Georgia Institute of Technology
Research Reactor

Final Survey Package 1

Helium and Lead Tank Cooling Water Lines

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Section 1

Survey Package 1
Worksheet for the Helium & Cooling Water Lines

Duratek Inc.
Survey Package Worksheet for the Helium & Cooling Water Lines
Georgia Institute of Technology Research Reactor

Package Identification No.: **01**	Prepared by: Paul Jones/Don Schumaker
Location : 1st Floor Reactor Cavity	Date prepared: 02/07/2001 Date updated: 08/20/2001
Area Classification: Suspect Affected	

Area Description

Reactor Building Ground Floor Helium and Reactor Cooling Water Lines. These lines travel between the ground floor and the basement inner wall of the reactor building. These lines were originally connected to the same system however, currently all lines are independent of each other after removal of the reactor vessel.

Historical Information

These lines were contaminated with tritium and required decontamination with industrial strength drain cleaners.

General Survey Instructions

Helium and Cooling Water Lines (H-1 thru H-22):

1) Perform a 100% beta scan on inside of piping.
2) Obtain 3 direct beta measurements for each pipe.
3) Obtain 2 smears on inside of each pipe for gross alpha/beta analysis.
4) Obtain 2 smears on inside of each pipe for liquid scintillation analysis.

Use only the Package ID and L7 and L8 codes when labeling smears for counting.

Use all location codes provided below when taken fixed beta readings.

Special Instructions

Source check meters to Tc-99 for beta measurements.

Use pipe detector model numbers SN-050-8K, 43-94 and 43-98 for surveys inside of pipes.

Direct beta readings should be taken at areas with elevated activity, as found during beta scan of inside of pipe. If no elevated areas were identified during scan then readings should be taken at ~ 1' inside of both ends of the pipe and one reading in the center based on the entire length of the pipe (3 total).

Gross α/β and H-3 smears should be taken at ~ 1' inside of each end of pipe (2 total).

Survey performance (Initial and date as each survey is complete)

Location Code					Beta Scan	Direct Beta	1 meter Gamma	Smear Gross α/β	LS Smear
L1	L2	L6	L7	L8					
Georgia Tech Research Reactor Helium and Reactor Cooling Water Lines									
A0300	01P01	B9999	H-1	1, 2, or 3	DS 9-5-01	(3) DS 9-5-01	N/A	(2) JM 8/24/01	(2) JM 8/24/01
A0300	01P01	B9999	H-2	1, 2, or 3	DS 9-5-01	(3) DS 9-5-01	N/A	(2) 9-5-01 DS	(2) 9-5-01 DS
A0300	01P01	B9999	H-3	1, 2, or 3	DS 9-5-01	(3) DS 9-5-01	N/A	(2) 9-5-01 DS	(2) 9-5-01 DS
A0300	01P01	B9999	H-4	1, 2, or 3	DS 9-5-01	(3) DS 9-5-01	N/A	(2) 9-5-01 DS	(2) 9-5-01 DS
A0300	01P01	B9999	H-5	1, 2, or 3	DS 9-5-01	(3) DS 9-5-01	N/A	(2) 9-5-01 DS	(2) 9-5-01 DS
A0300	01P01	B9999	H-6	1, 2, or 3	DS 9-5-01	(3) DS 9-5-01	N/A	(2) 9-5-01 DS	(2) 9-5-01 DS
A0300	01P01	B9999	H-7	1, 2, or 3	DS 9-5-01	(3) DS 9-5-01	N/A	(2) 9-5-01 DS	(2) 9-5-01 DS
A0300	01P01	B9999	H-8	1, 2, or 3	DS 9-5-01	(3) DS 9-5-01	N/A	(2) 9-5-01 DS	(2) 9-5-01 DS

Survey performance (Initial and date as each surve[illegible]mplete)

