016 1 Rev. 1

RADIOLOGICAL AREA STATUS SHEET 60

AREA DESCRIPTION S/G PLATFORM NO. 2/3 UNIT NO. 1 | MAP NO. 136

AREA CLASSIFICATION
- RADIATION
- HIGH RADIATION
- EXTREME HIGH RADIATION
- CONTAMINATION
- AIRBORNE RADIOACTIVITY

REMARKS
No Hot Particles Detected
25 mrem/Hr @ Glovebag (Highest)

METER TYPE/NO
RSO 334
RM14 8809

REASON FOR SURVEY
POST GRIND I/S Glove Bag

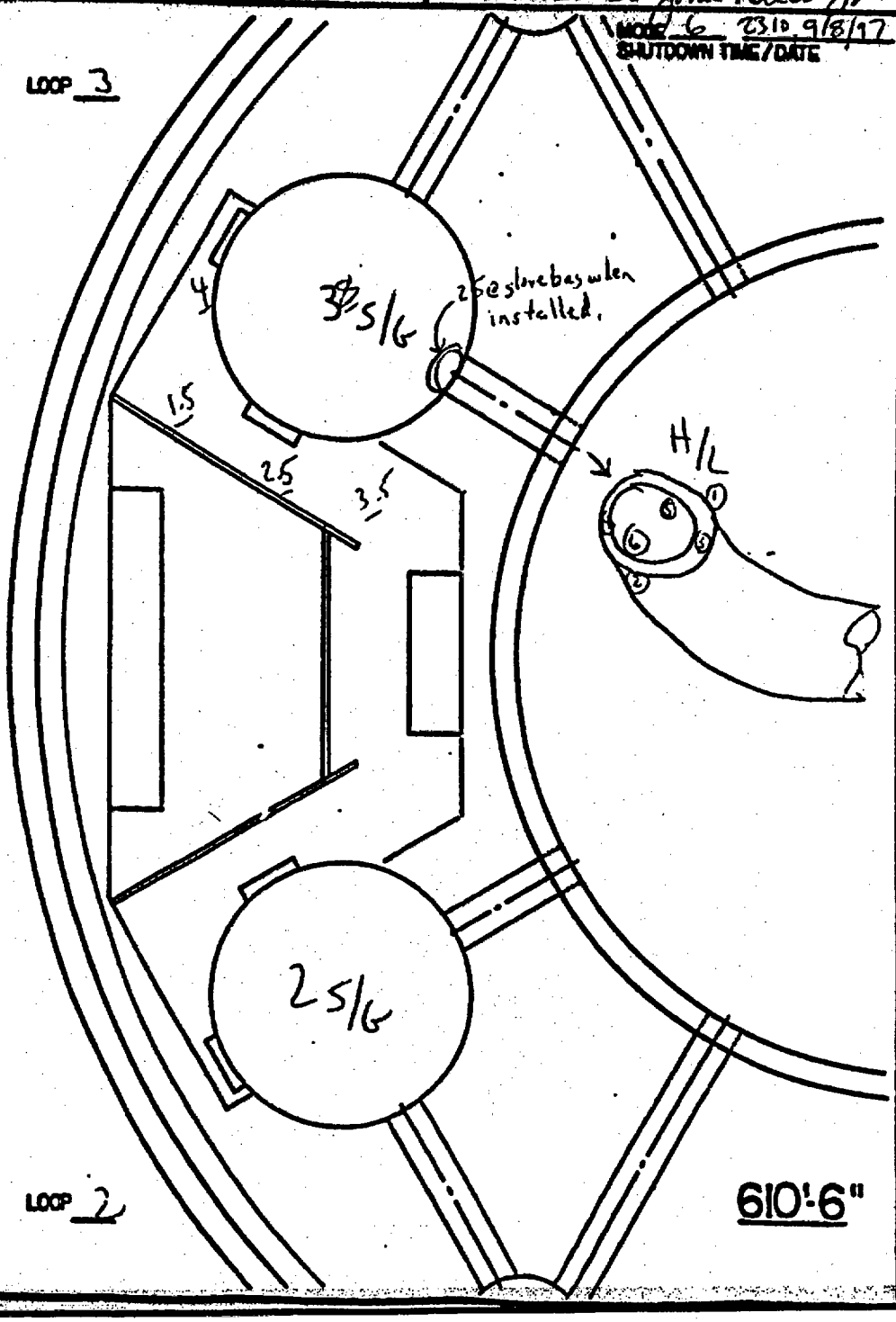
RWP USED

UNLESS NOTED: ✱ DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM / 100 CM²

SURVEYED BY [illegible] | TIME 1630 | DATE 01/25/00

REVIEWED BY [illegible] | DATE 1-25-00

MODE 6 2310 9/8/97
SHUTDOWN TIME/DATE



	CONTAMINATION / REMARKS
1	11K / O/S pipes
2	21K / ↓
3	4K / Flat surface
4	6K / ↓
5	20K / I/S pipes
6	30K / ↓
7	/
8	/
9	/
10	/
11	/
12	/
13	/
14	/
15	/
16	/
17	/
18	/
19	/
20	/
21	/
22	/
23	/
24	/
25	/
26	/
27	/
28	/
29	/
30	/

N/A

U-1 CTMT #3 S/G C/L 609'

MAP NO. 104

AREA CLASSIFICATION
- RADIATION
- HIGH RADIATION
- EXTREME HIGH RADIATION
- CONTAMINATION
- AIRBORNE RADIOACTIVITY

REMARKS LOS # 00390961
Pb 1/3 PIPE POSTED.
EXTREME HIGH RAD. UNDER Pb
NO HOT PART. FOUND

METER TYPE/1
RM-14-8809
RSO 342

REASON FOR SURVEY
pre job for flapping

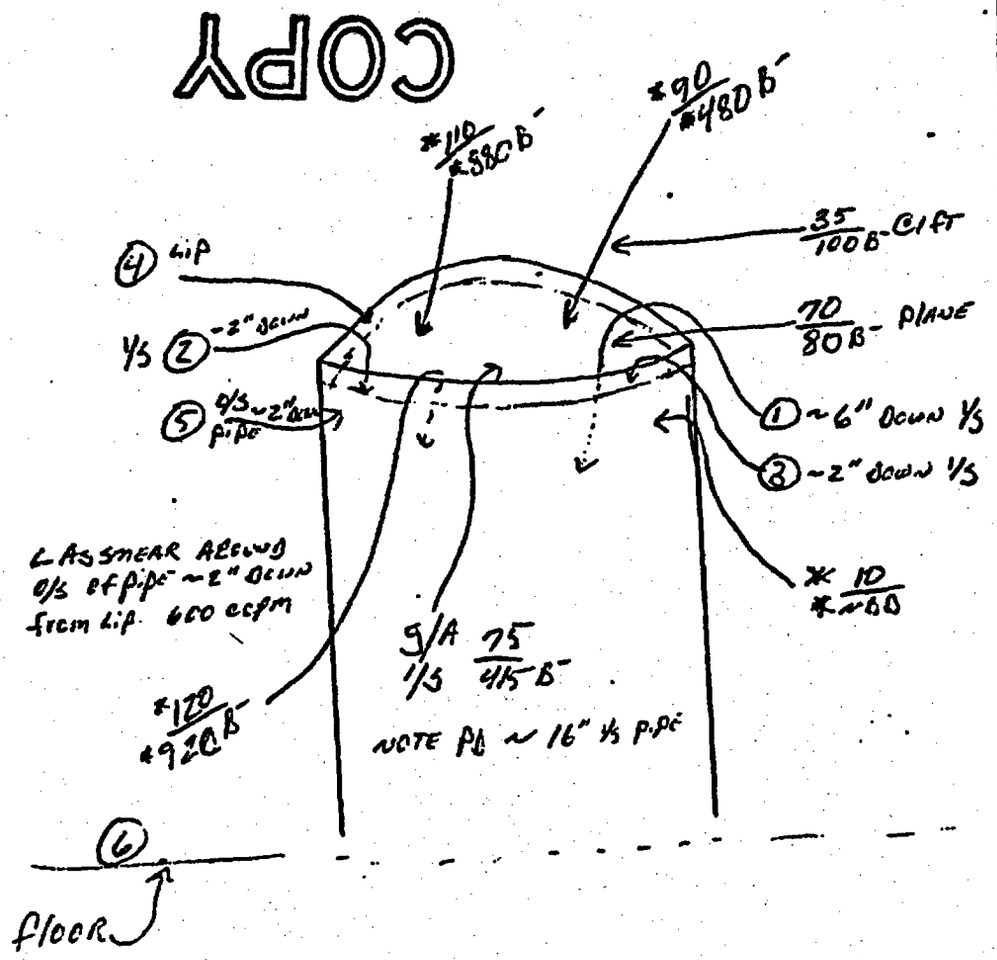
RWP USED: 00110001, 00113502

UNLESS NOTED: * DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM

SURVEYED BY L. Morris | TIME 2200 | DATE 1-27-
REVIEWED BY [illegible] | DATE 1/28/

#3 S/G C/L

NOTE: PIPE END IS COVERED WITH FIRE BLANKET



CONTAMINATION	REMA
① 6K	/ 6"
② 10K	/ 2"
③ 15K	/ 2"
④ 1K	/ LIP
⑤ <1K	/ 0/S P
⑥ <1K	/ Floor
⑦	/
⑧	/
⑨	/
⑩	/
⑪	/
⑫	/
⑬	/
⑭	/
⑮	/
⑯	/
⑰	/
⑱	/
⑲	/
⑳	/
㉑	/
㉒	/
㉓	/
㉔	/
㉕	/
㉖	/
㉗	/
㉘	/
㉙	/
㉚	/
㉛	/

RADIOLOGICAL AREA STATUS SHEET

DESCRIPTION: S/G #3

MAP NO.

AREA CLASSIFICATION
- [ ] RADIATION
- [x] HIGH RADIATION
- [ ] EXTREME HIGH RADIATION
- [x] CONTAMINATION
- [ ] AIRBORNE RADIOACTIVITY

REMARKS: Log # 00560975

METER TYPE/NO: RSO 838

UNLESS NOTED: * DENOTES CONTACT /30 CM. DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100

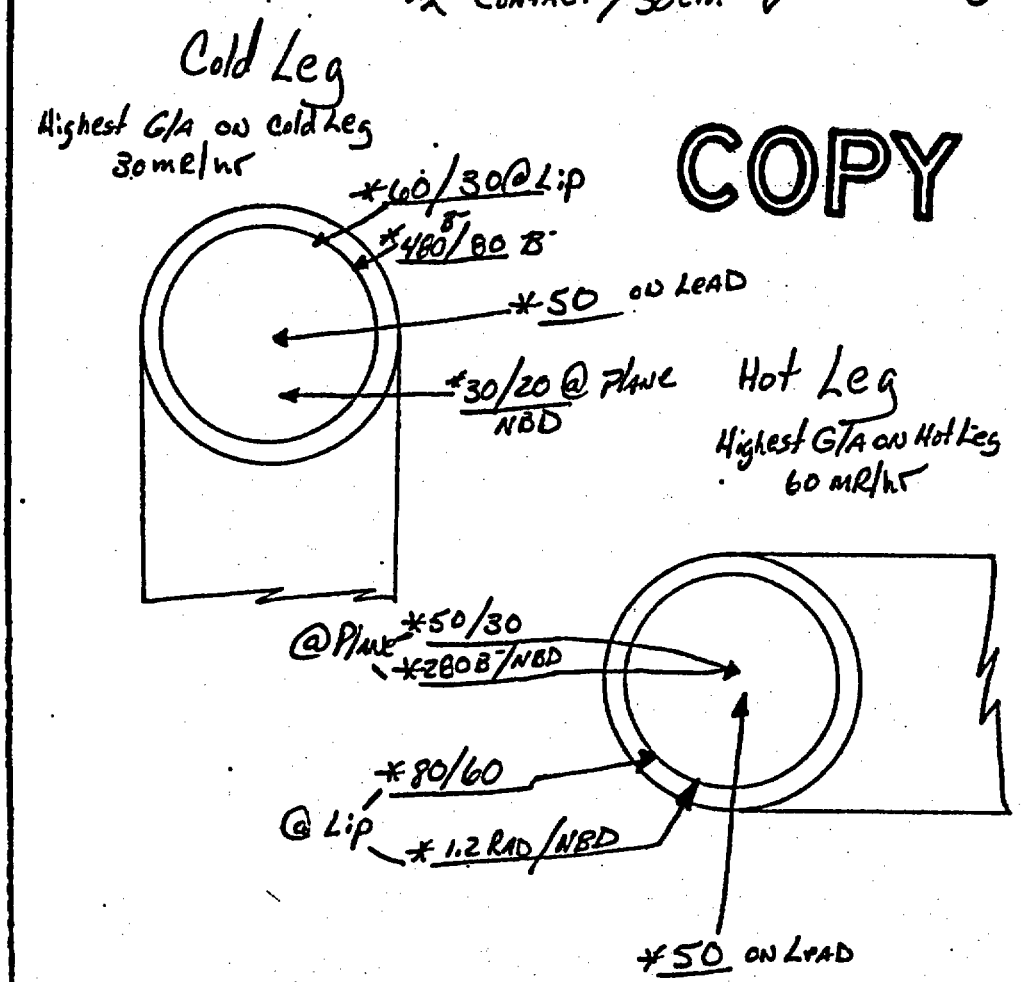
REASON FOR SURVEY: Post Lead Added after Machine removal

RWP USED: 1110-01

SURVEYED BY: [illegible] TIME: 1900 DATE: 1/28/00

REVIEWED BY: John Belanger DATE: 1-28-00

** Contact /30cm



COPY

Extreme High Rad UNDER Lead

CONTAMINATION/REMARKS

1	/
2	/
3	/
4	/
5	/
6	/
7	/
8	/
9	/
10	/
11	/
12	/
13	/
14	/
15	/
16	/
17	/
18	/
19	/
20	/
21	/
22	/
23	/
24	/
25	/

RADIOLOGICAL AREA STATUS SHEET

AREA DESCRIPTION S/G PLATFORM NO. 1/4 UNIT NO. 1 | MAP NO. 1

AREA CLASSIFICATION
- RADIATION
- HIGH RADIATION
- EXTREME HIGH RADIATION
- CONTAMINATION
- AIRBORNE RADIOACTIVITY

REMARKS
MDA = 3.7
[redacted]

METER TYPE/I
RSO # 352
RM-14 # 8809
Texan # 2

REASON FOR SURVEY
Weekly Routine
COPIES TO [illegible]/1132

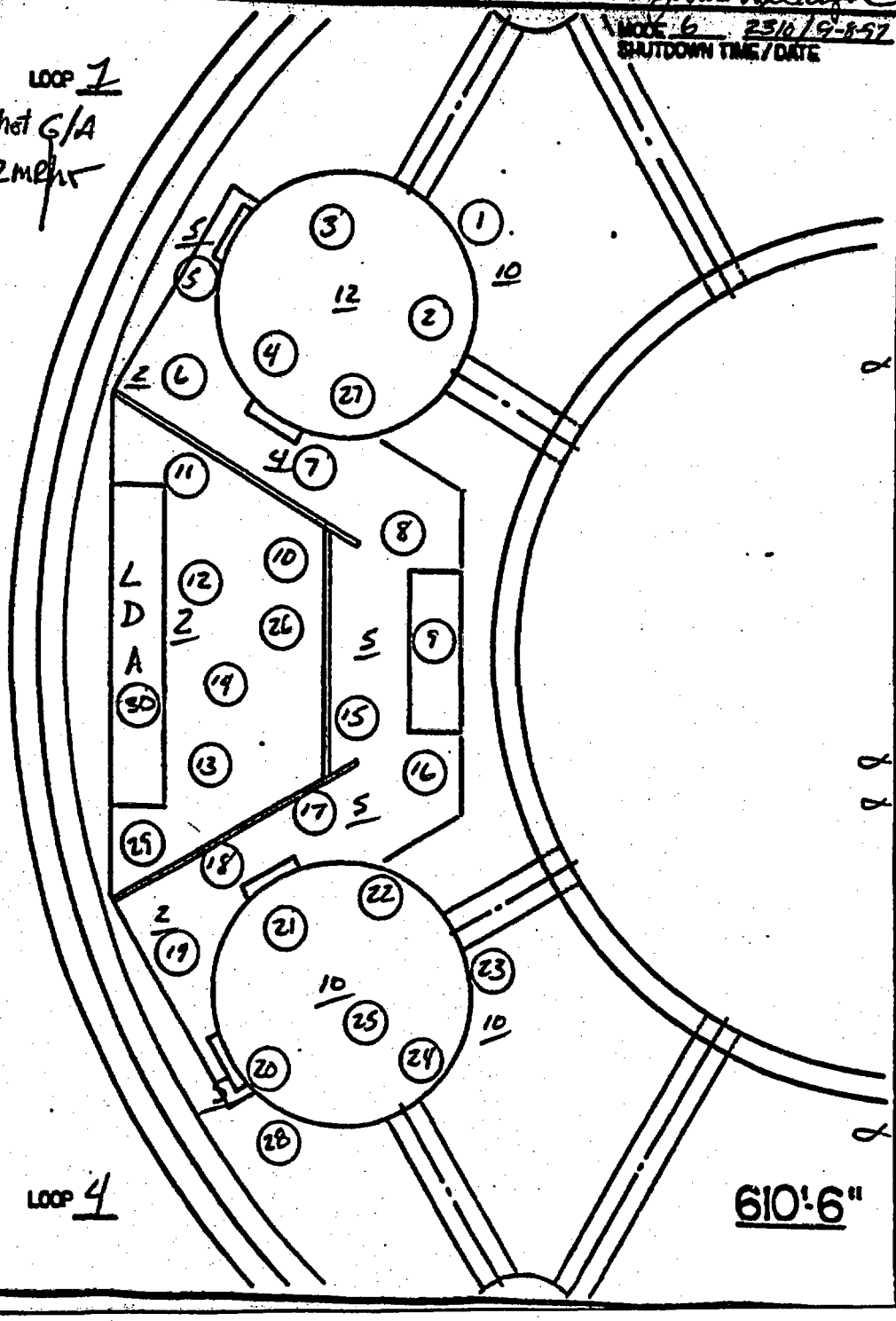
RWP USED: 1110-01

UNLESS NOTED * DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100

SURVEYED BY [signature] | TIME 0900 | DATE 1/30/9

REVIEWED BY John Belanger | DATE 1-30-

MODE 6 2310/9-8-92
SHUTDOWN TIME/DATE



CONTAMINATION/REMA

1	1K	Tarp
2	<1K	/ Gen
3	1K	/ Cold le
4		/ Tools
5		/ Hand
6		/ Collom
7		/ Platfor
8	<1K	/
9		/ Low Vat
10		/ Tools
11		/
12		/
13		/ Hepa
14		/ Platform
15		/ 6
16		/ 5
17		/
18	2K	/ Hand P
19	1K	/ Tools
20		/ Gen
21		/
22		/
23		/ Hot Le
24		/ Cold
25		/ Platfo
26		/
27	<1K	/
28		/ Tarp
29		/ Ladde
30		/ Ele Bo

...ONAL AREA STATUS SHEET 103

DESCRIPTION S/G PLATFORM NO.__UNIT NO.__ MAP NO. 1

AREA CLASSIFICATION
- ☐ RADIATION
- ■ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ■ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS
MDA = 3.7
Log # 00561042