Location Code					Beta Scan	Direct Beta	1 meter Gamma	Smear Gross α/β	LS Smear
L1	L2	L6	L7	L8					
Georgia Tech Research Reactor Helium and Reactor Cooling Water Lines									
A0300	01P01	B9999	H-9	1, 2, or 3	DS 9-5-01	(3) DS 9-5-01	N/A	(2) DS 9-5-01	(2) DS 9-5-01
A0300	01P01	B9999	H-10	1, 2, or 3	DS 9-5-01	(3) DS 9-5-01	N/A	(2) DS 9-5-01	(2) DS 9-5-01
A0300	01P01	B9999	H-11	1, 2, or 3	DS 9-5-01	(3) DS 9-5-01	N/A	(2) DS 9-5-01	(2) DS 9-5-01
A0300	01P01	B9999	H-12	1, 2, or 3	DS 9-5-01	(3) DS 9-5-01	N/A	(2) DS 9-5-01	(2) DS 9-5-01
A0300	01P01	B9999	H-13	1, 2, or 3	DS 9-5-01	(3) DS 9-5-01	N/A	(2) DS 9-5-01	(2) DS 9-5-01
A0300	01P01	B9999	H-14	1, 2, or 3	DS 9-5-01	(3) DS 9-5-01	N/A	(2) DS 9-5-01	(2) DS 9-5-01
A0300	01P01	B9999	H-15	1, 2, or 3	DS 9-5-01	(3) DS 9-5-01	N/A	(2) DS 9-5-01	(2) DS 9-5-01
A0300	01P01	B9999	H-16	1, 2, or 3	DS 9-5-01	(3) DS 9-5-01	N/A	(2) DS 9-5-01	(2) DS 9-5-01
A0300	01P01	B9999	H-17	1, 2, or 3	DS 9-5-01	(3) DS 9-5-01	N/A	(2) DS 9-5-01	(2) DS 9-5-01
A0300	01P01	B9999	H-18	1, 2, or 3	DS 9-5-01	(3) DS 9-5-01	N/A	(2) DS 9-5-01	(2) DS 9-5-01
A0300	01P01	B9999	H-19	1, 2, or 3	DS 9-5-01	(3) DS 9-5-01	N/A	(2) DS 9-5-01	(2) DS 9-5-01
A0300	01P01	B9999	H-20	1, 2, or 3	DS 9-5-01	(3) DS 9-5-01	N/A	(2) DS 9-5-01	(2) DS 9-5-01
A0300	01P01	B9999	H-21	1, 2, or 3	PQ 8/23/01	(3) PQ 8/23/01	N/A	(2) JM 8/24/01	(2) JM 8/24/01
A0300	01P01	B9999	H-22	1, 2, or 3	PQ 8/23/01	(3) PQ 8/23/01	N/A	(2) JM 8/24/01	(2) JM 8/24/01

Package Review	
Date Package Completed	5/28/02
Package Reviewed by and Date	Paul A. Jones 5/28/02

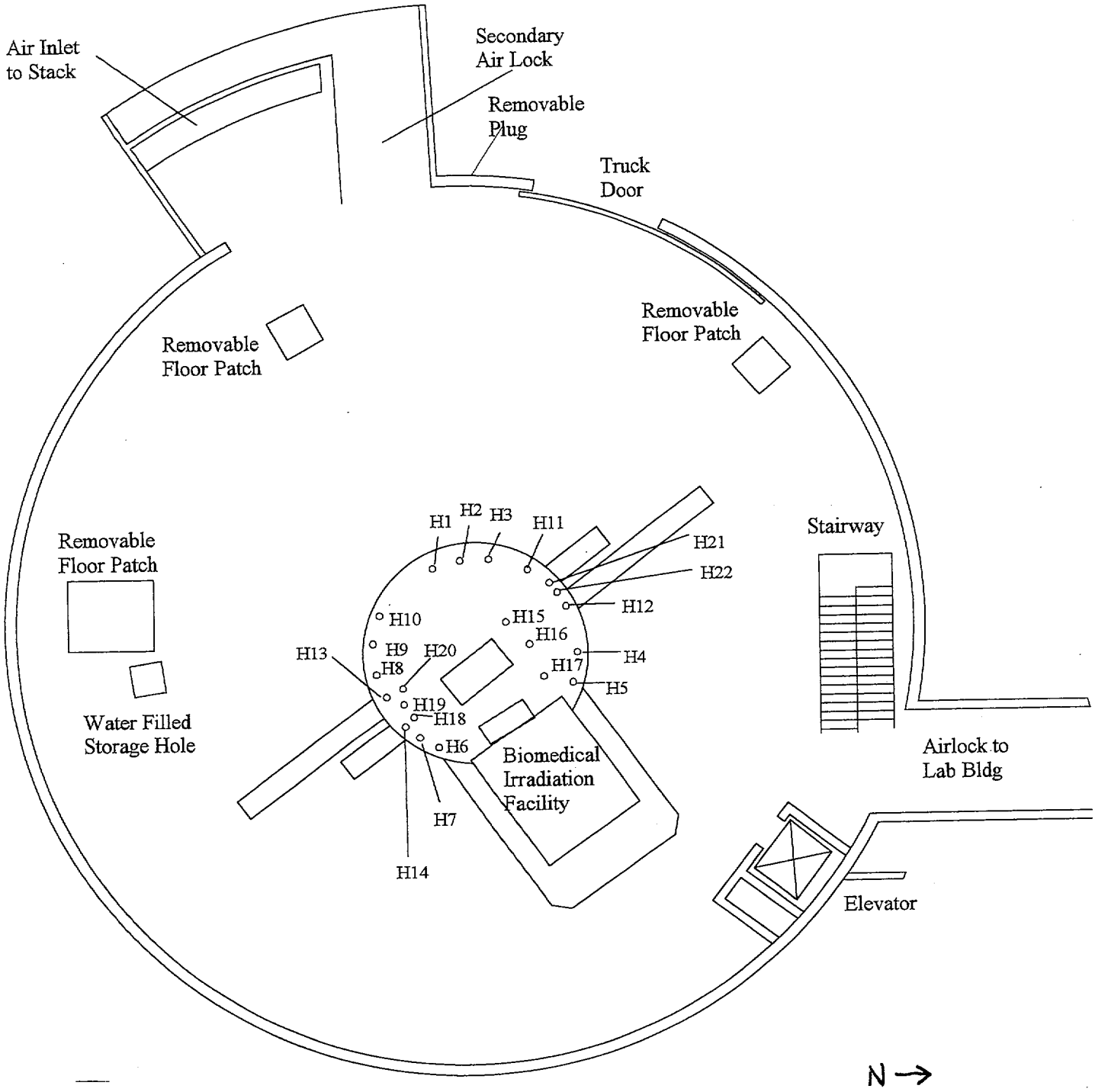
Survey Comments

Section 2

Package 1

Georgia Tech Research Reactor
Helium & Lead Tank Cooling Water Lines
Drawing

Georgia Tech Research Reactor Package 01
Helium & Lead Tank Cooling Water Lines



○ H # - Denotes L7 number and approximate location of helium and lead tank cooling water lines.

Section 3

Package 1
Direct Beta Survey Report
(including download reports)

Package A0301 ~~Fixed~~ Direct Beta Survey Report ...lium and Reactor Cooling Water Lines)