METER TYPE/N
RSO #352
RM-14 #8809
TENN #2

UNLESS NOTED: ✱ DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR. AT WAIST LEVEL & CONTAMINATION IN DPM/100

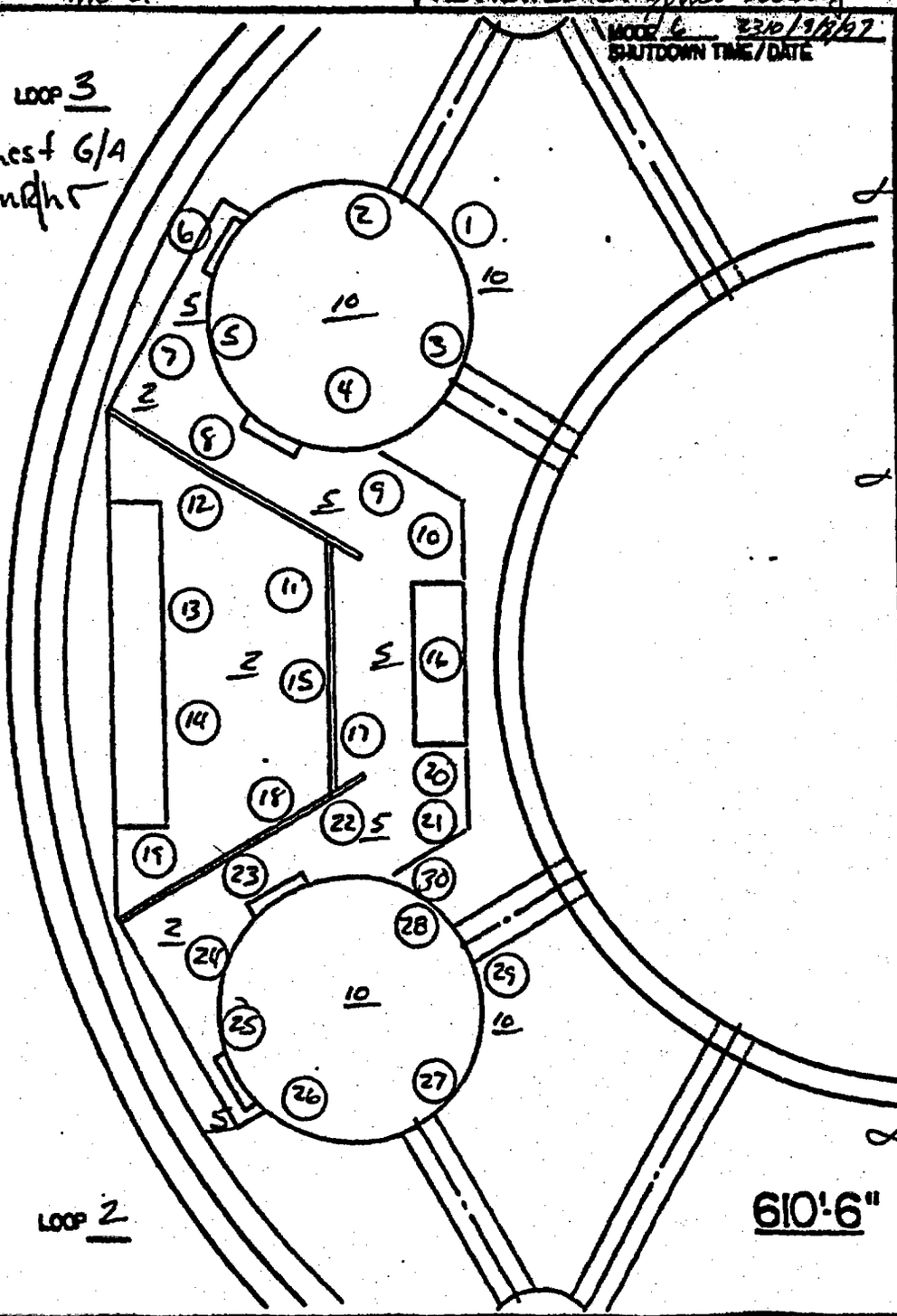
REASON FOR SURVEY
Weekly Routine

RWP USED: 1110-01

SURVEYED BY [signature] TIME 0930 DATE 1/30/

REVIEWED BY John Belanger DATE 1-30-

MODE 6 2310/1/8/97
SHUTDOWN TIME/DATE



	CONTAMINATION	REMA
1	<1K	TARP W
2		GEN
3		
4		
5		PlatfG
6		
7		
8	1K	
9		Tools
10		
11	<1K	Platfo
12		
13		Shelve
14		Platform
15		Tools
16		Pad
17		
18		Blwdn
19		Platform
20		4
21		
22		
23		Tools
24		
25		
26		
27		gen f
28		
29		
30		

DESCRIPTION Hot Leg #12 S/G

MAP NO.

AREA CLASSIFICATION
- RADIATION
- HIGH RADIATION
- EXTREME HIGH RADIATION
- CONTAMINATION
- AIRBORNE RADIOACTIVITY

REMARKS
MDA = 3.7
Log # 00SG1044

METER TYPE/
RSO #352
TENN #2

UNLESS NOTED: * DENOTES CONTACT /30 CM
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM

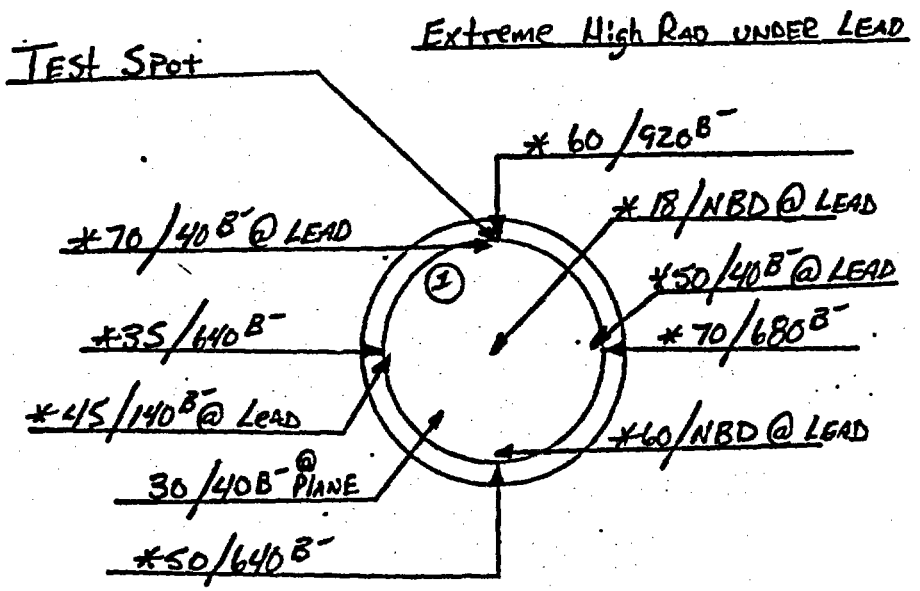
REASON FOR SURVEY
Attenuation for Grinding + Welding

RWP USED: 1110-01 – 113501

SURVEYED BY [illegible] TIME 1130 DATE 1/30/0

REVIEWED BY [illegible] DATE 1-30-

SHEILDED BY	γ	β⁻
Single Glove	60	80
Double Gloves	60	60
Double Gloves + Welding Glove	60	NBD
Single Glove + Welding Glove	60	NBD
Orange P.C.	60	80
Yellow + Orange P.C.	60	40
Face Shield	60	40
Herculite	60	40
Fire Blanket	60	80
Lead Blanket	40	NBD
Herculite + Orange P.C.	60	8



CONTAMINATION
REMA

1	< MDA /Inside
2	/
3	/
4	/
5	/
6	/
7	/
8	/
9	/
10	/
11	/
12	/
13	10
14	[illegible]
15	16
16	[illegible]
17	[illegible]
18	[illegible]
19	[illegible]
20	[illegible]
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30	/

Cold LEG #12 S/G

MAP NO. 102

RA CLASSIFICATION
- [ ] RADIATION
- [ ] HIGH RADIATION
- [ ] EXTREME HIGH RADIATION
- [ ] CONTAMINATION
- [ ] AIRBORNE RADIOACTIVITY

REMARKS
MDA = 3.7
Log # 00SG1045

METER TYPE/
RSO #352
TENN #2

UNLESS NOTED: * DENOTES CONTACT /30 CM
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM

REASON FOR SURVEY
Attenuation for Grinding & Welding

RWP USED: 1110-01 — 113501

SURVEYED BY [illegible] TIME 1135 DATE 1/30

REVIEWED BY [illegible] DATE 1-30

SHIELDED BY	γ	β⁻
FIRE BLANKET	60	NBD
FACE SHIELD	60	NBD
ORANGE P.C.	60	120
HERCOLITE + ORANGE P.C.	60	NBD
Double Gloves	60	NBD
Single Glove + Welding Glove	60	NBD

CONTAMINATION REM

1	< MDA /
2	/
3	/
4	/
5	/
6	/
7	/
8	/
9	/
10	/
11	/
12	/
13	/
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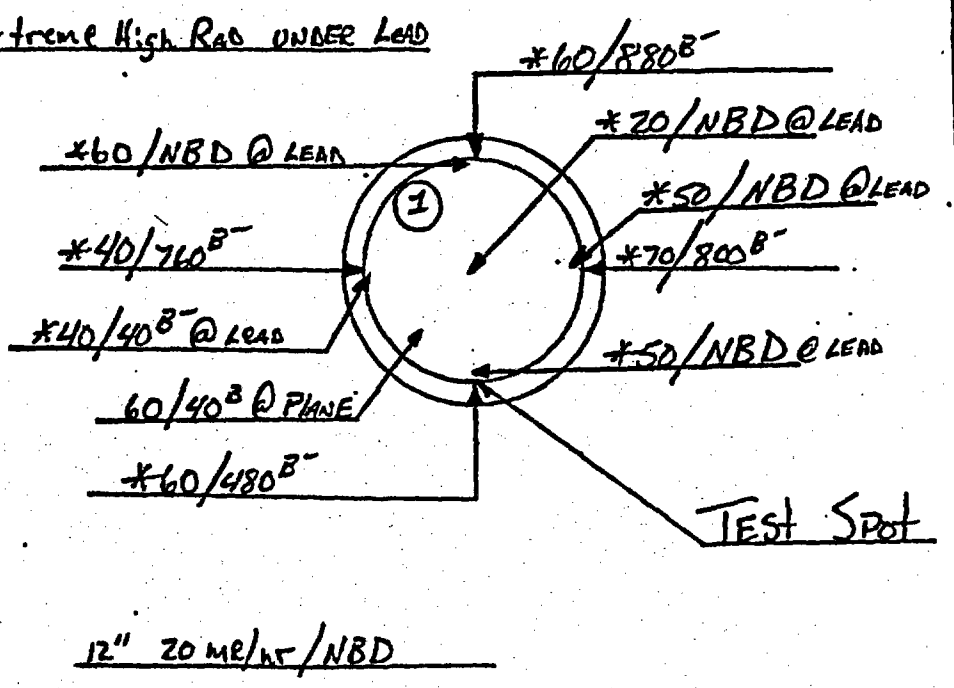
28	/

Extreme High Rad UNDER Lead



12" 20 mR/hr/NBD

MAP NO. 18

CLASSIFICATION
RADIATION
HIGH RADIATION
EXTREME HIGH RADIATION
CONTAMINATION
AIRBORNE RADIOACTIVITY

REASON FOR SURVEY
INSTALL SEAL DAMS FOR WELDING

RWP USED: 1155-02

REMARKS Log #0059 1087

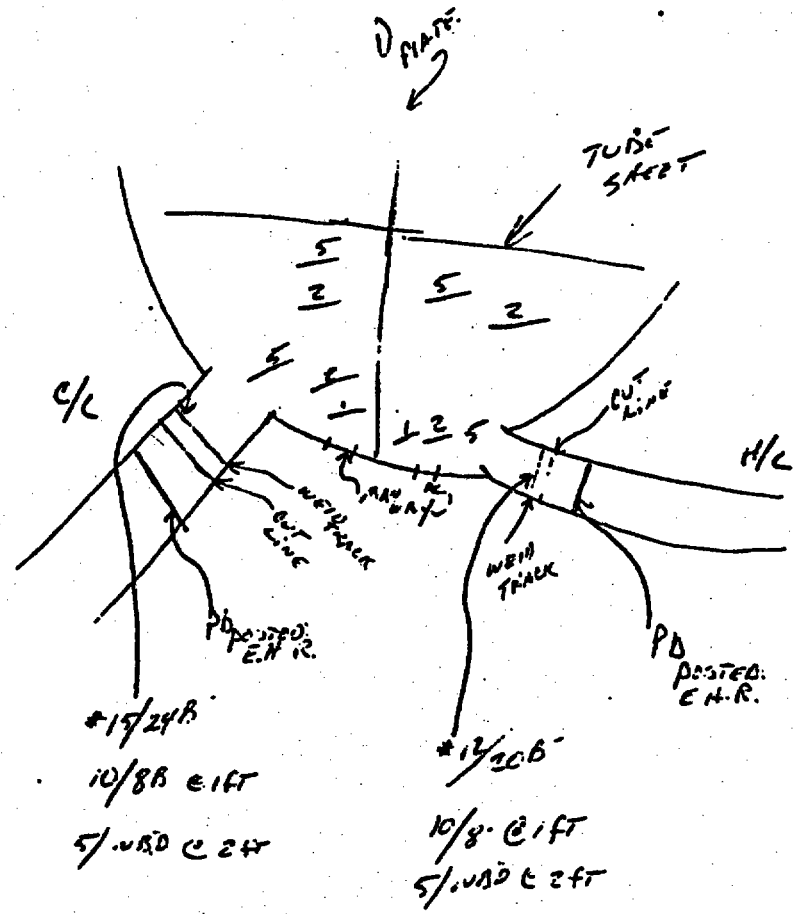
METER TYPE/N
RSO-875

UNLESS NOTED: * DENOTES CONTACT /30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM

SURVEYED BY L. Morris | TIME 0500 | DATE 2-1-0

REVIEWED BY [illegible] | DATE 2-1-0

S/G #3 H/L & C/L



CONTAMINATION/REMA

1	/
2	/
3	/
4	/
5	/
6	/
7	/
8	/
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11	/
12	/
13	/
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29	/
30	/

RADIOLOGICAL AREA STATUS SHEET

AREA DESCRIPTION UNIT #1 S/G PLATFORM #1 & #4

MAP NO.

AREA CLASSIFICATION
- [ ] RADIATION
- [x] HIGH RADIATION
- [ ] EXTREME HIGH RADIATION
- [x] CONTAMINATION
- [ ] AIRBORNE RADIOACTIVITY

REMARKS
MR # [redacted]

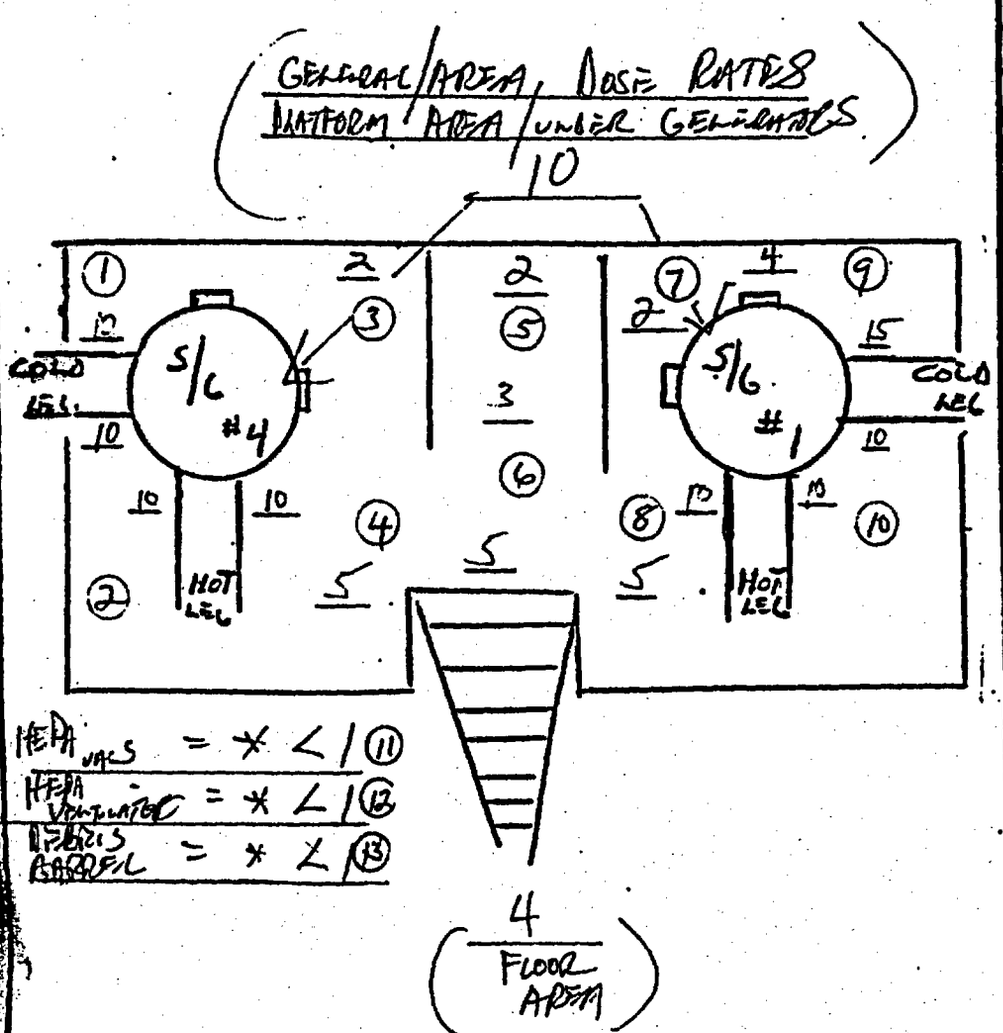
METER TYPE / NO.
RS050E # 349
RM 14 # 8809

REASON FOR SURVEY
ROUTINE SURVEY

RWP USED: [redacted]

UNLESS NOTED: * DENOTES CONTACT / 30 CM.
DOSE RATES IN MR / HR AT WAIST LEVEL & CONTAMINATION IN DPM / 100 CM

SURVEYED BY [illegible]	TIME 0900	DATE 2/3/00
REVIEWED BY [illegible]		DATE 2/3/00



CONTAMINATION / REMARKS

1	< 1000 B-γ / PLATFORM
2	
3	
4	
5	
6	
7	
8	
9	
10	< 1000 B-γ / PLATFORM
11	< 1000 B-γ / VAC S
12	< 1000 B-γ / VENTILATOR
13	< 1000 B-γ / BARREL
14	
15	
16	
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RADIOLOGICAL AREA STATUS SHEET 65

AREA DESCRIPTION S/G PLATFORM NO. 2/3 UNIT NO. 1 | **MAP NO.** 139

AREA CLASSIFICATION
- ☐ RADIATION
- ■ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ■ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS
α MDA = 7.9
LOGSHEET # - 00561169
LDWA = LOW DOSE WAITING AREA

METER TYPE / NO.
RSO-354
RM-14 - 8809
TN-1

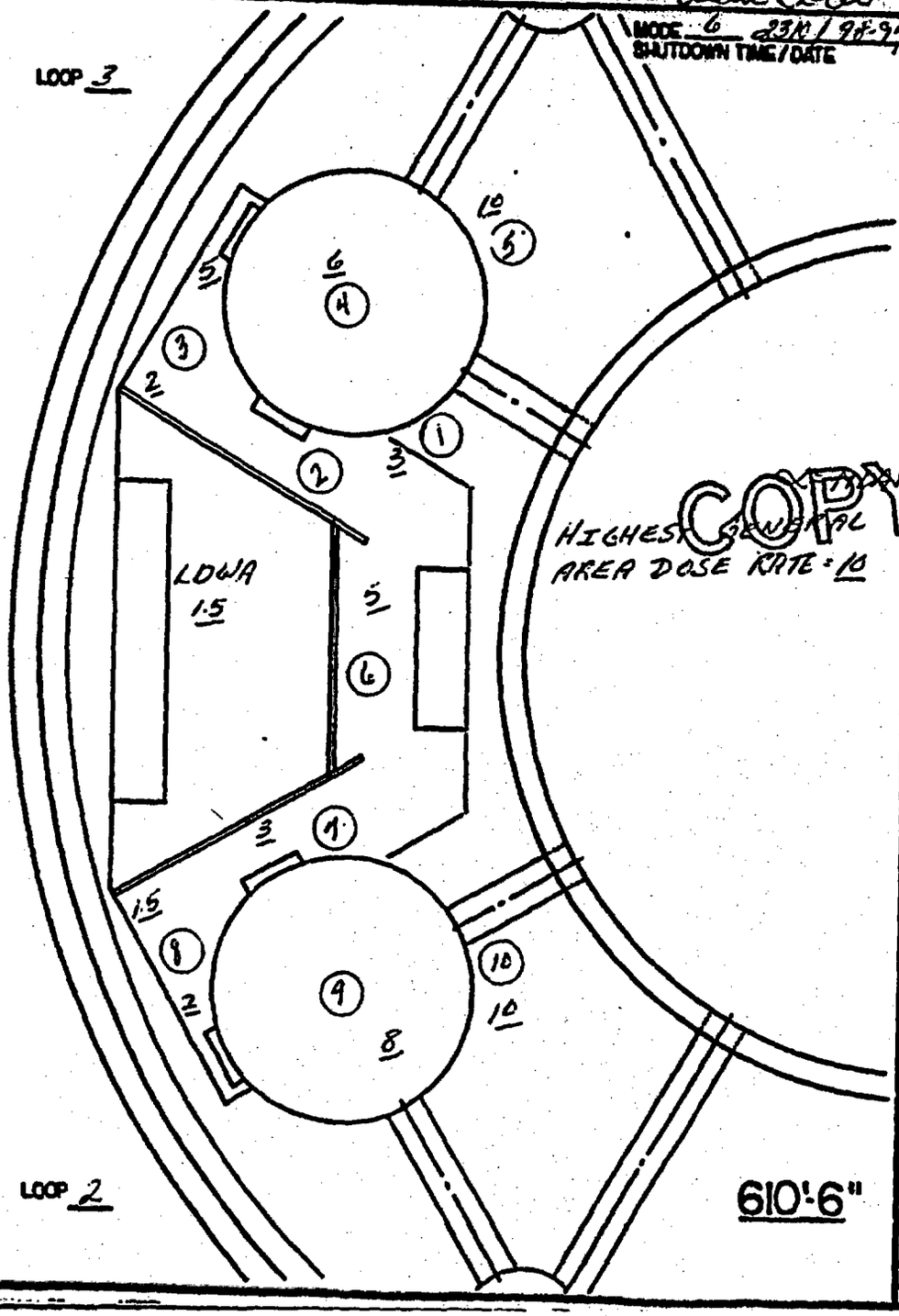
UNLESS NOTED: ✱ DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM / 100 CM²