09 1/6/02

Desc.	File	Sample Number	Gross Counts	Count Time (sec)	Material Type	Detector Area (cm^2)	Surface	Count Type	Row	Location	Efficiency (dpm/cpm)	Background (cpm)	Activity ($dpm/100cm^2$)	Natural Background ($dpm/100cm^2$)	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)
	201	10	62	60	B9999	10.2	01P01	FLDCT	H-1	00001	0.134	53	658	0	658	2036
	201	11	71	60	B9999	10.2	01P01	FLDCT	H-1	00002	0.134	53	1317	0	1317	2036
	201	12	67	60	B9999	10.2	01P01	FLDCT	H-1	00003	0.134	53	1024	0	1024	2036
	86	15	105	60	B9999	100	01P01	FLDCT	H-10	00001	0.049	80	510	0	510	685
	201	17	58	60	B9999	10.2	01P01	FLDCT	H-10	00002	0.134	53	366	0	366	2036
	201	18	57	60	B9999	10.2	01P01	FLDCT	H-10	00003	0.134	53	293	0	293	2036
	86	5	81	60	B9999	100	01P01	FLDCT	H-11	00001	0.049	80	20	0	20	685
	201	19	68	60	B9999	10.2	01P01	FLDCT	H-11	00002	0.134	53	1097	0	1097	2036
	86	20	106	60	B9999	100	01P01	FLDCT	H-11	00003	0.049	80	531	0	531	685
	89	5	126	60	B9999	100	01P01	FLDCT	H-12	00001	0.05	101	500	0	500	748
	89	3	148	60	B9999	100	01P01	FLDCT	H-12	00002	0.05	101	940	0	940	748
	89	4	164	60	B9999	100	01P01	FLDCT	H-12	00003	0.05	101	1260	0	1260	748
	86	12	115	60	B9999	100	01P01	FLDCT	H-13	00001	0.049	80	714	0	714	685
	86	21	102	60	B9999	100	01P01	FLDCT	H-13	00002	0.049	80	449	0	449	685
	86	22	122	60	B9999	100	01P01	FLDCT	H-13	00003	0.049	80	857	0	857	685
	86	11	87	60	B9999	100	01P01	FLDCT	H-14	00001	0.049	80	143	0	143	685
	93	4	111	60	B9999	100	01P01	FLDCT	H-14	00002	0.048	88	479	0	479	731
	93	3	112	60	B9999	100	01P01	FLDCT	H-14	00003	0.048	88	500	0	500	731
	88	3	173	120	B9999	100	01P01	FLDCT	H-15	00001	0.031	86	16	0	16	806
	88	4	159	120	B9999	100	01P01	FLDCT	H-15	00002	0.031	86	-210	0	-210	806
	88	15	195	120	B9999	100	01P01	FLDCT	H-15	00003	0.031	86	371	0	371	806
	88	5	246	120	B9999	100	01P01	FLDCT	H-16	00001	0.031	86	1194	0	1194	806
	88	6	196	120	B9999	100	01P01	FLDCT	H-16	00002	0.031	86	387	0	387	806
	88	16	204	120	B9999	100	01P01	FLDCT	H-16	00003	0.031	86	516	0	516	806
	88	7	176	120	B9999	100	01P01	FLDCT	H-17	00001	0.031	86	65	0	65	806
	88	8	173	120	B9999	100	01P01	FLDCT	H-17	00002	0.031	86	16	0	16	806
	88	17	179	120	B9999	100	01P01	FLDCT	H-17	00003	0.031	86	113	0	113	806
	88	9	233	120	B9999	100	01P01	FLDCT	H-18	00001	0.031	86	984	0	984	806
	88	10	200	120	B9999	100	01P01	FLDCT	H-18	00002	0.031	86	452	0	452	806
	88	18	183	120	B9999	100	01P01	FLDCT	H-18	00003	0.031	86	177	0	177	806
	88	11	241	120	B9999	100	01P01	FLDCT	H-19	00001	0.031	86	1113	0	1113	806
	88	12	197	120	B9999	100	01P01	FLDCT	H-19	00002	0.031	86	403	0	403	806
	88	19	194	120	B9999	100	01P01	FLDCT	H-19	00003	0.031	86	355	0	355	806
	86	3	108	60	B9999	100	01P01	FLDCT	H-2	00001	0.049	80	571	0	571	685
	201	22	55	60	B9999	10.2	01P01	FLDCT	H-2	00002	0.134	53	146	0	146	2036
	211	12	53	60	B9999	10.2	01P01	FLDCT	H-2	00003	0.13	49	302	0	302	2026
	88	13	227	120	B9999	100	01P01	FLDCT	H-20	00001	0.031	86	887	0	887	806
	88	14	203	120	B9999	100	01P01	FLDCT	H-20	00002	0.031	86	500	0	500	806
	88	20	182	120	B9999	100	01P01	FLDCT	H-20	00003	0.031	86	161	0	161	806
	220	4	130	60	B9999	100	01P01	FLDCT	H-21	00001	0.03	121	300	0	300	1356
	220	3	136	60	B9999	100	01P01	FLDCT	H-21	00002	0.03	121	500	0	500	1356
	220	8	138	60	B9999	100	01P01	FLDCT	H-21	00003	0.03	121	567	0	567	1356
	220	5	132	60	B9999	100	01P01	FLDCT	H-22	00001	0.03	121	367	0	367	1356
	220	6	129	60	B9999	100	01P01	FLDCT	H-22	00002	0.03	121	267	0	267	1356
	220	7	141	60	B9999	100	01P01	FLDCT	H-22	00003	0.03	121	667	0	667	1356
	86	4	104	60	B9999	100	01P01	FLDCT	H-3	00001	0.049	80	490	0	490	685
	201	20	49	60	B9999	10.2	01P01	FLDCT	H-3	00002	0.134	53	-293	0	-293	2036
	211	11	54	60	B9999	10.2	01P01	FLDCT	H-3	00003	0.13	49	377	0	377	2026
	86	7	115	60	B9999	100	01P01	FLDCT	H-4	00001	0.049	80	714	0	714	685
	86	16	90	60	B9999	100	01P01	FLDCT	H-4	00002	0.049	80	204	0	204	685
	86	17	122	60	B9999	100	01P01	FLDCT	H-4	00003	0.049	80	857	0	857	685
	86	8	78	60	B9999	100	01P01	FLDCT	H-5	00001	0.049	80	-41	0	-41	685