REASON FOR SURVEY
ROUTINE

RWP USED: 00-1110-01

SURVEYED BY C. Maynard | TIME 0145 | DATE 2/4/00
REVIEWED BY Aaron Cobb | DATE 2/4/00

MODE 6 23:00 / 98-02-27
SHUTDOWN TIME / DATE



CONTAMINATION / REMARKS

1	<1K	FLOOR
2	<1K	RTD PIPE
3	<1K	FLOOR
4	<1K	↓
5	<1K	
6	<1K	
7	<1K	RTD PIPE
8	<1K	FLOOR
9	<1K	
10	1K	↓
11		
12		
13		
14		
15		
16		
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18		
19	N	
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RADIOLOGICAL AREA STATUS SHEET

DESCRIPTION S/G PLATFORM NO. 1/2 UNIT NO. 1 MAP NO. 15

AREA CLASSIFICATION
- RADIATION
- HIGH RADIATION
- EXTREME HIGH RADIATION
- CONTAMINATION
- AIRBORNE RADIOACTIVITY

REMARKS
LOGSHEET # 00561180

METER TYPE / NO
RMN-8808
RSO-342

REASON FOR SURVEY
Daily UPDATE

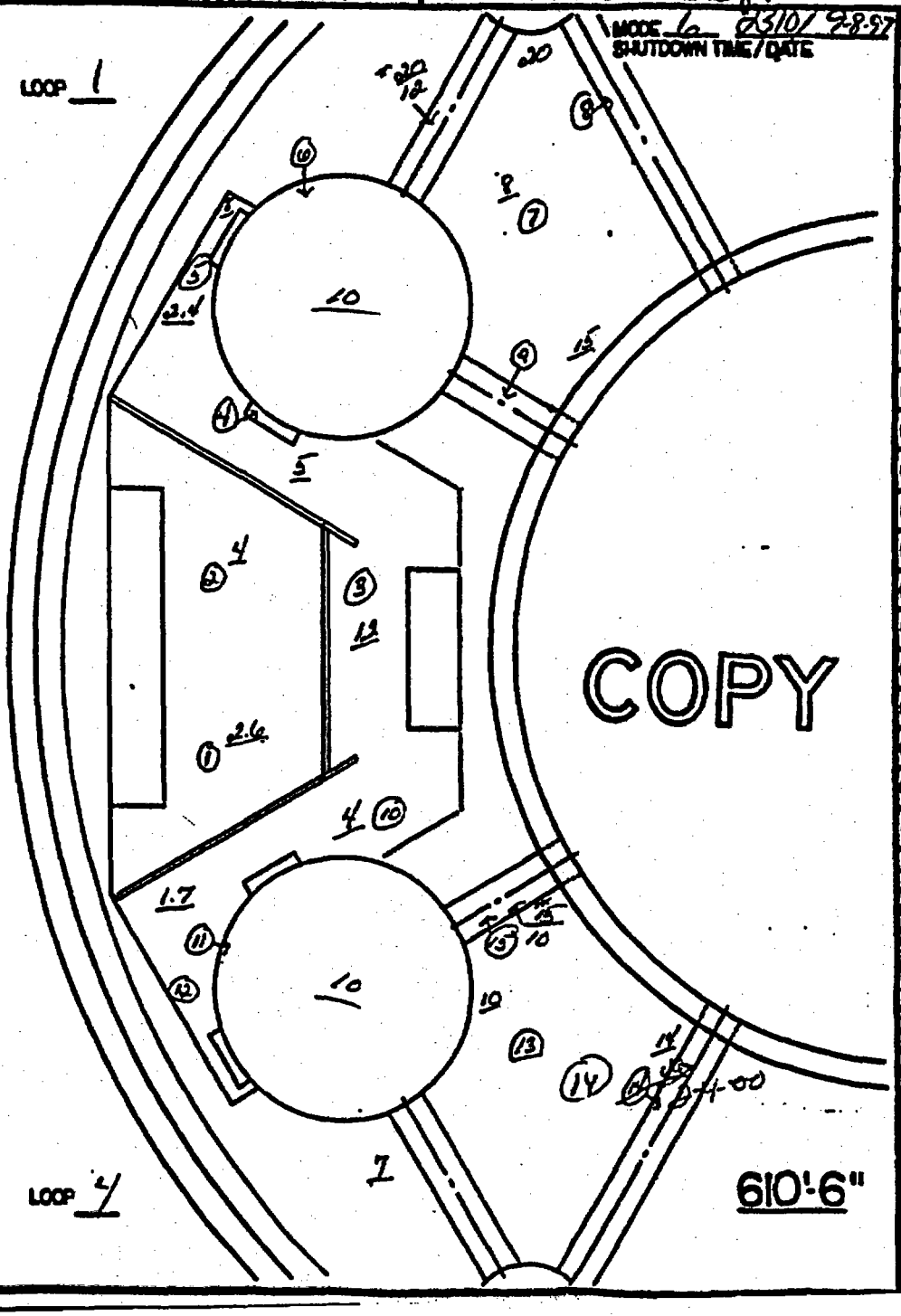
RWP USED: ~~0010~~ 2-4-00 00110-01

UNLESS NOTED: ✱ DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100 CM²

SURVEYED BY WAS TIME 0810 DATE 2-4-00

REVIEWED BY DATE 2-4-00

MODE 6 2310/ 2-8-97
SHUTDOWN TIME/DATE



CONTAMINATION

		REMARKS
1	<1K	FLOOR
2	<1K	FLOOR
3	6K	PIPE
4	<1K	
5	<1K	CAMLOCK
6	<1K	S/G BOWL
7	1K	FLOOR
8	<1K	PIPE
9	1K	PIPE
10	<1K	FLOOR
11	9K	S/G BOWL
12	2K	DUP PA
13	1K	FLOOR
14	20K	PIPE
15	<1K	PIPE
16		
17		
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30		

AREA DESCRIPTION Steam Generator # 1, # 4 Platform

MAP NO. 41

AREA CLASSIFICATION
- [ ] RADIATION
- [x] HIGH RADIATION
- [ ] EXTREME HIGH RADIATION
- [x] CONTAMINATION
- [ ] AIRBORNE RADIOACTIVITY

REMARKS
#5/6 Hot + Cold legs posted High Radiation and HCSCA at Pipe End.
00SG1223

METER TYPE/NO
RM-14 #8809
RSO #334

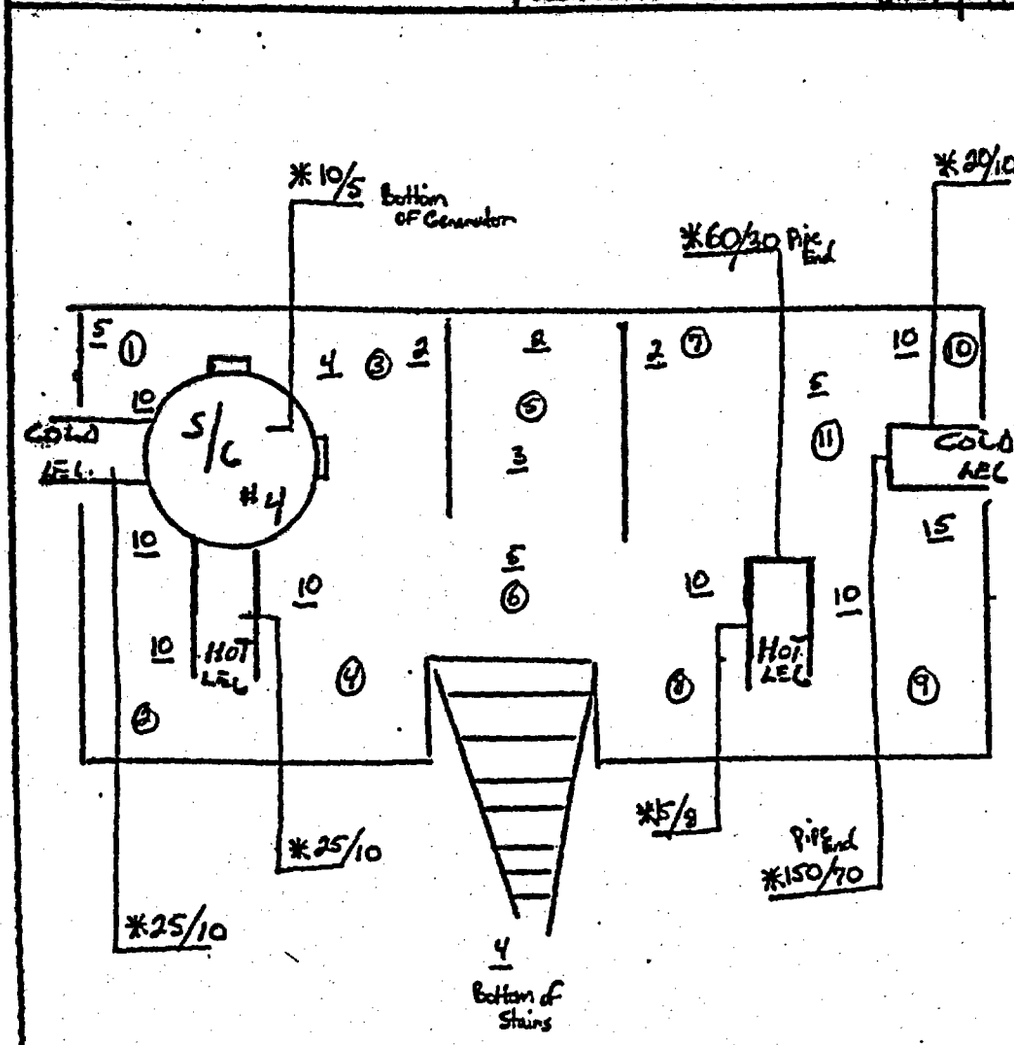
UNLESS NOTED: * DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100

REASON FOR SURVEY
Daily Routine

RWP USED: 00 1110-01

SURVEYED BY D. Barrow | TIME 1400 | DATE 2-5-00

REVIEWED BY - | DATE 2-5-00



CONTAMINATION/REMARKS

1	<1K	Floor
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
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RADIOLOGICAL AREA STATUS SHEET 14

AREA DESCRIPTION 660' U1 CONT, TOP OF # SG ENCLOSURE

MAP NO.

AREA CLASSIFICATION
- [x] RADIATION
- [x] HIGH RADIATION
- [ ] EXTREME HIGH RADIATION
- [x] CONTAMINATION
- [ ] AIRBORNE RADIOACTIVITY

REMARKS [redacted]

METER TYPE/NO. RSO-50E 843
RM 14 868

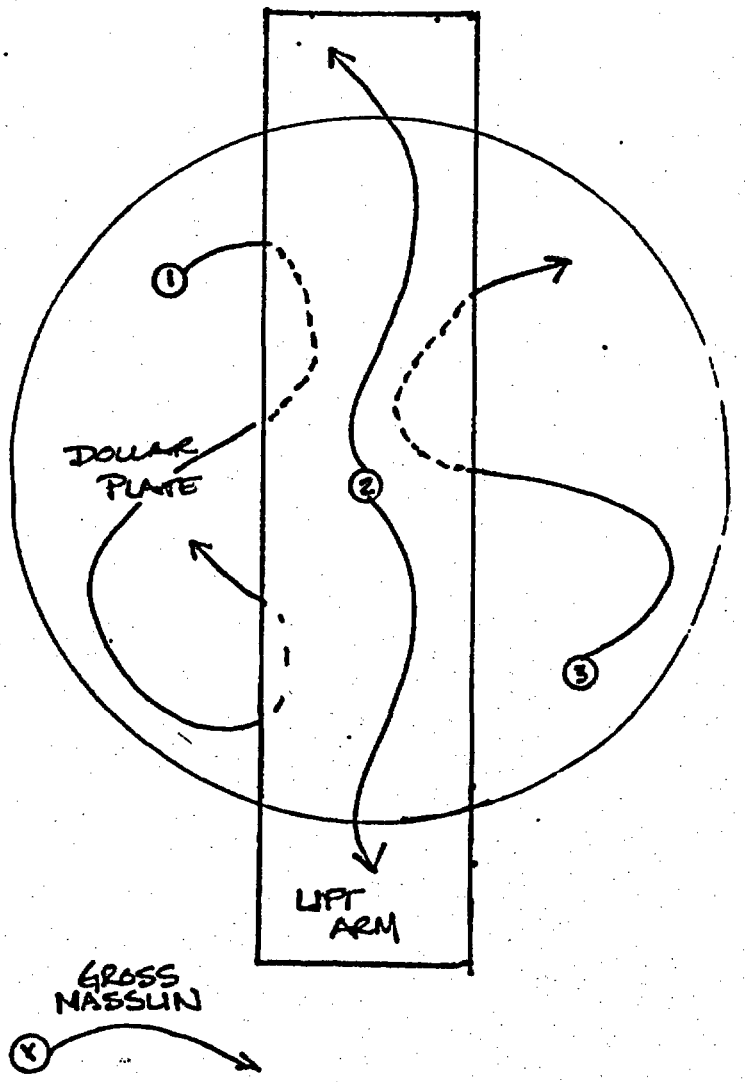
UNLESS NOTED: * DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100C

REASON FOR SURVEY LIFTING #1 SGLA

SURVEYED BY [signature] TIME 1230 DATE 02-05-2000

RWP USED: 00110-01 [redacted] REVIEWED BY John Blanger DATE 2-6-00

HIGHEST GENERAL AREA BMR TAKEN WHEN DOLLAR PLATE LEVEL ~~[illegible]~~ WITH DOGHOUSE SCAFFOLD PLATFORM



CONTAMINATION/REMARK

1	<100 CCPM/	GROSS NASSLIN
2	/	
3	/	
4	/	
5	/	
6	/	
7	/	
8	/	
9	/	
10	/	
11	/	
12	/	
13	/	
14	/	
15	/	
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29	/	
30	/	

RADIOLOGICAL AREA STATUS SHEET 13

AREA DESCRIPTION #1 S/G Lower Assembly

MAP NO.

AREA CLASSIFICATION
- ☐ RADIATION
- ■ HIGH RADIATION
- ■ EXTREME HIGH RADIATION
- ■ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS
[#] DENOTES LARGE AREA MASSLINN
Shower CAPS ARE Removed.
LOGSHEET [redacted]
UNLESS NOTED * DENOTES CONTACT /30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100 CM²

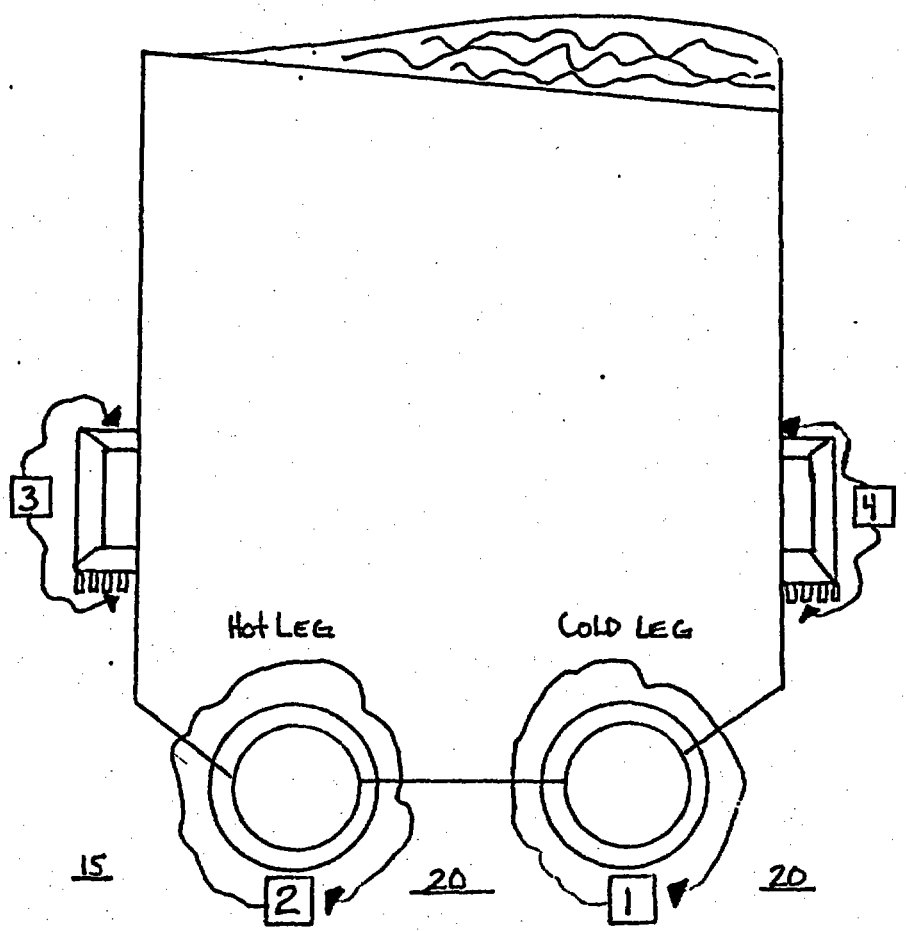
METER TYPE/NO.
RSO 50 E # 747
RM 14 # 8688

REASON FOR SURVEY
Post Decon and Deburring of Hot Leg and Cold Leg
RWP USED: 00 11 10-01

SURVEYED BY T. GREEN / L. Kumsi **TIME** 2230 **DATE** 2-5-00

REVIEWED BY John-Bilayon **DATE** 2-6-00

[redacted] HIGHEST G/A 200 mrem/HR.