011

Package A0301 ~~Fixed~~ Direct Beta Survey Report ...elium and Reactor Cooling Water Lines)

AA 1/10/02

Desc.	File	Sample Number	Gross Counts	Count Time (sec)	Material Type	Detector Area (cm^2)	Surface	Count Type	Row	Location	Efficiency (dpm/cpm)	Background (cpm)	Activity ($dpm/100cm^2$)	Natural Background ($dpm/100cm^2$)	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)
	86	6	106	60	B9999	100	01P01	FLDCT	H-5	00002	0.049	80	531	0	531	685
	86	19	193	60	B9999	100	01P01	FLDCT	H-5	00003	0.049	80	2306	0	2306	685
	86	9	117	60	B9999	100	01P01	FLDCT	H-6	00001	0.049	80	755	0	755	685
	201	24	73	60	B9999	10.2	01P01	FLDCT	H-6	00002	0.134	53	1463	0	1463	2036
	86	25	112	60	B9999	100	01P01	FLDCT	H-6	00003	0.049	80	653	0	653	685
	86	10	158	60	B9999	100	01P01	FLDCT	H-7	00001	0.049	80	1592	0	1592	685
	86	23	163	60	B9999	100	01P01	FLDCT	H-7	00002	0.049	80	1694	0	1694	685
	86	24	119	60	B9999	100	01P01	FLDCT	H-7	00003	0.049	80	796	0	796	685
	86	13	140	60	B9999	100	01P01	FLDCT	H-8	00001	0.049	80	1224	0	1224	685
	201	13	59	60	B9999	10.2	01P01	FLDCT	H-8	00002	0.134	53	439	0	439	2036
	201	14	54	60	B9999	10.2	01P01	FLDCT	H-8	00003	0.134	53	73	0	73	2036
	86	14	101	60	B9999	100	01P01	FLDCT	H-9	00001	0.049	80	429	0	429	685
	201	15	56	60	B9999	10.2	01P01	FLDCT	H-9	00002	0.134	53	219	0	219	2036
	211	14	53	60	B9999	10.2	01P01	FLDCT	H-9	00003	0.13	49	302	0	302	2026
														# Measurements	66	
														Average	570	$dpm/100cm^2$
														Maximum	2036	$dpm/100cm^2$
														STD DEV	469	$dpm/100cm^2$
														95% CL on Mean	683	$dpm/100cm^2$