PLANE	30cm.	3FT.	PLANE	30cm.	3FT.
250 α	180 α	125 α	300 α	200 α	100 α
400 β	240 β	100 β	800 β	400 β	80 β

CONTAMINATION/ REMARKS

1	200 cpm / masslinn
2	200 cpm / masslinn
3	200 cpm / masslinn
4	600 cpm / masslinn
5	/
6	/
7	/
8	/
9	/
10	/
11	/
12	/
13	/
14	/
15	/
16	/
17	/
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27	/
28	/
29	/
30	/

N/A

RADIOLOGICAL AREA STATUS SHEET 49

AREA DESCRIPTION S/G PLATFORM NO. 2/3 UNIT NO. 1 | **MAP NO.** 139

AREA CLASSIFICATION
- ☐ RADIATION
- ☐ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☐ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS
Log # 00 SS 1259

METER TYPE / NO.
RSO 347
TN1
RM14 8809

UNLESS NOTED ⊕ DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM / 100 CM²

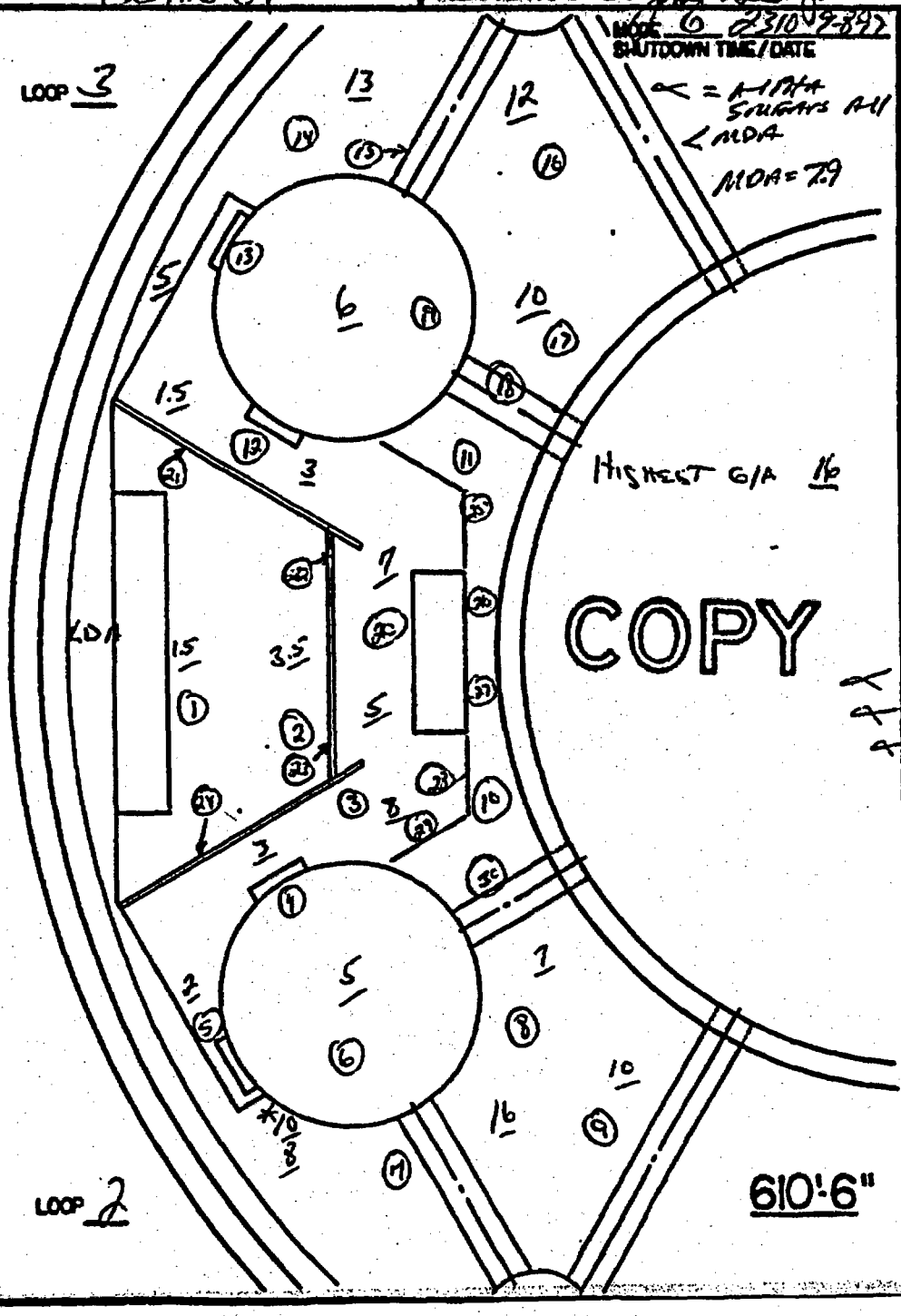
REASON FOR SURVEY
Wk14

RWP USED: 00/110-01

SURVEYED BY WK Gunnosum | TIME 0730 | DATE 2-6-00
REVIEWED BY John Palmer | DATE 2-6-00

MODE 6 2310 2-5-00
SHUTDOWN TIME / DATE

α = ALPHA SMEARS ALL < MDA
MDA = 7.9



CONTAMINATION / REMARK

1	<1K	/ Cavity
2		/ Floor
3		/ Floor
4		/ Manway
5		/ Floor
6		/ S/G
7		/ Floor
8		/ Floor
9		/ Pipe
10		/ Floor
11		/ Floor
12		/ Floor
13		/ Manway
14	<1K	/ Floor
15	3K	/ chair leg
16	1K	/ Floor
17	1K	/ Floor
18	<1K	/ Hot leg
19		/ S/G
20		/ Hand rail
21		/
22		/
23		/
24		/
25		/
26		/
27		/
28		/
29		/ Handrail
30	<1K	/ Hot leg

RADIOLOGICAL AREA STATUS SHEET

AREA DESCRIPTION U-1 CTMT S/G #3 H/L + C/L

MAP NO.

AREA CLASSIFICATION
- ☐ RADIATION
- ☒ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☒ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS
- NO HOT PART FOUND
- NO DATA FOUND IN WORK AREA

METER TYPE/NO.
RSO 564
RM-14 8509

REASON FOR SURVEY POST GRIND H/L + C/L #3 S/G

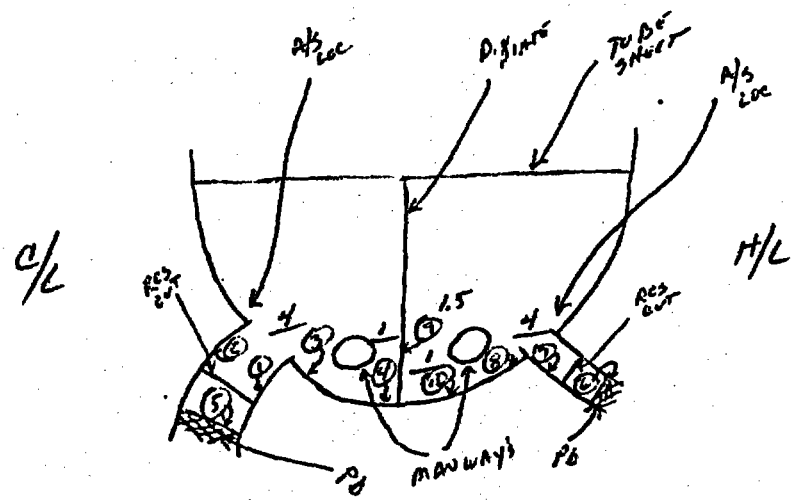
RWP USED: [redacted]

UNLESS NOTED: * DENOTES CONTACT/30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100CM²

SURVEYED BY L. Morris | TIME 0300 | DATE 2-6-00

REVIEWED BY John Belanger | DATE 2-6-00

#3 S/G



NOTE: HEPA HOSES 1/3 CHANNEL HEAD DURING GRIND, GRIND & FLAPPING

NOTE: NO D FOUND IN WORK AREA
WORK AREA: 1/3 CHANNEL HEAD
NOT 1/3 RES PIPE

CONTAMINATION/REMARKS

1	<1K	1/3 NEW PIPE	C/L
2	<1K	1/3 NEW PIPE	C/L
3	<1K	1/3 CHANNEL HEAD	C/L
4	<1K	1/3 CHANNEL HEAD	C/L
5	12K	ON PB	C/L
6	35K	ON PB	H/L
7	<1K	1/3 NEW PIPE	H/L
8	<1K	1/3 CHANNEL HEAD	H/L
9	<1K	DIA PLATE	H/L
10	<1K	1/3 CHANNEL HEAD	H/L
11			
12			
13		0	
14		0	
15		1	
16		6	
17		3	
18		1	
19		K6	
20		1	
21		1	
22		X	
23			
24			
25			
26			
27			
28			
29			
30			

AREA DESCRIPTION U-1 S/G 4 Lower Assembly

MAP NO. 8

AREA CLASSIFICATION
- [ ] RADIATION
- [x] HIGH RADIATION
- [ ] EXTREME HIGH RADIATION
- [x] CONTAMINATION
- [ ] AIRBORNE RADIOACTIVITY

REMARKS
Survey #0056-1237
Highest GA Dose Rate 36mR/hr

METER TYPE/I
RSO 347
RM14 8809

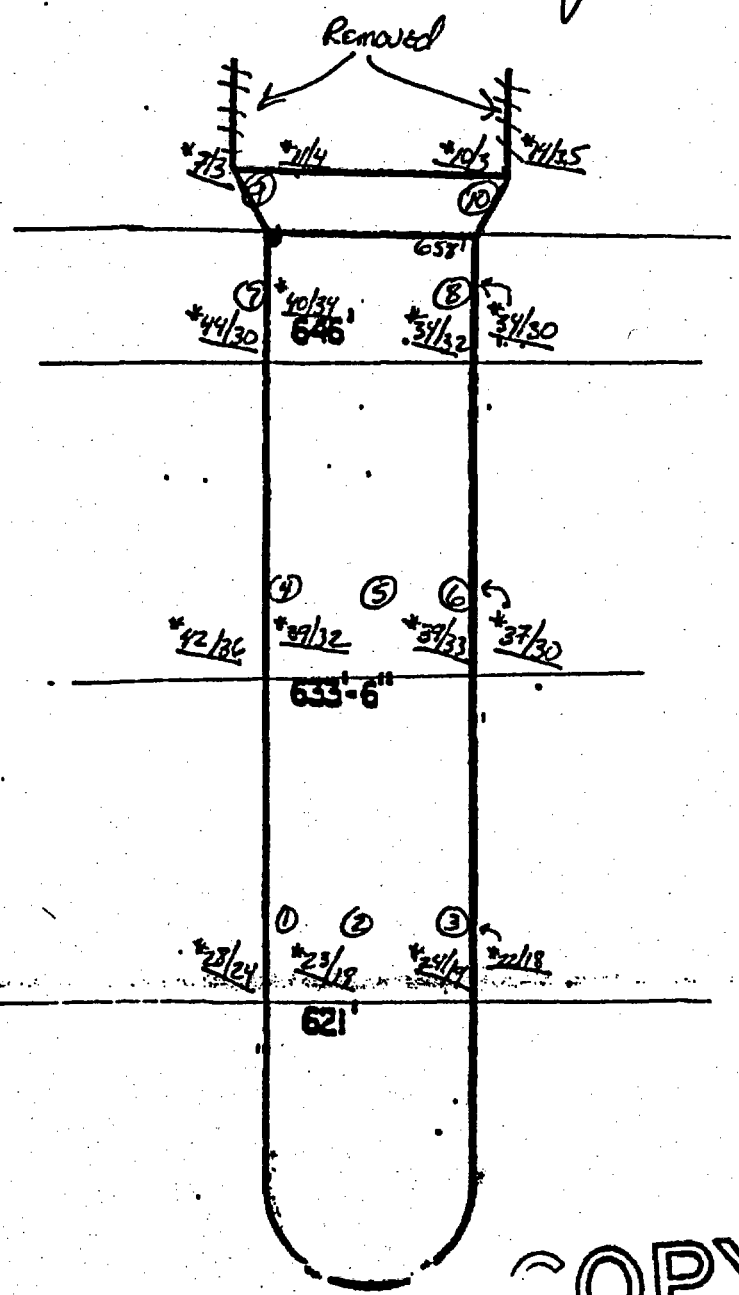
REASON FOR SURVEY
Informational verification

RWP USED: 00-411001

UNLESS NOTED: * DENOTES CONTACT /30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/

SURVEYED BY [illegible] **TIME** 0730 **DATE** 2/7/8

REVIEWED BY [illegible] **DATE** 2-7-



COPY

	CONTAMINATION	REMA
1	<1000	/ S/G
2		/
3		/
4		/
5		/
6		/
7		/
8		/
9	<1000	/ S/G
10		/
11		/
12		/
13		/
14		/
15		/
16		/
17		/
18		/
19		/
20		/
21		/
22		/
23		/
24		/
25		/
26		/
27		/
28		/
29		/
30		/

RADIOLOGICAL AREA STATUS SHEET #39

AREA DESCRIPTION

MAP NO.

AREA CLASSIFICATION
- ☐ RADIATION
- ☐ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☐ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS
LOS #00SG1296

METER TYPE/NO
RSO 747
RM IV 8809

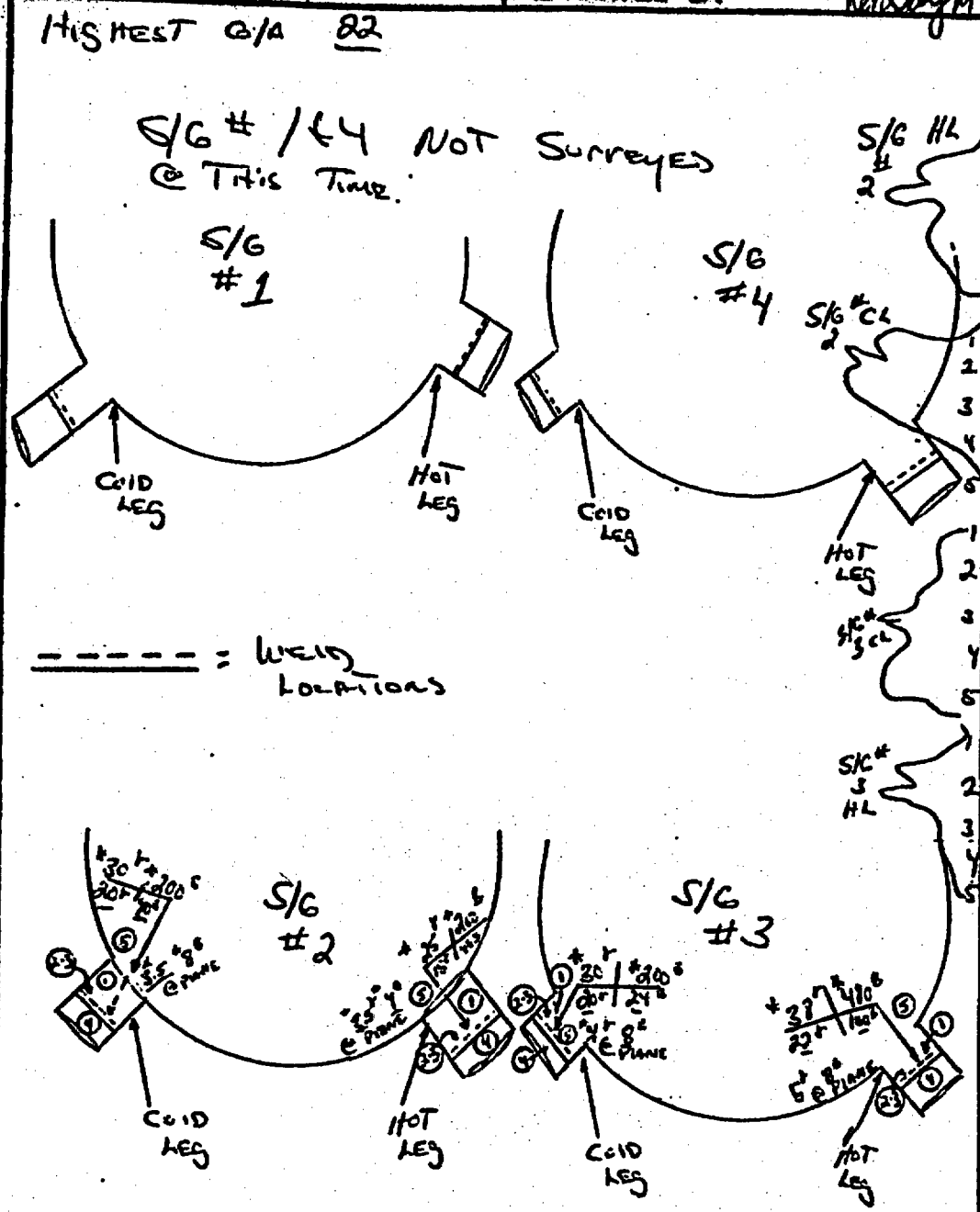
REASON FOR SURVEY
DOSE RATE VERIFICATION

RWP USED: 00H10-01

UNLESS NOTED * DENOTES CONTACT/30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100

SURVEYED BY WK TIME 1030 DATE 2-7-00
REVIEWED BY Ken Lyon DATE 2-7-00

HIGHEST G/A 22



CONTAMINATION/G REMARKS

1	1 K	ABOVE WELD
2	1 K	WELD
3	2 K	WELD
4	5 K	BELOW WELD
5	2 K	G/A
6	2 K	ABOVE WELD
7	2 K	WELD
8	3 K	WELD
9	6 K	BELOW WELD
10	<1K	G/A
11	1 K	ABOVE WELD
12	1 K	WELD
13	1 K	WELD
14	1 K	BELOW WELD
15	3 K	G/A
16	2 K	ABOVE WELD
17	2 K	WELD
18	2 K	WELD
19	11K	BELOW WELD
20	4K	G/A
21		
22		
23		
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28		
29		
30		

U-1 S/G 4 Cover Assembly

MAP NO. 28

AREA CLASSIFICATION
- RADIATION
- HIGH RADIATION
- EXTREME HIGH RADIATION
- CONTAMINATION
- AIRBORNE RADIOACTIVITY

REMARKS
Survey #005G-1284
Highest GA Dose Rate 36mR/hr

METER TYPE
RSO 347
RM14 8809

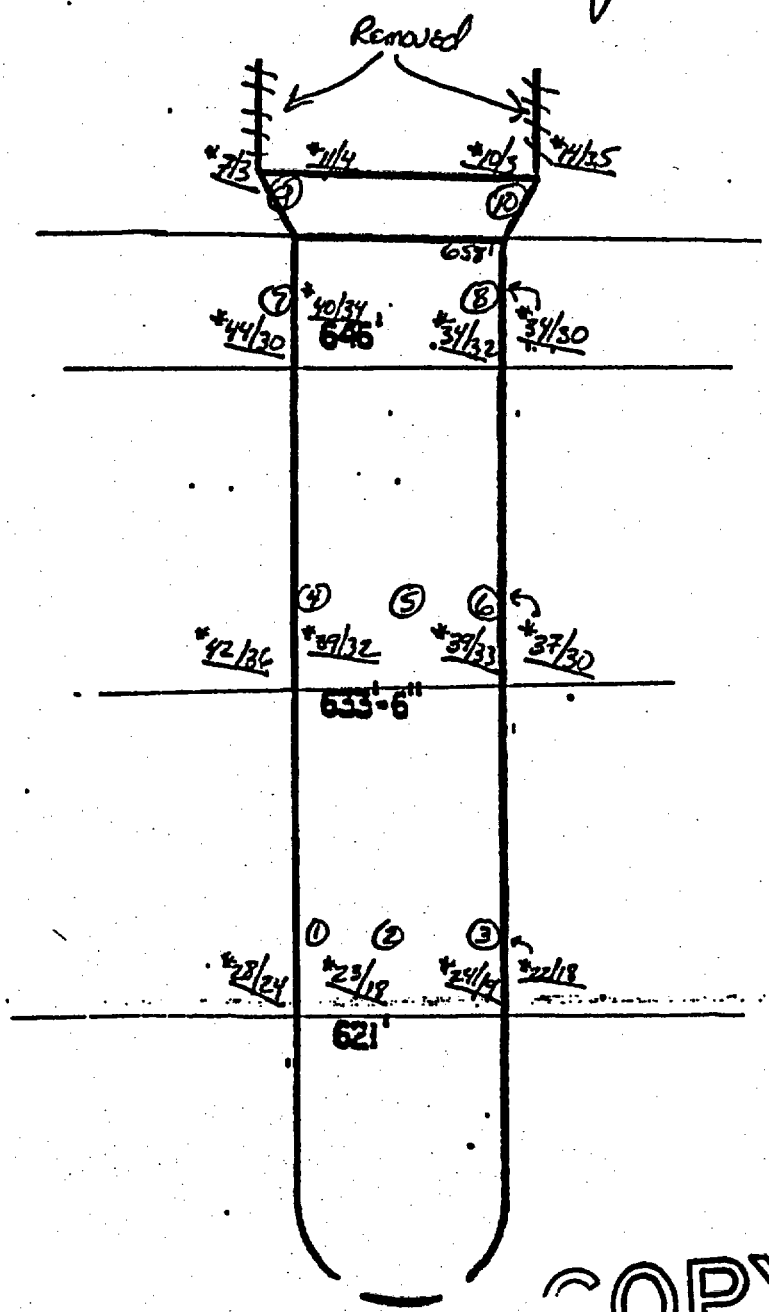
REASON FOR SURVEY
Informational verification

RWP USED: 00-411001

UNLESS NOTED: * DENOTES CONTACT / 30 CM. DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM

SURVEYED BY [illegible] TIME 0730 DATE 2/8/

REVIEWED BY [illegible] DATE 2-



CONTAMINATION	REM
1 <1000	/ S/
2	/
3	/
4	/
5	/
6	/
7	/
8	/
9	/
10 <1000	/ S/
11	/
12	/
13	/
14	/
15	/
16	/
17	/
18	/
19	/
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30	/

COPY

RADIOLOGICAL AREA STATUS SHEET [redacted]

AREA DESCRIPTION U1 w/c 650' Dance Floor

MAP NO.