012

ATTACHMENT 6.14

SURVEY DOWNLOAD DATA SHEET

013

Download Print Station: 2

Technician: Name: D. Schumacher Signature: File: 86

Serial No. Verification: Model 2350: ☒ Detector: ☒ Problems: ☐ (See Comments)

Survey Technician(s):

Print Name: D. Schumacher User ID DPS 4133 Signature: Date: 3-12-01

Print Name: User ID Signature: Date:

Survey Unit Description: A0300: Rx Bldg. Helium Lines ~~for Cooler~~ 1"

(Example: Survey Package + description i.e. D16, Building 43, Area 09, Room 100, Floor - Grid Locations A1 through A7)

Instrument Model and Serial No.: Model 2350 ☐ Model 2350-1 ☒: 129407

Instrument and Detector Calibration Due Dates: Survey Meter: 3-15-01 Detector: 9-2-01

Type Of Survey: ☒ Term Survey ☐ Characterization ☐ Information Only ☐ Other (explain):

Type of Measurement	Detector Serial Number	Detector Model Number	Detector Efficiency	Source Mean BKG Value	Pre & Post Use Info	
					Pre File No.	Post File No.
☐ Beta β		43-106B			86	87
☐ Beta β		43-68B				
☐ Alpha α		43-68A				
☐ Gamma γ		44-2	N/A			
☒ Beta	43-94	124111	.049			

Local Area Background Measurements MEAN Value in cpm

β Beta SMIT	1 396	2 403	3	4	5	6	80
α Alpha	1	2	3	4	5	6	

COMMENTS:

GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

Direct Beta Survey Report, dpm/100 cm2

File Number: 86	Survey Description: A0300: RX BUILDING HELIUM LINES		
Survey Reason: TERMINATION	User ID: DPS4133	Technician name: Don Schumaker	
Instrument Model: 2350-1	S/N: 129407	Calibration Due: 9/21/01	Group: 2
Detector Model: 43-94	Detector S/N: 124111	Type: PIPE	
Background: 80 cpm	Beta Efficiency: .049		Survey Date: 3/12/01

Pre and Post source checks are included on this download: Yes ____ No ✓
If No is answered, then list the Download Files which include the Pre and Post source checks.
Pre File #: 86 Post File #: 87

Technician Review:

I have reveiwed this cover sheet and 2 pages of the report, 1 pages of comments, and 1 graph.

I performed this survey: Don Schumaker / [signature] Date: 9-6-01
Print name Signature

and,

I performed this survey: _____ / _____ Date: _____
Print name Signature

Corrections and Reasons:

Comment Resolution:

Survey Reviewed and Approved by: PAUL JONES / [signature] Date: 9/8/01
Print name Signature

Survey Date: 3/12/01 Report Date: 8/23/01 Page: 1
File: 86 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 5
	A0300	01P01	TAC01	02301	Det Cal Due: 9/02/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B9999	H-2	00000	2	300	396	-16	
FLDBK	B9999	H-6	00000	26	300	403	12	
						Group Average:	-2	
FLDCT	B9999	H-2	00001	3	60	108	571	
FLDCT	B9999	H-3	00001	4	60	104	490	
FLDCT	B9999	H-11	00001	5	60	81	20	
FLDCT	B9999	H-5	00002	6	60	106	531	
FLDCT	B9999	H-4	00001	7	60	115	714	
FLDCT	B9999	H-5	00001	8	60	78	-41	
FLDCT	B9999	H-6	00001	9	60	117	755	
FLDCT	B9999	H-7	00001	10	60	158	1592	
FLDCT	B9999	H-14	00001	11	60	87	143	
FLDCT	B9999	H-13	00001	12	60	115	714	
FLDCT	B9999	H-8	00001	13	60	140	1224	
FLDCT	B9999	H-9	00001	14	60	101	429	
FLDCT	B9999	H-10	00001	15	60	105	510	
FLDCT	B9999	H-4	00002	16	60	90	204	
FLDCT	B9999	H-4	00003	17	60	122	857	
FLDCT	B9999	H-5	00003	19	60	193	2306	
FLDCT	B9999	H-11	00003	20	60	106	531	
FLDCT	B9999	H-13	00002	21	60	102	449	
FLDCT	B9999	H-13	00003	22	60	122	857	
FLDCT	B9999	H-7	00002	23	60	163	1694	
FLDCT	B9999	H-7	00003	24	60	119	796	
LDCT	B9999	H-6	00003	25	60	112	653	
						Group Average:	727	