AREA CLASSIFICATION
- ☐ RADIATION
- ■ HIGH RADIATION
- ■ EXTREME HIGH RADIATION *
- ■ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS [redacted]

Refer to LS#00061311 for Dose Rate Information.
*- on shower caps

METER TYPE/NO

RM14-8688

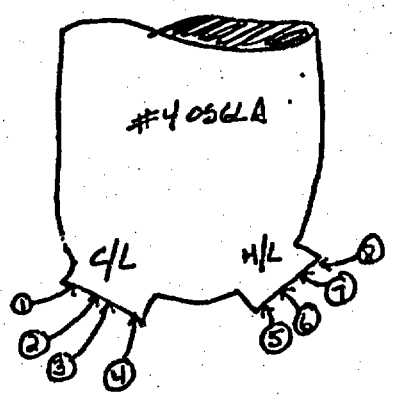
UNLESS NOTED: * DENOTES CONTACT/30 CM
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100

REASON FOR SURVEY
Pre-job for welding

RWP USED [redacted]

SURVEYED BY WKAke | TIME 0645 | DATE 2-8-00

REVIEWED BY John Belanger | DATE 2-8-00



Shower caps are in place. Water present in H/L shower cap.

	CONTAMINATION/6	REMARKS
1	<1000	C/L surface
2	8000	
3	<1000	
4	10000	
5	1000	H/L surface
6	3000	
7	3000	
8	15000	
9	N/A	N/A
10		
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0016

RADIOLOGICAL AREA STATUS SHEET

AREA DESCRIPTION Steam Generator #4

MAP NO.

AREA CLASSIFICATION
- RADIATION
- HIGH RADIATION
- EXTREME HIGH RADIATION
- CONTAMINATION
- AIRBORNE RADIOACTIVITY

REMARKS
Log Sheet no. [redacted]

METER TYPE/NO
RM 14 - 8688

UNLESS NOTED: * DENOTES CONTACT /30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100

REASON FOR SURVEY
Cleanliness verification

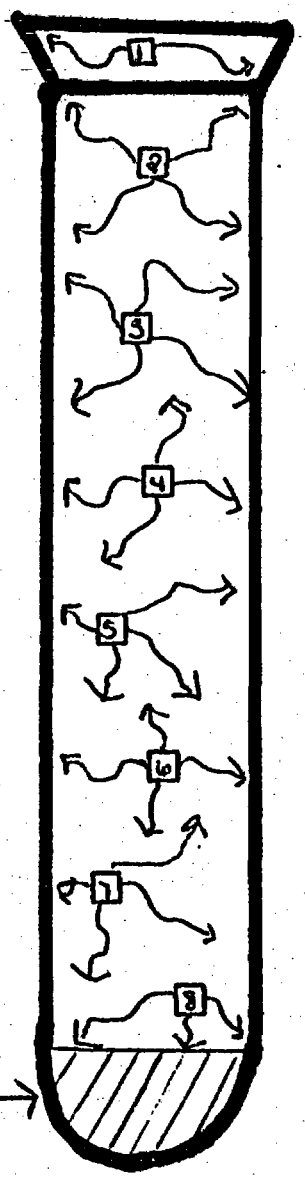
RWP USED: 00-1110-01

SURVEYED BY K. Garcia / L. Pruett **TIME** 4:00 **DATE** 2-8-00

REVIEWED BY John Belanger **DATE** 2-9-00

[redacted]

☐ = LAM → all Large area masslins ← KG 2-8-00
<100 cpm/masslin



non-surveyed area

	CONTAMINATION/3	REMARKS
1	/	
2	/	
3	/	
4	/	
5	/	
6	/	
7	/	
8	/	
9	/	
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IN

RADIOLOGICAL AREA STATUS SHEET 4

AREA DESCRIPTION 650' LEVEL UNIT NO. 1

MAP NO.

AREA CLASSIFICATION
- [x] RADIATION @ Start Entrance
- [ ] HIGH RADIATION
- [ ] EXTREME HIGH RADIATION
- [x] CONTAMINATION
- [ ] AIRBORNE RADIOACTIVITY

REMARKS [redacted]

Water leaking out of both nozzles

METER TYPE / NO

RM14-8688

UNLESS NOTED: * DENOTES CONTACT / 30 CM. DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM /

REASON FOR SURVEY

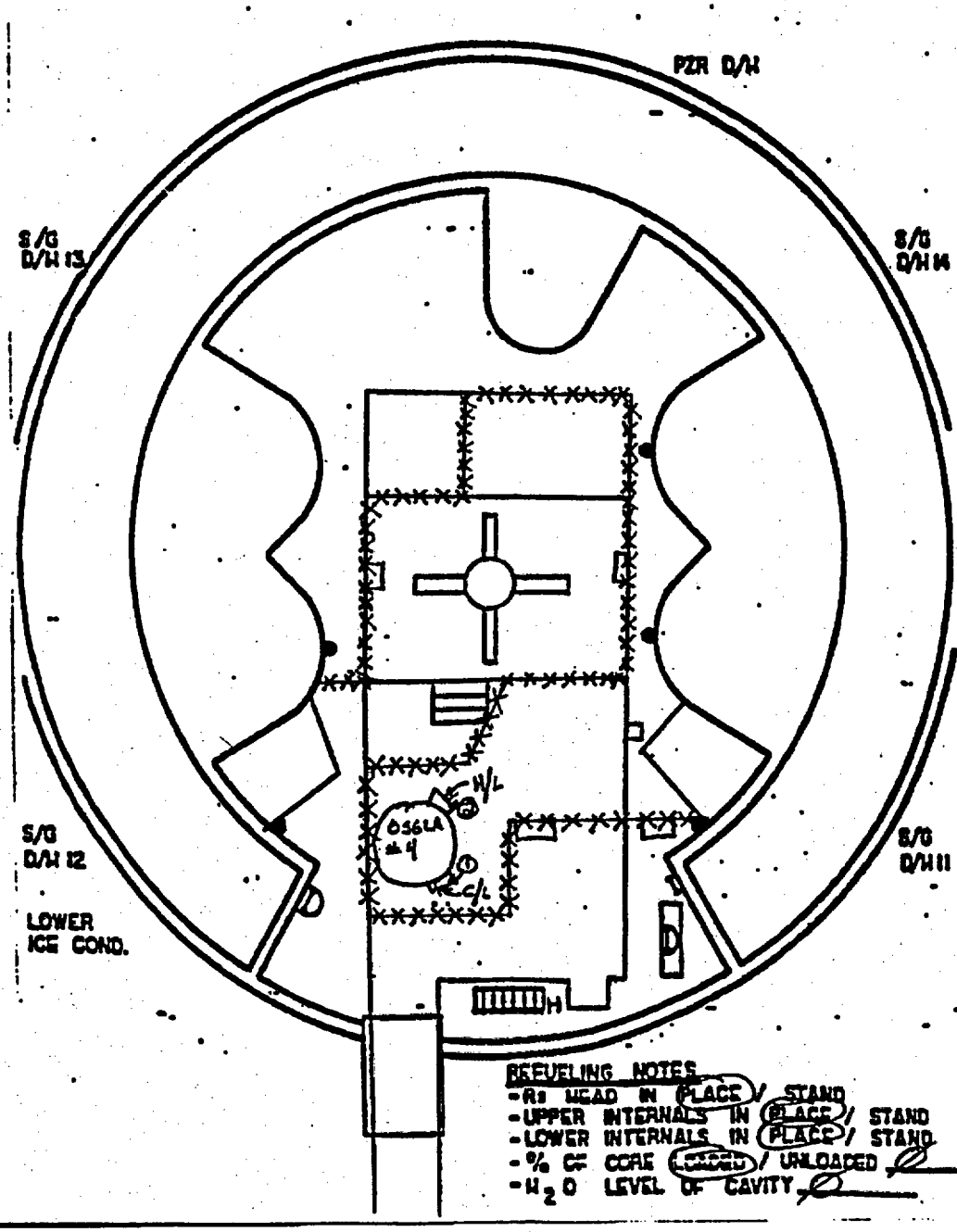
Enlarge Contaminated Area in support of welding RCS Nozzle Covers + building scaffold

RWP USED: [redacted]

SURVEYED BY [illegible] **TIME** 1600 **DATE** 2-8-00

REVIEWED BY [illegible] **DATE** 2/8/00

MODE 6 SHUTDOWN TIME / DATE 2310/9-8-97



CONTAMINATION / REMAR

1	< 1000	/ C/L 6
2	6000	/ H/L
3	N/A	/ N/A
4		/
5		/
6		/
7		/
8		/
9		/
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100		/

REFUELING NOTES
- Rx HEAD IN PLACE / STAND
- UPPER INTERNALS IN PLACE / STAND
- LOWER INTERNALS IN PLACE / STAND
- % OF CORE LOADED / UNLOADED
- H_2O LEVEL OF CAVITY

AREA DESCRIPTION UNIT #1 CONTAINMENT Updated 2/6/00 S/G PLATFORM #1 & #4

MAP NO.

AREA CLASSIFICATION
- [ ] RADIATION
- [x] HIGH RADIATION
- [ ] EXTREME HIGH RADIATION
- [x] CONTAMINATION
- [ ] AIRBORNE RADIOACTIVITY

REMARKS
NBR 00561358

METER TYPE/
RSO# 843
RM 14# 8809

UNLESS NOTED: * DENOTES CONTACT/30 CM. DOSE RATES IN MR/HR, AT WAIST LEVEL, & CONTAMINATION IN DPM/

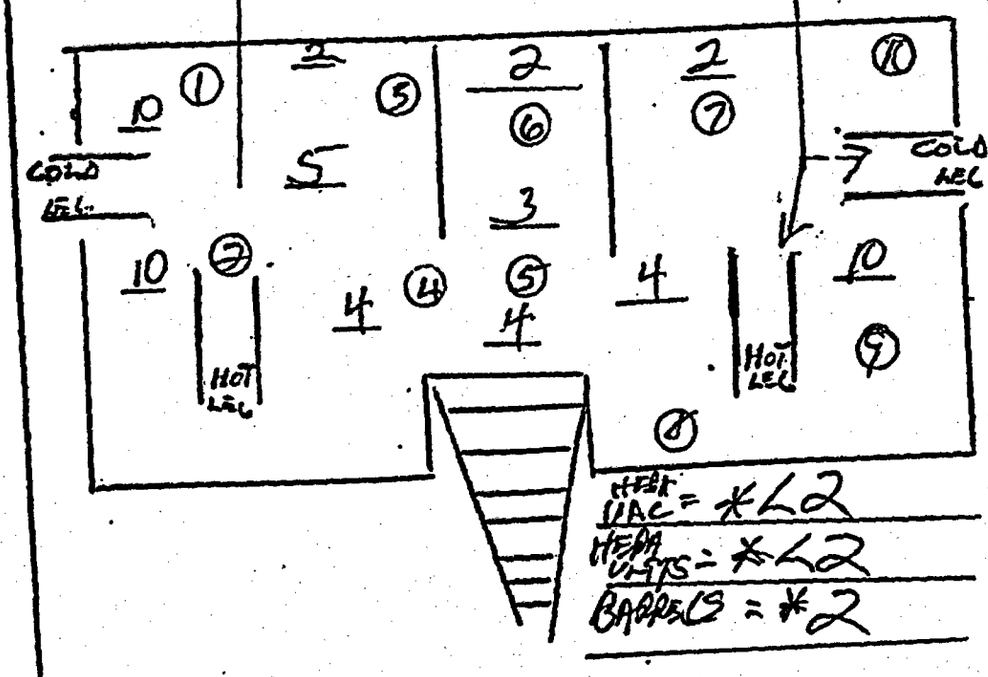
REASON FOR SURVEY
Routine

RWP USED: 00-1137

SURVEYED BY [illegible] TIME 1700 DATE 2/8/00

REVIEWED BY [illegible] DATE 2/9/00

No Hot Particles Detected During Particle Survey.



CONTAMINATION REMA

1	<1000	1 PLATE
2		
3		
4		
5		
6		
7		
8		
9	<1000	1 PLATE
10		
11		
12		
13		
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COPY

1-50
20-50F
1K-8F

RADIOLOGICAL AREA STATUS SHEET 35

AREA DESCRIPTION S/G PLATFORM NO. 4 UNIT NO. 1 **MAP NO.** 139

AREA CLASSIFICATION
- ☐ RADIATION
- ☐ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION UNDER LEAD
- ☐ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS
LO[illegible]
UNLESS NOTED ⊗ DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100 CM²

METER TYPE/NO.
RSO -839
RM-14 8809

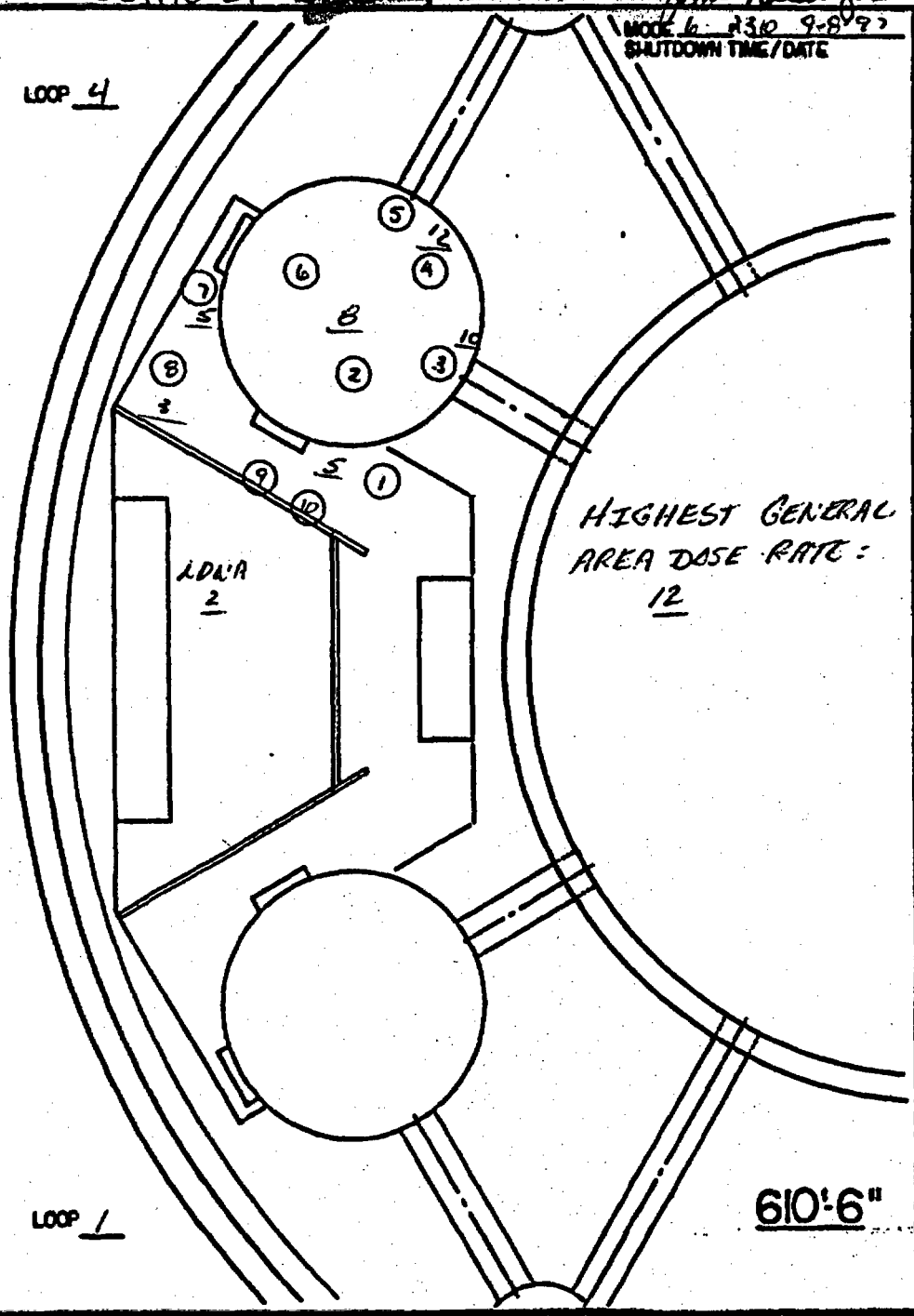
REASON FOR SURVEY
As left After Tri-pod installation

RWP USED: 001110-01

SURVEYED BY M. DAGGER TIME 2300 DATE 2-8-00

REVIEWED BY John Nelson DATE 2-9-00

MODE 6 2310 9-8-97
SHUTDOWN TIME/DATE



CONTAMINATION/REMARKS

1	<1K	Floor
2	<1K	
3	1K	
4	1K	
5	2K	
6	1K	Floor
7	<1K	tools
8	<1K	tools
9	4K	Pipe plate
10	2K	pipe plate
11		
12		
13		
14		
15		
16		
17		
18	N	A
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RADIOLOGICAL AREA STATUS SHEET

AREA DESCRIPTION u/1 upper CTMT 650'

MAP NO.

AREA CLASSIFICATION
- [x] RADIATION
- [ ] HIGH RADIATION
- [ ] EXTREME HIGH RADIATION
- [ ] CONTAMINATION
- [ ] AIRBORNE RADIOACTIVITY

REASON FOR SURVEY
Release from CA to Aux. Bldg.

RWP USED: [redacted]

REMARKS
Areas ALREADY NOT surveyed KB 2/8/00

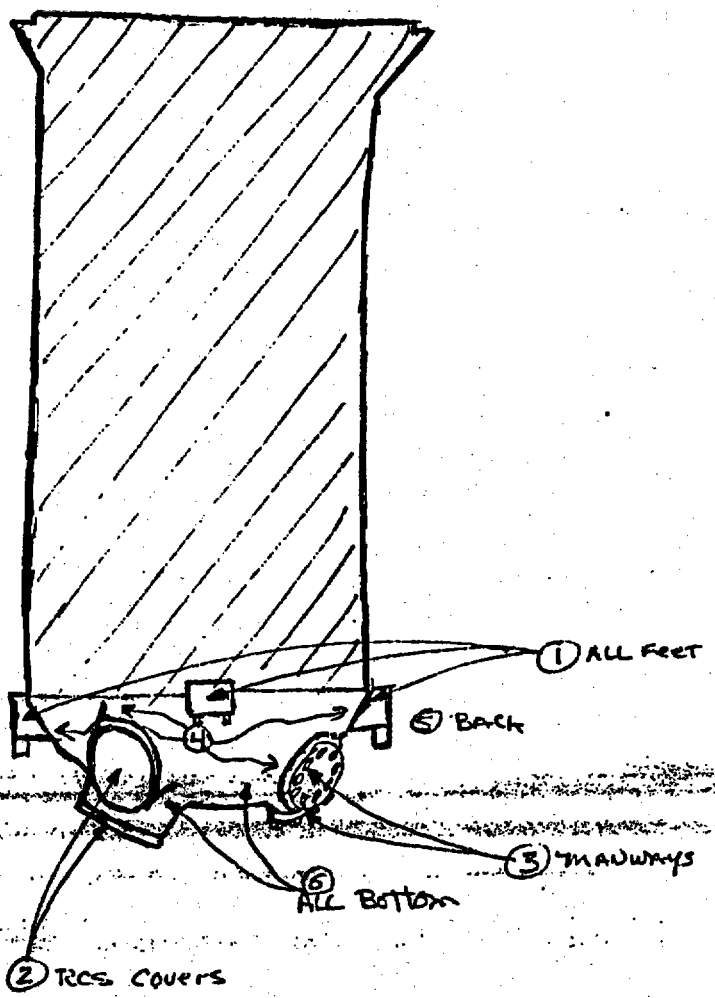
UNLESS NOTED * DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM / 100 CM²

METER TYPE / NO.
RM-14
RM-20 # 8688
1274

SURVEYED BY K. Bristol | TIME 2015 | DATE 2/8/00

REVIEWED BY John Blanger | DATE 2-9-00

[redacted]



CONTAMINATION / REMARKS

1	<100 cpm MASS / INW	FEET
2		RCS covers
3		MANWAYS
4		FRONT sides
5		BACK sides
6		ALL Bottom
7		
8		
9		
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RADIOLOGICAL AREA STATUS SHEET

DESCRIPTION S/G PLATFORM NO. 4 UNIT NO. 1 **MAP NO.** 139

AREA CLASSIFICATION
- ☐ RADIATION
- ■ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ■ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS
Log # 0056 1375

METER TYPE/NO.
RSO 747
RM14 8809

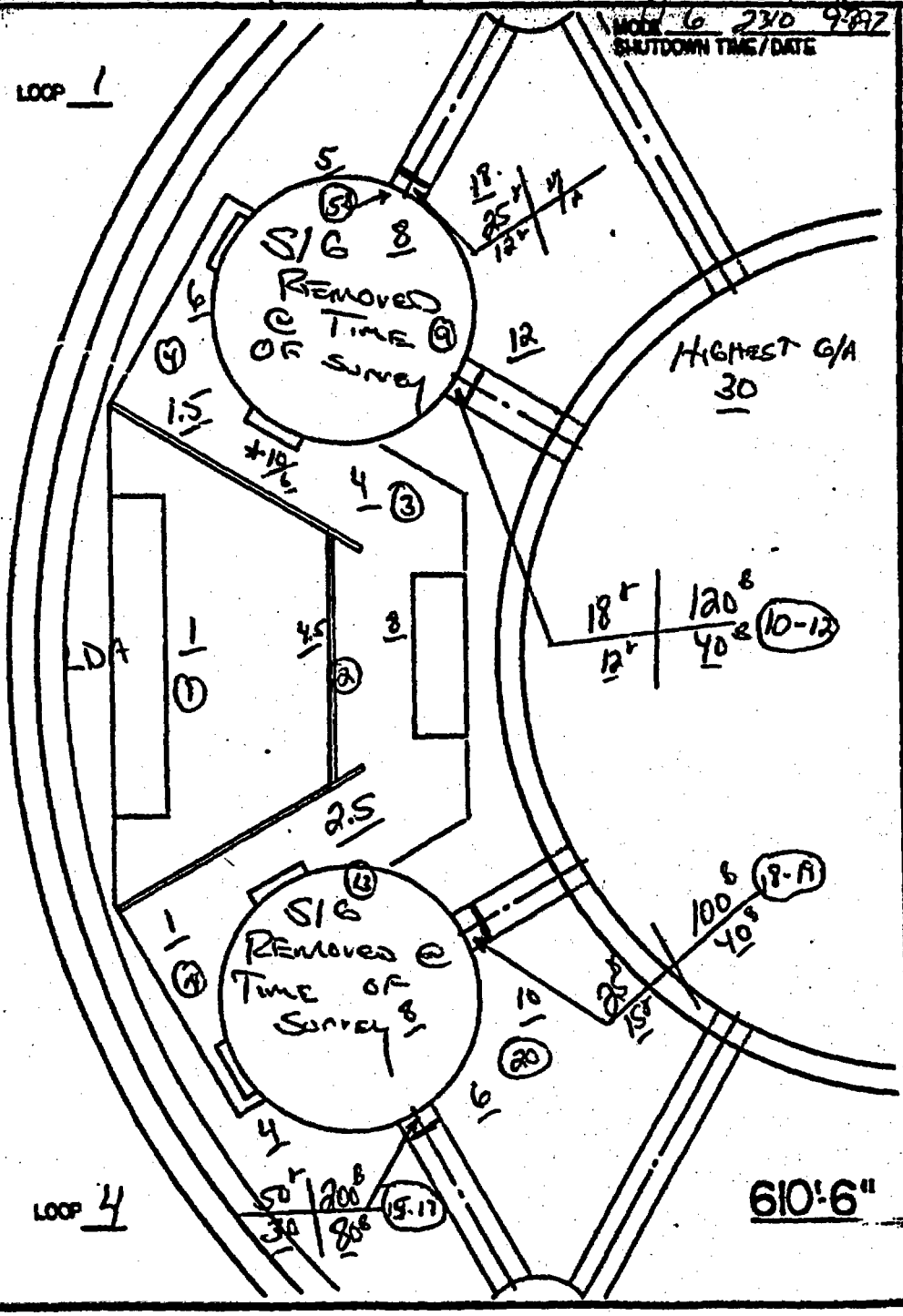
UNLESS NOTED ✱ DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100 CM²

REASON FOR SURVEY
Daily Update

RWP USED: 001110-01

SURVEYED BY [illegible] TIME 0810 DATE 2-9-00
REVIEWED BY [illegible] DATE 2-9-00

MODE 6 2310 9-87
SHUTDOWN TIME/DATE



CONTAMINATION / REMARK

1	1K	Floor
2	3K	Floor
3	1K	P.P.
4	1K	Floor
5	<1K	Cold Leg
6	8K	↓
7	6K	↓
8	6K	Cold Leg
9	3K	Floor
10	6K	Hot Leg
11	2K	Hot Leg
12	11K	Hot Leg
13	<1K	Floor
14	<1K	P.P.
15	50K	Cold Leg
16	60K	↓
17	30K	Cold Leg
18	35K	Hot Leg
19	20K	Hot Leg
20	<1K	Floor
21		
22		
23		
24		K
25		
26		
27		
28		
29		
30		

RADIOLOGICAL AREA STATUS SHEET

AREA DESCRIPTION S/G PLATFORM NO.__ UNIT NO.__ **MAP NO.** 139

AREA CLASSIFICATION
- RADIATION
- HIGH RADIATION
- EXTREME HIGH RADIATION
- CONTAMINATION
- AIRBORNE RADIOACTIVITY

REASON FOR SURVEY
LOGSHEET # 00SG N13

RWP USED: 00-1110-01

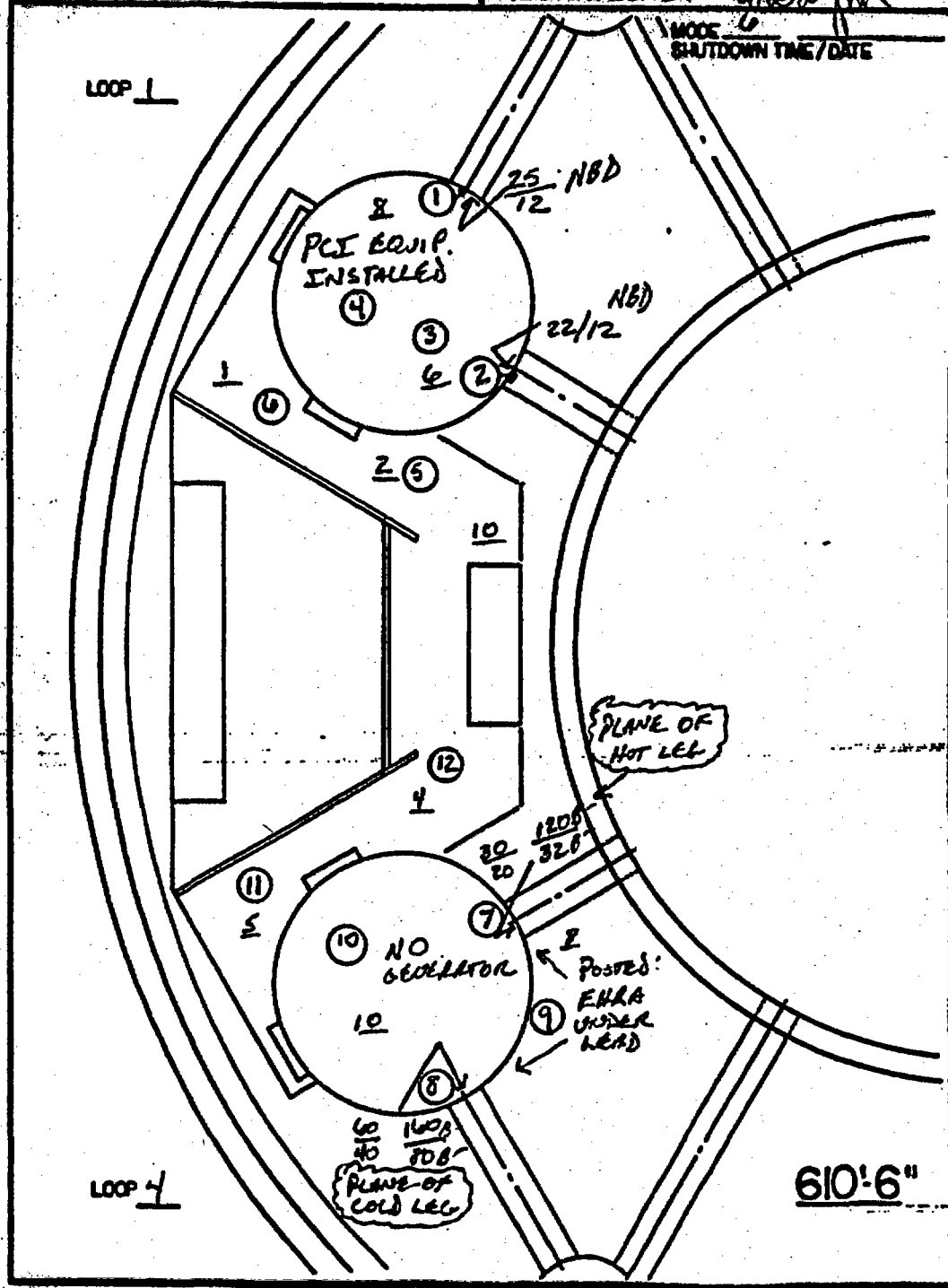
REMARKS
DAILY ROUTINE ON S/G #1 + 4 PLATFORMS

UNLESS NOTED: ✱ DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100 CM

METER TYPE/NO.
R50 352
RM-14 8809

SURVEYED BY [signature] TIME 0850 DATE 2-10-00
REVIEWED BY [signature] DATE 2-10-00

MODE 6
SHUTDOWN TIME/DATE



	CONTAMINATION	REMARK
1	30K	R/S COLD LEG S/G
2	40K	R/S HOT LEG S/G
3	3K	CATCH PL
4	2K	CATCH PL
5	2K	FLOOR
6	1K	FLOOR
7	40K	R/S HOT L S/G #4
8	28K	R/S COLD LEG S/G #4
9	1K	FLOOR
10	3K	
11	2K	
12	2K	
13		0
14		9
15		6
16		1
17		1
18		0
19		5
20		3
21	N	
22		A
23		
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RADIOLOGICAL AREA STATUS SHEET

AREA DESCRIPTION #1 S/G PLATFORM

MAP NO. 00SG1427

AREA CLASSIFICATION
- [ ] RADIATION
- [ ] HIGH RADIATION
- [ ] EXTREME HIGH RADIATION
- [ ] CONTAMINATION
- [ ] AIRBORNE RADIOACTIVITY

REMARKS
⇒ CONTACT
⇒ 30cm
LOGSHEET # 00SG1427

METER TYPE/NO
RSO 747
RM-14 8809

UNLESS NOTED: * DENOTES CONTACT/30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100

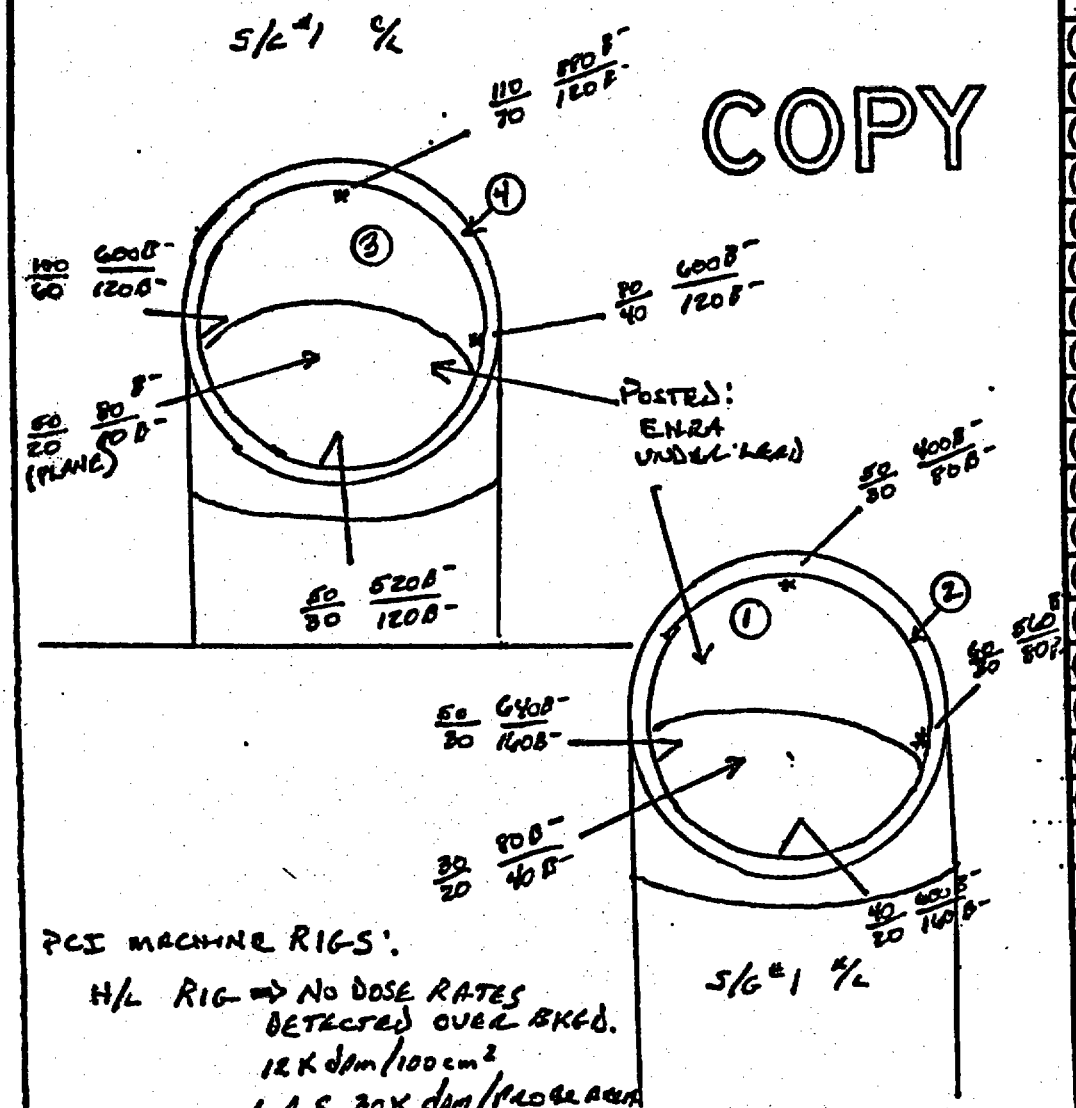
REASON FOR SURVEY
PCI MACHINING EQUIP. DE-MOB.

RWP USED: 1185-01

SURVEYED BY [signature] TIME 1400 DATE 2-10-00

REVIEWED BY [signature] DATE 2-10-00

COPY



PCI MACHINE RIGS:

H/L RIG ⇒ NO DOSE RATES DETECTED OVER BKGD.
12K dpm/100cm²
L.A.S 30K dpm/PROBE AREA
No Hot Particles

C/L. RIG ⇒ NO DOSE RATES DETECTED OVER BKGD.
(BKGD. IS 10-12 mr/h)
20K dpm/100cm²
L.A.S 24K dpm/PROBE AREA
No Hot Particles

CONTAMINATION/REMARKS

1	22K	I/S H/L WALL
2	8K	H/L SURF
3	32K	E/S C/L WALL
4	14K	C/L SURF
5		
6		
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RADIOLOGICAL AREA STATUS SHEET

AREA DESCRIPTION U-1 CTMT. S/G #1 & # H/L & C/L

MAP NO. 95

AREA CLASSIFICATION
- [ ] RADIATION
- [x] HIGH RADIATION
- [x] EXTREME HIGH RADIATION
- [x] CONTAMINATION
- [ ] AIRBORNE RADIOACTIVITY

REMARKS DOSERATES ON C/L ARE POST LEAD SHIELDING. H/L & C/L POSTED EXTREME HIGH RADIATION AREA UNDER LEAD.

UNLESS NOTED, # DENOTES CONTACT / 30 CM. DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM / 100 CM²

METER TYPE/N RSO 747 RH-14 8809

REASON FOR SURVEY FLAP ON H/L & C/L INSIDE GLOVE BAG

RWP USED: 04-7155-02

SURVEYED BY R. Bryan H. Dacch **TIME** 0100 **DATE** 2/11/

REVIEWED BY Julie Belinger **DATE** 2-11-0

LOGSHEET # 003C1447

CONTAMINATION / REMAR

1	20K	1 F/S H/
2	10K	1 F/S H/
3	15K	1 F/S H/
4	20K	1 F/S H/
5	10K	1 F/S C/
6	20K	1 F/S C/
7	10K	1 F/S C/
8	20K	1 F/S C/
9		/
10		/
11		/
12		/
13		/ 0
14		/ 0
15		/ 6
16		/ 3
17		/ 7
18		/ 6
19		N /
20		/ 6A
21		/
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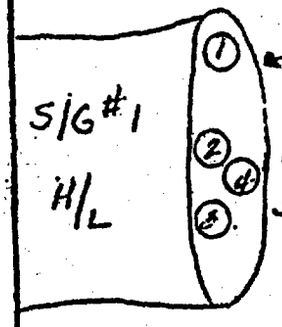
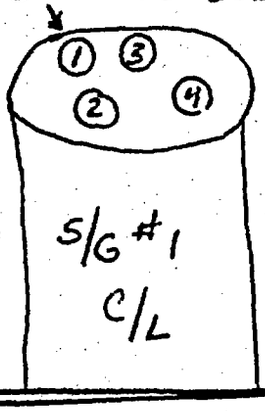


*Pb 60 NDB
PLANE 20 160B
30 CM 12 20B

COPY

*Pb 100 80B
PLANE 50 200B
30 CM. 25 60B



PLAT
1.5-25
<1K-4K

*60-100 Pb
20-50 P
12-25 @ 30
10-30K

RADIOLOGICAL AREA STATUS SHEET 30

AREA DESCRIPTION S/G PLATFORM NO. 2 UNIT NO. 3 | **MAP NO.** 139

AREA CLASSIFICATION
- ☐ RADIATION
- ☐ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☐ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS
Highest G/A Dose Rate: 10 mR/HR

METER TYPE/NO.
RSO 50 - 354
Rm 14 - 8809

REASON FOR SURVEY
Daily Routine

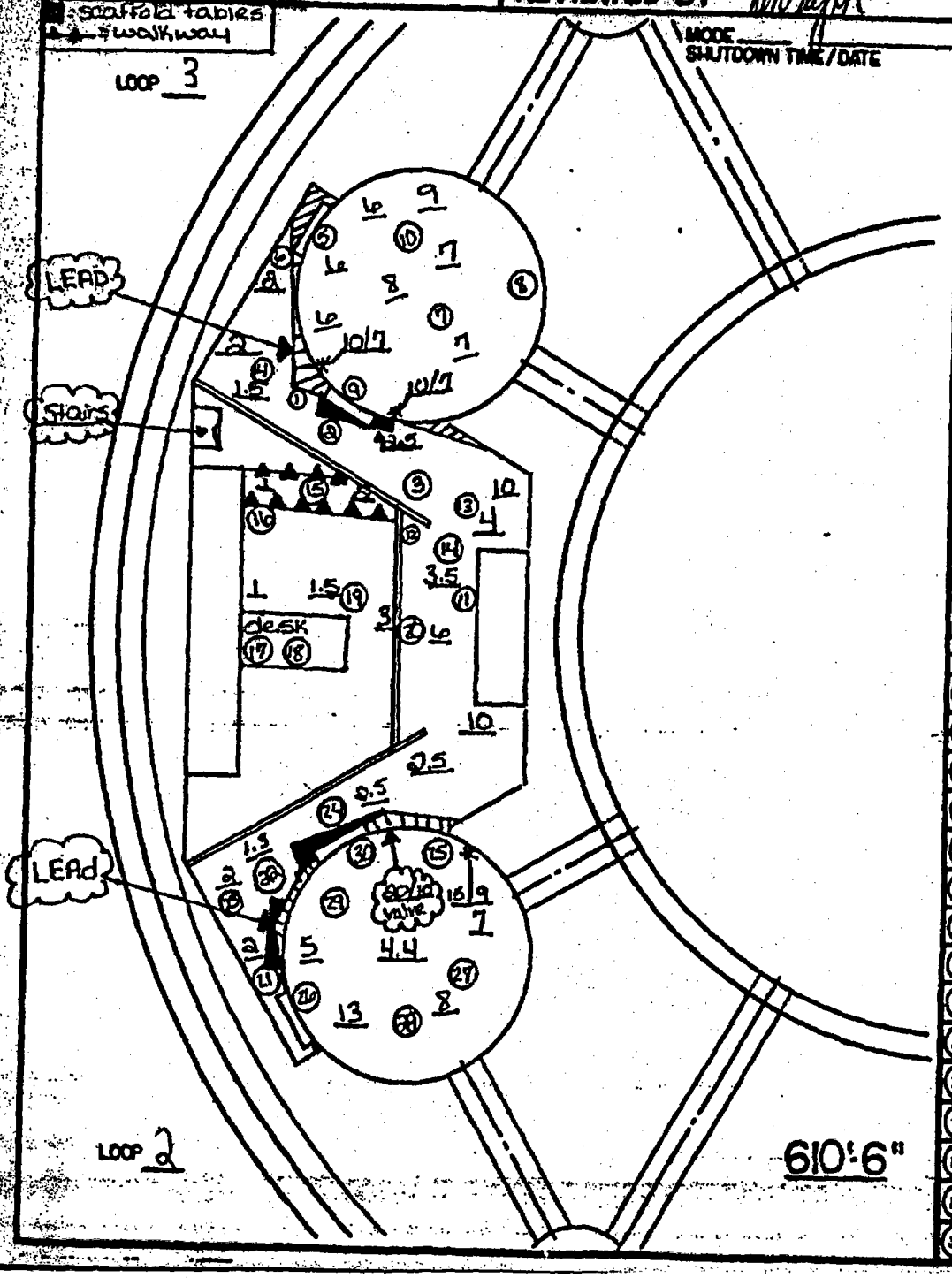
UNLESS NOTED: ✱ DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL. ✱ CONTAMINATION IN DPM/100 CM²

RWP USED: [illegible] 02

SURVEYED BY L. Ball | TIME 2300 | DATE 2-11-00

REVIEWED BY [illegible] | DATE 2-11-00

MODE ____
SHUTDOWN TIME/DATE



CONTAMINATION / REMARKS

1	1K	/ Lead
2	↓	/ table
3	2K	/ floor
4	↓	/ ↓
5	1K	/ man way
6	↓	/ cam
7	2K	/ pipe
8	1K	/ S/G
9	↓	/ man way
10	↓	/ S/G
11	↓	/ Equipment
12	↓	/ Tool Box
13	2K	/ ↓
14	↓	/ deck
15	↓	/ scaffold
16	<1	/ cam
17	2K	/ phone
18	<1	/ table
19	↓	/ floor
20	↓	/ floor
21	↓	/ cam
22	↓	/ deck
23	2K	/ scaffold
24	1K	/ table
25	↓	/ Lead
26	2K	/ man way
27	1K	/ S/G
28	2K	/ Tool Box
29	↓	/ Floor
30	↓	/ man way

RADIOLOGICAL AREA STATUS SHEET

AREA DESCRIPTION U-1 CTMT. S/G #1 H/L & C/L 610'

MAP NO.

AREA CLASSIFICATION
- ☐ RADIATION
- ☐ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☐ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS
LOGSHEET H - 00SG1517
EHR - EXTREME HIGH RADIATION AREA UNDER LEAD

METER TYPE / NO
RSO/338

REASON FOR SURVEY
REMOVE FME COVERS AND INSTALL PURGE DAMS

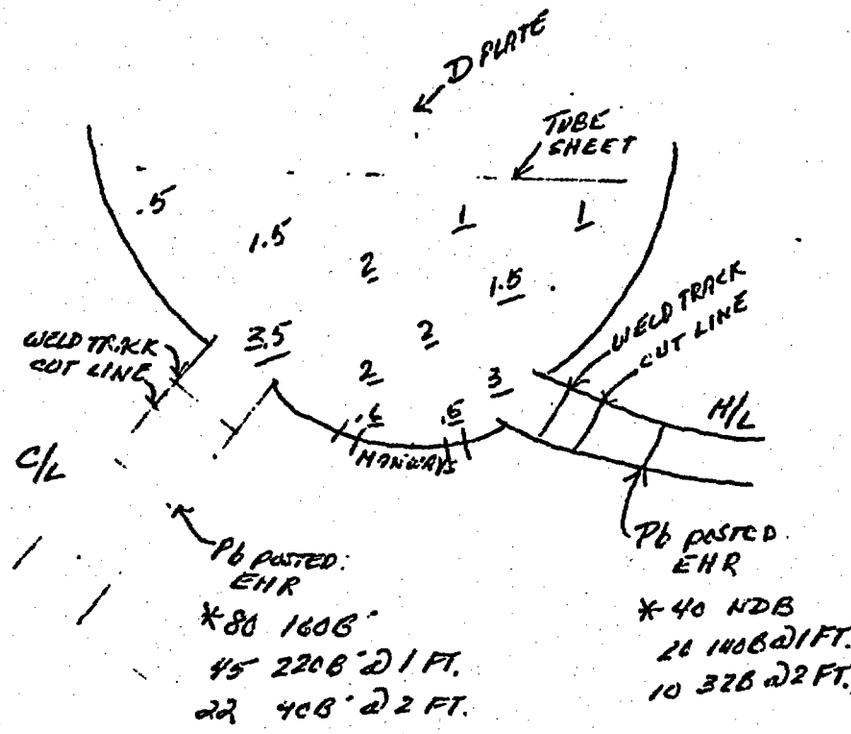
RWP USED: 00-1135-01

UNLESS NOTED * DENOTES CONTACT / 30 CM
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM / 100 CM²

SURVEYED BY C. Hayes TIME 0400 DATE 2/13/00

REVIEWED BY [illegible] DATE 2/13/00

S/G #1



CONTAMINATION / REMARKS	
1	/
2	/
3	/
4	/
5	/
6	/
7	/
8	/
9	/
10	/
11	/
12	/
13	/
14	/
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RADIOLOGICAL AREA STATUS SHEET 94

AREA DESCRIPTION S/G PLATFORM NO. 1/4 UNIT NO. 1 | **MAP NO.** 136

AREA CLASSIFICATION
- ☐ RADIATION
- ■ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ■ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS
LOG SHEET No# 00561525

METER TYPE/NO
RSO 747
RMIN 8809
TN1

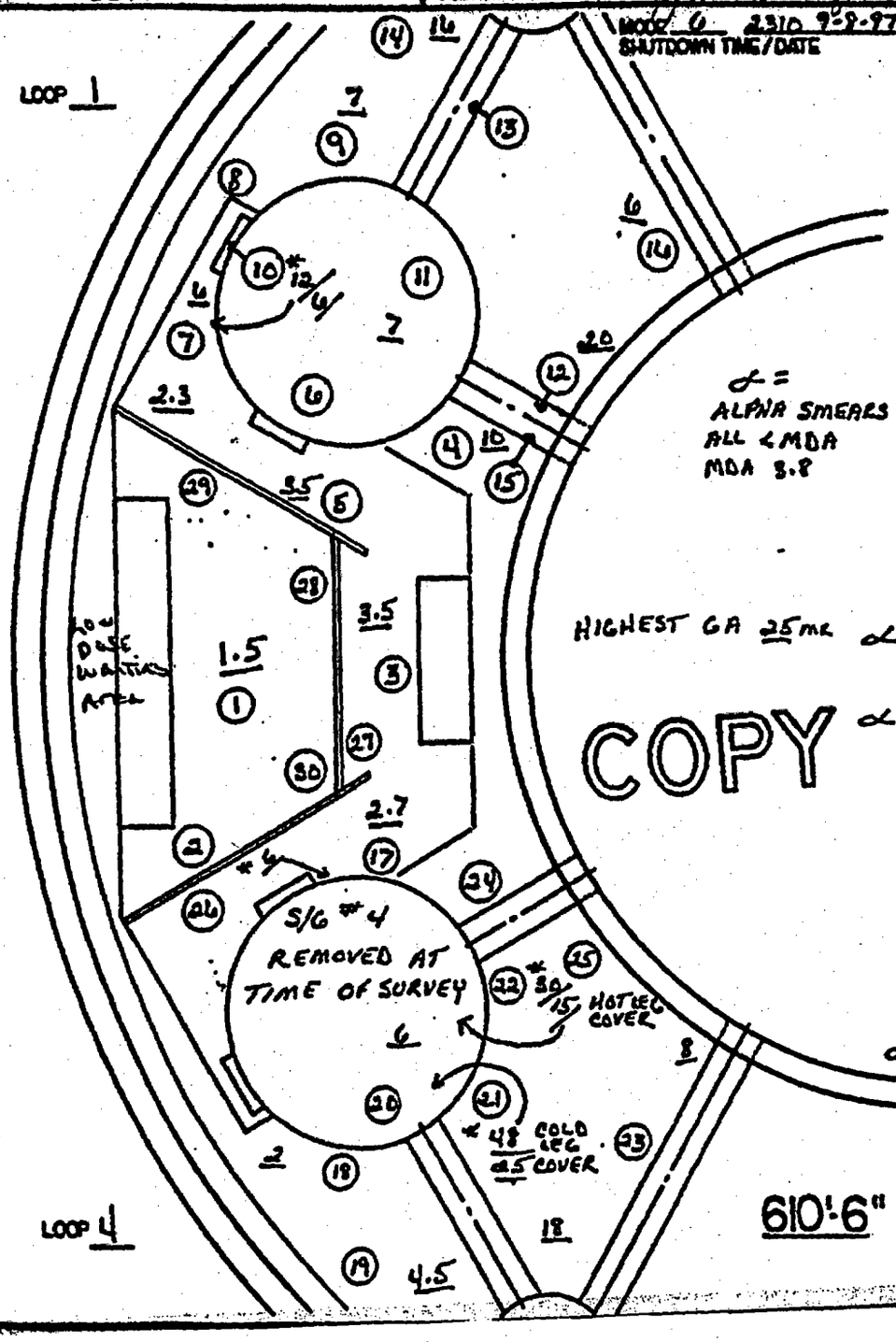
UNLESS NOTED: ✱ DENOTES CONTACT / 30 CM.
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100 CM²

REASON FOR SURVEY
WKLY UPDATE

RWP USED: 001110-01

SURVEYED BY [signature] TIME 0635 DATE 2-13-
REVIEWED BY John Belanger DATE 2-13-

MODE 6 2310 9-8-97
SHUTDOWN TIME/DATE



CONTAMINATION / REMARKS

1	<1K	FLOOR
2	↑	WORK AR
3		FLOOR
4	↕	S/G BRAC
5		FLOOR
6	↓	GENERATO
7		HERCULIT
8		PLATFORM
9		WALKWAY
10		S/G BRAC
11	<1K	FLOOR
12	1K	WELD LOCAT. HOT LEG
13	1K	WELD LOCATIO COLD LEG
14	4K	STRUCTURA STEEL
15	<1K	HOT LEG
16	4K	LIGHT
17	<1K	FLOOR
18	↑	S/G BRACE
19	↕	CABLE TRA
20	↓	FLOOR
21	<1K	COLD LEG COV
22	1K	HOT LEG COVER
23	<1K	CABLE TRA
24	10K	HOT LEG CER
25	<1K	FLOOR
26	1K	HAND RAIL
27	<1K	HAND RAIL
28	<1K	TOOL BOX
29	<1K	HAND RAIL

RADIOLOGICAL AREA STATUS SHEET 23

AREA DESCRIPTION U-1 S/G #1 H/L 610

MAP NO. —

AREA CLASSIFICATION
- ☐ RADIATION
- ☒ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☒ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS

LOG [redacted]

UNLESS NOTED: * DENOTES CONTACT/30CM
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100 CM²

METER TYPE/NO.
RSO-359
RM-14-8809

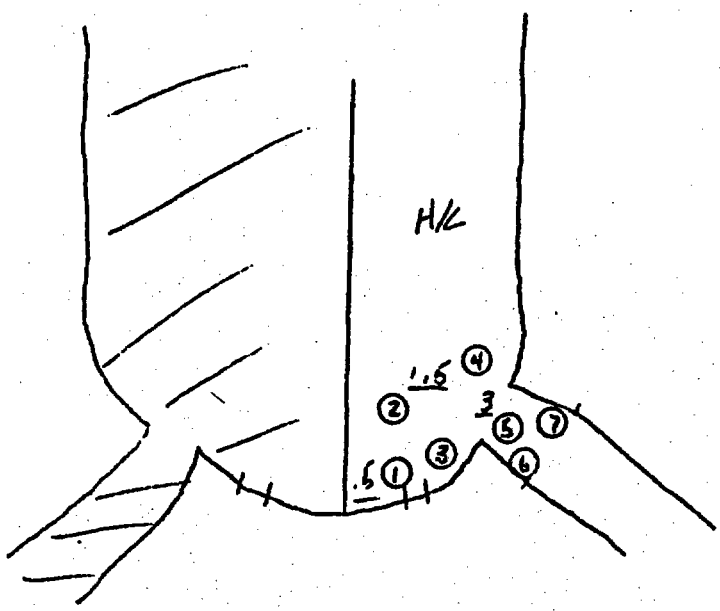
REASON FOR SURVEY
Post Grind 1/3 PASS

RWP USED: [redacted]

SURVEYED BY M. DIAGGOTT TIME 0415 DATE 2-16-00

REVIEWED BY [illegible] DATE 2/16/00

S/G #1



	CONTAMINATION	REMARKS
1	<1K	/ I/S H/L
2	1K	/ I/S H/L
3	1K	/ I/S H/L
4	1K	/ I/S H/L
5	1K	/ Pipe
6	3K	/ Pipe
7	2K	/ Pipe
8		/
9		/
10		/
11		/
12		/
13		/
14		/
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16		/
17		/
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20	N	X A
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30		/

00163467

RADIOLOGICAL AREA STATUS SHEET 22

AREA DESCRIPTION U-1 CTMT 1/S #2 S/G H/L

MAP NO. —

AREA CLASSIFICATION
- ☐ RADIATION
- ☒ HIGH RADIATION
- ☐ EXTREME HIGH RADIATION
- ☒ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS LOG #[redacted]
NO HOT PART. FOUND

METER TYPE/NO. RM-14-8809

UNLESS NOTED: * DENOTES CONTACT/30CM
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100 CM²

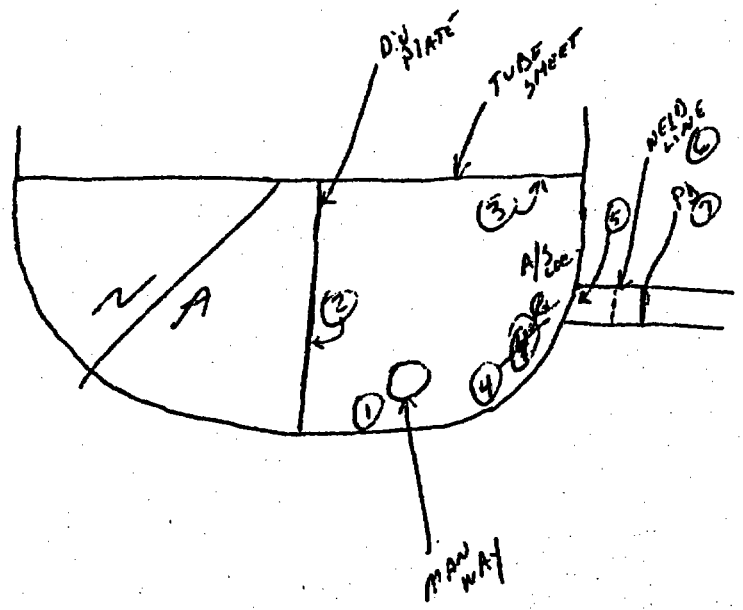
REASON FOR SURVEY JOB COVERAGE DURING GRINDING

RWP USED [redacted]

SURVEYED BY L. Morris | TIME 0345 | DATE 2-16-00

REVIEWED BY [signature] | DATE 2/16/00

#2 S/G H/L



CONTAMINATION/ REMARKS		
1	6K	/ CHANNEL HEAD
2	15K	/ DIV PLATE
3	12K	/ TUBE SHEET
4	25K	/ CHANNEL HEAD
5	35K	/ 1/S PIPE
6	60K	/ WELD AREA
7	15K	/ PA
8		/
9		/
10		/
11		/
12		/
13		/
14		/
15		/
16		/
17		/
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30		/

LOG #[redacted]

RADIOLOGICAL AREA STATUS SHEET 18

AREA DESCRIPTION U-1 CTMT. S/G #1 C/L & H/L 610'

MAP NO. —

AREA CLASSIFICATION
- ☐ RADIATION
- ■ HIGH RADIATION
- ■ EXTREME HIGH RADIATION →
- ■ CONTAMINATION
- ☐ AIRBORNE RADIOACTIVITY

REMARKS
LOGSHEET #[redacted]
BACKUP AIR SAMPLES <.3 DAC
UNDERNEATH LEAD

METER TYPE / NO.
R60 / 359
RM-14 / 7409

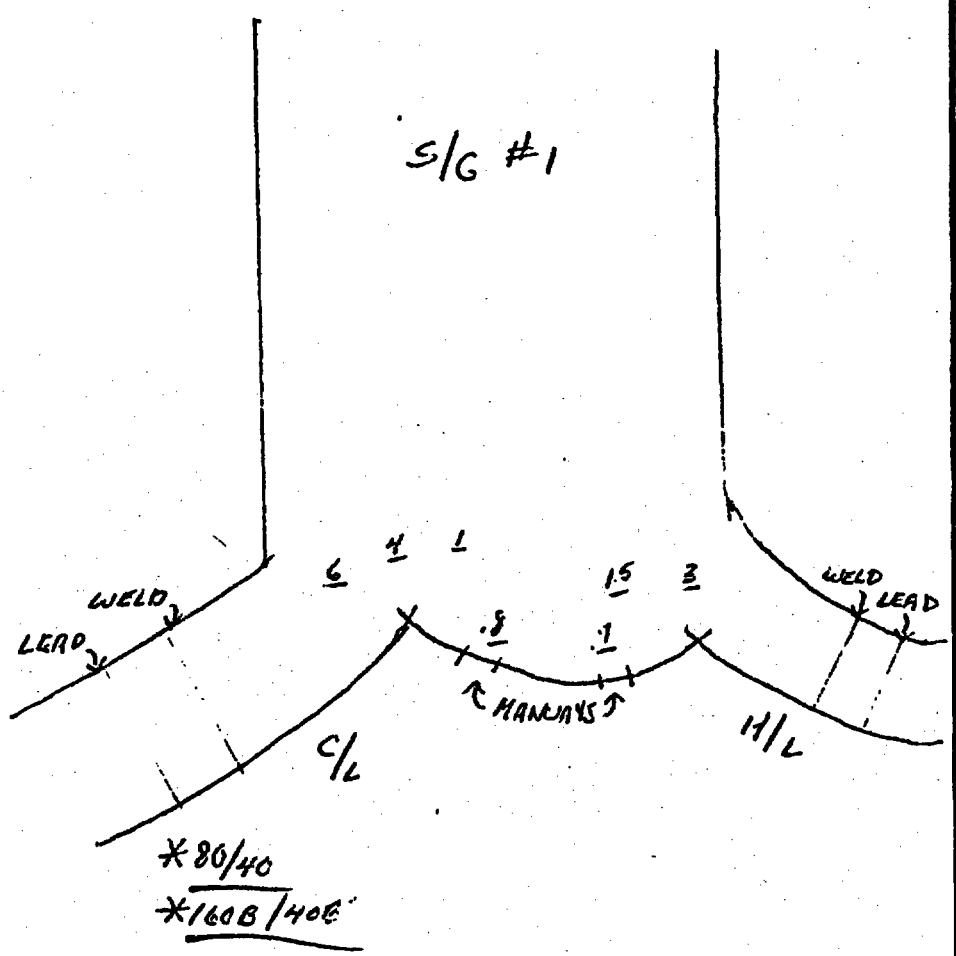
UNLESS NOTED: * DENOTES CONTACT / 30CM
DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100 CM²

REASON FOR SURVEY
POST FLUSH GRIND ON S/G #1 C/L & H/L

RWP USED: [redacted]

SURVEYED BY C. GLYMPH / D. DEGACH — TIME 0145 — DATE 2/23/00

REVIEWED BY John B. Lenger — DATE 2/23/00



CONTAMINATION / REMARKS

1	10K	LEAD C/L
2	2C 2-23-00 ~~6K~~ 6K	WELD
3	5K	ABOVE WELD
4	6K	PLANE
5	6K	WALLS
6	8K	FLOOR
7	6K	FLOOR
8	5K	LEAD H/L
9	2K	WELD
10	1K	ABOVE WELD
11	1K	PLANE
12	1K	FLOOR
13	1K	FLOOR
14	<1K	WALLS
15		
16		
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RADIOLOGICAL AREA STATUS SHEET

AREA DESCRIPTION UNIT #1 CONTAINMENT S/G #1 & #4 PLATFORM

MAP NO.

AREA CLASSIFICATION
- [ ] RADIATION
- [x] HIGH RADIATION
- [ ] EXTREME HIGH RADIATION
- [x] CONTAMINATION
- [ ] AIRBORNE RADIOACTIVITY

REMARKS [redacted]

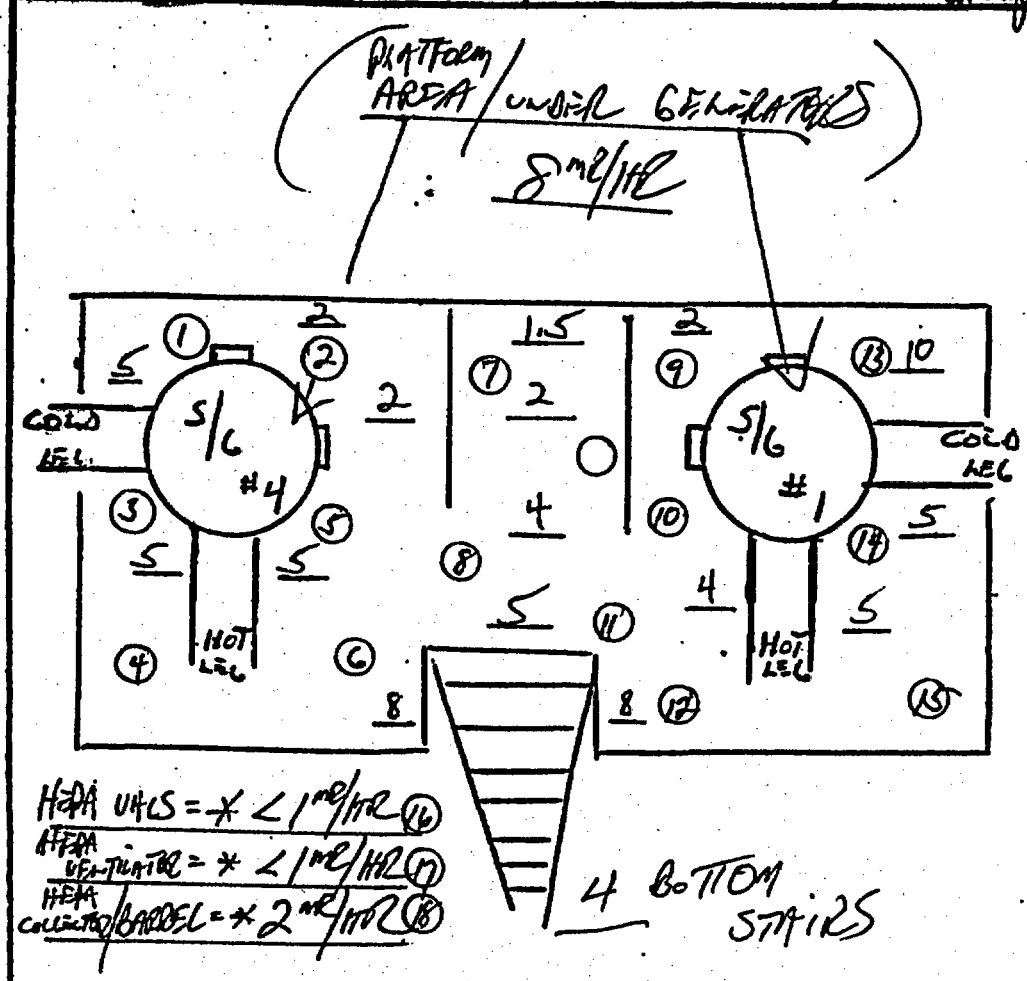
METER TYPE/NO. RS050E#839 RM14#7409

REASON FOR SURVEY ROUTINE SURVEY

RWP USED [redacted]

UNLESS NOTED * DENOTES CONTACT/30 CM. DOSE RATES IN MR/HR AT WAIST LEVEL & CONTAMINATION IN DPM/100CM

SURVEYED BY BABY	TIME 0700	DATE 2/25/06
REVIEWED BY		DATE 2/25/06



	CONTAMINATION	REMARKS
1	<1000	PLATFORM
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15	<1000	PLATFORM
16		VACUUM
17		VENTILATOR
18	<1000	BARRELS
19		
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Attachment 2

Coating Material Manufacturer's Data Sheets

PRODUCT DATA

A-B-C®

Asbestos Binding Compound

DESCRIPTION

Product No.: 6421 off-white, 6422 clear (when dry)

A-B-C, a high solids encapsulant, is an important tool for coping with the health hazards associated with exposure to asbestos fibers. The U.S. Environmental Protection Agency (EPA) sponsored an exhaustive evaluation of encapsulants for asbestos-containing materials encountered in buildings. Under Government Contract #68-03-2552-T2005, Battelle Columbus Laboratories of Columbus, Ohio, in 1978 defined the requirements for effective asbestos encapulsants. A-B-C was found to meet/exceed those requirements. In addition, A-B-C received German approval following a thorough evaluation conducted at the University of Brunschweig. The high solids, nonflammable composition of A-B-C, allows for dilution with water to provide maximum flexibility for specific asbestos abatement needs. Dilute A-B-C with water (as much as 4 parts water 1 part A-B-C) for cost effective post removal "lockdown" treatment compatible with most leading brands of replacement fireproofing. Since its introduction in 1978, A-B-C has proven to provide exceptional long lasting performance.

PROPERTIES

- Solids by weight: 60 +/-2%
- Volatile: Water
- Average particle size: 0.2 microns
- Viscosity @ 77° F: 60-65 Krebs Units
- Weight per gallon @ 77° F: 9.1 +/- 0.2 lbs./gal.
- Film Hardness: Excellent
- Film Flexibility: Excellent
- Impact Resistance: Excellent
- Water resistance of dry film: Excellent
- Bridging effectiveness: Excellent
- Bond strength to concrete/steel: Excellent
- Coverage: 75-100 sq. ft./gal. (depending on the porosity of substrate)
- Flash point: Tag Closed Cup, Non-combustible (water based)
- Dry Time: 1-2 hours
- Shelf Life: @ 77° F, 36 months minimum, (in original factory sealed containers)
- Odor: Applied indoors, virtually odorless
- Finish: Moderate gloss
- Fire rating ASTM E-84-81a: Class "A" (Southwest Research Institute)

Flame Spread:	10
Fuel Contribution:	10
Smoke Density:	5

- Packaged: 5 and 55 gallon containers

APPLICATION INFORMATION

ENCAPSULATION - BRIDGING AGENT: For well adhered asbestos such as cementitious acoustical plasters or granular, non-fibrous spray-ons less than 3/4 of an inch thick, add 10%-30% water for the first coat. Coverage should be between 75 - 100 sq. ft./gal. The second coat should be applied at full strength; coverage should be approximately 75 - 100 sq. ft./gal. This will provide the EPA recommended dry film thickness of 20 mils.

ENCAPSULATION - PENETRANT: For fibrous asbestos such as "cotton candy" style fireproofing or tamped-type sound material less than 2 inches thick, add 2 parts water to 1 part A-B-C. This dilution should be used for two coats. Coverage, depending on thickness and porosity of the material, can vary between 20 - 50 sq. ft./gal. Apply the second coat before the first coat dries to the touch. This will provide increased pentration and capillary action. Refer to A-B-C specification for more specific and detailed application information.

(Over)

FIBERLOCK

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Andover, MA 01810 U.S.A.
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Tel.: (978) 623-9987 Fax: (978) 475-6205
www.fiberlock.com

APPLICATION PROCEDURES FOR
A-B-C Asbestos Binding Compound

PREPARATION

Prior to application, stir thoroughly to achieve a uniform consistency. A-B-C may be diluted with water for different applications.

APPLICATION EQUIPMENT

Professional models of all brands of spray equipment can be used to successfully apply A-B-C. Use the settings below when applying A-B-C.

Bridging:
Pressure: 2200-2300 psi
Hose length: 100 feet
Hose diameter: 1/4 inch
Tip size: .017 - .019 (orifice size)
Fan size: 12 inches

Penetrating:
Pressure: 1300-1400 psi
Hose length: 100 feet
Hose diameter: 1/4 inch
Tip size: .017 - .031 (orifice size)
Fan size: 12 inches

CLEAN UP

Tools and drippings should be cleaned with soap and water before coating dries.

SHIPPING AND STORAGE INFORMATION

Shelf Life: 3 years in sealed containers
Storage Temperature: Keep from freezing. Store at 40°F - 100°F in a cool dry place.
Flash Point: None

KEEP OUT OF REACH OF CHILDREN
FOR PROFESSIONAL USE ONLY
KEEP FROM FRREEZING

Cautions: Approved respirators must be used to prevent inhalation of asbestos fibers that may be present in the air. Protective clothing should be worn. Tools and drippings should be cleaned immediately with clean, soapy water before the coating dries. Careful consideration should be given to all Environmental Protection Agency (EPA), OSHA and state regulations in effect at the time of application of A-B-C. The EPA, through the Office of Pesticides and Toxic Substances has issued reports headed "Guidance for Controlling Friable Asbestos-Containing Materials in Buildings," EPA 560/5 85-024, June 1985, and "Managing Asbestos in Place, A Building Owner's Guide to Operations and Maintenance Programs for Asbestos Containing Materials," 20T-2003, July 1990, containing the proper data, cautions, and procedures for asbestos control. Copies are available from the Environmental Assistance Division, TS-799, TSCA Assistance Information Service, U.S. EPA, 401 M Street SW, Washington, DC 20460, (202) 554-1404.

Keep from freezing. Do not store at temperatures above 100°F.

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of this product are beyond our control. Neither Fiberlock Technologies, Inc., nor our agents shall be responsible for the use or results of use of this product or any procedures or apparatus mentioned. We recommend that the prospective user determine the suitability of A-B-C for each specific project and for the health and safety of personnel working in the area.

PRODUCT DATA

LAG-KOTE®

DESCRIPTION

Product No.: 6424 white

Lag-Kote is a 100% acrylic, high solids encasement/encapsulation coating specifically formulated for application over a variety of asbestos containing materials (ACM). Lag-Kote is an EPA accepted coating for the encasement/encapsulation of ACM. It was tested at Battelle Columbus Laboratories of Columbus, Ohio, under EPA Contract # 08-03-2552-T2005, and found to be acceptable as an encapsulant.

Designed to encase spray-on fireproofing, asbestos-containing plasters and paints, transite, and asbestos-containing thermal insulation, Lag-Kote's viscous formulation minimizes dripping, clean-up and product waste. Lag-Kote provides a smooth, washable, aesthetically-superior finish that will provide years of lasting protection. Lag-Kote has excellent resistance to alkalis and can be applied directly over galvanized metal, wood, masonry or other sound surfaces. UV inhibitors make Lag-Kote suitable for encasement of exterior asbestos containing materials. Lag-Kote yields an opaque, bright white finish, or can be factory tinted to meet specific color requirements. Lag-Kote is water-based and non-toxic.

PROPERTIES

- Solids by Weight: 48 +/-2%
- Volatile: Water
- Average particle size: 0.2 microns
- Viscosity @ 77°F: 120-130 Krebs Units
- Weight per gallon @ 77°F: 11.7 lbs.
- Film Hardness: Excellent
- Film Flexibility: Excellent
- Impact Resistance: Excellent
- Water resistance of dry film: Excellent
- Bond Strength to concrete/steel: Excellent
- Coverage:
  - Brush: 125-175 sq.ft./gal. (5 dry mils)
  - Airless Spray: 600 sq.ft./gal. (1 dry mil)
- Fire Rating ASTM E84-81a: Class "A"
  - (Southwest Research Institute)
  - Flame Spread: 5
  - Fuel Contribution: 0
  - Smoke Density: 0
- Dry Time 1 - 2 hours
- Shelf Life: @ 77°F, 36 months minimum, (in original factory sealed containers)
- Odor: Applied indoors, virtually odorless
- Finish: Slight gloss
- Color: Bright White
- Packaged: 5 and 55 gallon containers

APPLICATION INFORMATION

FIREPROOFING, TRANSITE BOARD, ASBESTOS-CONTAINING PLASTER & PAINT: Lag-Kote is a superior encasement coating for the encapsulation of a variety of hard, cementitious substrates which contain asbestos. Lag-Kote may be applied by brush, roller or airless sprayer. The 100% acrylic formulation and small particle size ensures easy application in most grades of professional spray equipment without clogging or excessive wear on spray tips. The high viscosity of Lag-Kote also permits use as a palm-grade encasement product for application by painter's mitt. The bright white finish improves the appearance of virtually any substrate. Lag-Kote's excellent resistance to UV exposure makes it highly suitable for the encasement of exterior transite siding and asbestos-fortified paint systems.

INSULATION: Lag-Kote is the third and most vital component of the Lag-Kit® System for thermal insulation repair. Areas where the insulation or covering are dilapidated or torn must be repaired with Lag-Kap® and Lag-Kloth® prior to the application of Lag-Kote. Apply each component of the Lag-Kit System to insure complete asbestos encapsulation and to improve the integrity and insulation properties of the existing asbestos containing thermal insulation. The highly viscous formulation of Lag-Kote makes it easy to bridge seams in lagging materials in one brush application.

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www.fiberlock.com

(Over)

APPLICATION PROCEDURES FOR LAG-KOTE

PREPARATION

To prepare the surface for application of Lag-Kote, thoroughly remove all dust and dirt or other surface contamination. Surface contaminants may interfere with the adhesion of Lag-Kote. Use an approved HEPA (High Efficiency Particulate Air) vacuum, or wipe surfaces with a damp cloth to remove particulate matter. To avoid increased asbestos exposure, do not air-clean surface. Prior to application, stir thoroughly to achieve a uniform consistency. Lag-Kote may be diluted by adding up to 10% water. Apply in 1-2 coats to desired wet film thickness. Minimum film thickness may vary with desired results and type of application.

APPLICATION EQUIPMENT

Select a brush, roller or painter's mitt for convenient product application. Professional models of all brands of spray equipment can be used to successfully apply Lag-Kote. Use the settings below when applying Lag-Kote by airless spray:

Pressure: 3000 psi
Hose length: 50 feet
Hose diameter: 1/4 inch
Tip size: .017 - .023 (orifice size)
Fan size: 12 inches

CLEAN UP

Tools and drippings should be cleaned with soap and water before coating dries.

SHIPPING AND STORAGE INFORMATION

Shelf Life: 3 years in sealed containers
Storage Temperature: Keep from freezing. Store in a dry place at temperatures between 40°F - 100°F
Flash Point: None.

KEEP OUT OF REACH OF CHILDREN
FOR PROFESSIONAL USE ONLY
KEEP FROM FREEZING

Cautions: Approved respirators must be used to prevent inhalation of asbestos fibers that may be present in the air. Protective clothing should be worn. Tools and drippings should be cleaned immediately with clean, soapy water before the coating dries. Careful consideration should be given to all Environmental Protection Agency (EPA), OSHA and state regulations in effect at the time of application of Lag-Kote. The EPA, through the Office of Pesticides and Toxic Substances has issued reports headed "Guidance for Controlling Friable Asbestos-Containing Materials in Buildings," EPA 560/5 85-024, June 1985, and "Managing Asbestos in Place, A Building Owner's Guide to Operations and Maintenance Programs for Asbestos Containing Materials," 20T-2003, July 1990, containing the proper data, cautions, and procedures for asbestos control. Copies are available from the Environmental Assistance Division, TS-799, TSCA Assistance Information Service, U.S. EPA, 401 M Street SW, Washington, DC 20460, (202) 554-1404.

Keep from freezing. Do not store at temperatures above 100°F.

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PRODUCT DATA

FIBERSET® PM

DESCRIPTION

Product No.: 7470 white, 7475 clear, 7480 blue

Fiberset PM is a pre-mixed "lockdown" sealing treatment for microscopic residual fibers present after removal of asbestos containing material (ACM). Fiberset PM is a ready-to-use, class "A" fire rated coating that provides a flexible barrier over residual fibers to insure final air clearance. Fiberset PM and Fiberset FT are the only UL® classified (#R13770) lockdowns accepted for fluted, cellular and corrugated deck assemblies. Fiberset PM is compatible with most leading brands of replacement fireproofing and flooring adhesives. Fiberset PM can also be used to penetrate asbestos contaminated soil in crawl spaces. Fiberset PM is a water based nontoxic coating which employs advanced 100% acrylic resin technology to extend the life expectancy of airless spray equipment.

UL Classification: ASTM E-119

UL Category: Encapsulant Materials

PROPERTIES

- Volatile: Water
- Average particle size: 0.2 microns
- Viscosity @ 77°F: 55-60 Krebs Units
- Weight per gallon @ 77°F: 8.5 lbs.
- Film Hardness: Excellent
- Film Flexibility: Excellent
- Impact Resistance: Excellent
- Water resistance of dry film: Excellent
- Bond Strength to concrete/steel: Excellent
- Coverage: not less than 500 sq. ft./gal. (as specified by UL)
- Flash point: Tag Closed Cup, Non-combustible water based product.
- Dry Time 1 - 2 hours
- Shelf Life: @ 77°F, 36 months minimum, (in original factory sealed containers).
- Odor: virtually odorless.
- Finish: slight gloss
- Packaged: 5, and 55 gallon containers

APPLICATION INFORMATION

LOCKDOWN: Sealing microscopic residual fibers after asbestos removal is mandatory on every project. Prior to post-removal air monitoring, apply one coat to all exposed surfaces. Fiberset PM has been accepted as part of a UL Classified Fireproofing System for use with Retro-Guard® manufactured by W.R. Grace & Co., Conn.

PULLDOWN BY MISTING: Pulldown by misting the contaminated air is an effective technique prior to post removal air-monitoring. To pull down free-floating asbestos fibers effectively, stand in the center of the room and hold the spray gun as close to the ceiling as possible. A mist should be sprayed parallel to the ceiling in every direction or in a circle. Apply one coat to the polyethylene walls and floor.

(Over)

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www.fiberlock.com

APPLICATION PROCEDURES FOR FIBERSET PM

PREPARATION

Prior to application, stir thoroughly to achieve a uniform consistency. Fiberset PM is pre-mixed, water addition is not necessary.

APPLICATION EQUIPMENT

Professional models of all brands of spray equipment can be used to successfully apply Fiberset PM. Use the settings below when applying Fiberset PM:

Pressure: 2500-2700 psi
Hose length: 100 feet
Hose diameter: 1/4 inch
Tip size: .015 - .025 (orifice size)
Fan size: 12 inches

CLEAN UP

Tools and drippings should be cleaned with soap and water before coating dries.

SHIPPING AND STORAGE INFORMATION

Shelf Life: 3 years in sealed containers
Storage Temperature: Keep from freezing. Store in a dry place at temperatures between 40°F - 100°F
Flash Point: None.

Note: Fiberset PM is part of a UL Classified Fireproofing System for use with Classified types RG and RG1 cementitious mixtures manufactured by Zonolite Construction Products Division W.R. Grace & Co., Conn.

KEEP OUT OF REACH OF CHILDREN
FOR PROFESSIONAL USE ONLY
KEEP FROM FREEZING

Cautions: Approved respirators must be used to prevent inhalation of asbestos fibers that may be present in the air. Protective clothing should be worn. Tools and drippings should be cleaned immediately with clean, soapy water before the coating dries. Careful consideration should be given to all Environmental Protection Agency (EPA), OSHA and state regulations in effect at the time of application of Fiberset PM. The EPA, through the Office of Pesticides and Toxic Substances has issued reports headed "Guidance for Controlling Friable Asbestos-Containing Materials in Buildings," EPA 560/5 85-024, June 1985, and "Managing Asbestos in Place, A Building Owner's Guide to Operations and Maintenance Programs for Asbestos Containing Materials," 20T-2003, July 1990, containing the proper data, cautions, and procedures for asbestos control. Copies are available from the Environmental Assistance Division, TS-799, TSCA Assistance Information Service, U.S. EPA, 401 M Street SW, Washington, DC 20460, (202) 554-1404.

Keep from freezing. Do not store at temperatures above 100°F.

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3458