Survey Code	L1	L2	L3	L4	Setup Number 5
	ZZZZZ	A3404	TAC01	02301	Det Cal Due: 9/02/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRB00	ZZZZZ	ZZZZZ	00000	1	60	3378	67306	*
						Group Average:	67306	

Survey Code	L1	L2	L3	L4	Setup Number 5
	ZZZZZ	ZZZZZ	TAC01	02301	Det Cal Due: 9/02/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	778	-45	
						Group Average:	-45	

* Hi flag set at 2400 dpm/100 cm2

Survey Date: 3/12/01 Report Date: 8/23/01 Page: 2
File: 86 Station: 2

Comments

Total Number of Measurements on this Report: 26

NOTE: This report is grouped by:
Package (L1) (Package number)
Setup number (Detector parameters)
Det Type (L4) (GM pancake-flat surface, Beta 3.5-12" pipe, gamma at 1 m, etc.)
Reason (L3-345) (Char survey, source check, final survey, etc.)
Surface Cat (L2) (Wall, floor, drain, penetration, etc.)
Count Type (L5) (Field count, bkg, pre-, post-, etc.)
Bkgd Sub (L6) (Material code, i.e., wood, iron, concr, etc.)

* Hi flag set at 2400 dpm/100 cm2

GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

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8/23/01 Comments Report for File 86 Station: 2

Comment Number	Comment
1	Deleted sample number 18. Becuase detector was not in correct position. See file 89 sample 3 for resurvey.

GTS:0143 :C:\PDOX35\M2350\COMMENTS:R1

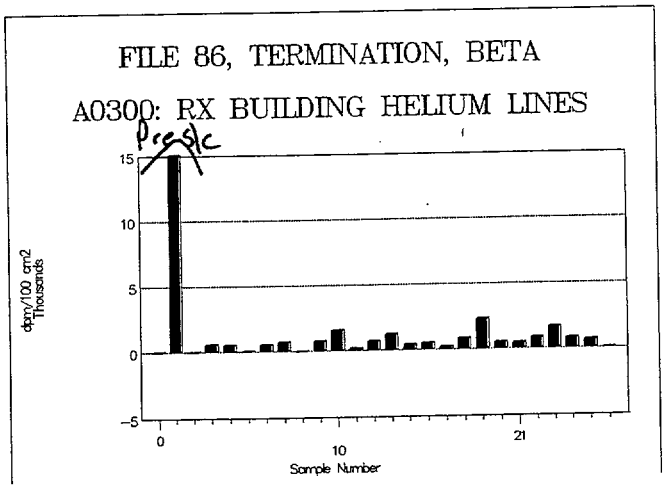
GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

8/23/2001 Graph of File 86 Station: 2

Survey Date: 3/12/2001 Survey Start Time: 09:48:18

Description: A0300: RX BUILDING HELIUM LINES



ATTACHMENT 6.14
SURVEY DOWNLOAD DATA SHEET

119

Download Print Station: 2
Technician: Name: D. Schumacher Signature: File: 88
Serial No. Verification: Model 2350: ☐ Detector: ☐ Problems: ☐ (See Comments)

Survey Technician(s):
Print Name: D. Schumacher User ID DPS 4133 Signature: Date: 3/13/01

Print Name: User ID Signature: Date:

Survey Unit Description: A0300: Rx Bldg Helium Lines 1 1/2" Lines
(Example: Survey Package + description i.e. D16, Building 43, Area 09, Room 100, Floor - Grid Locations A1 through A7)

Instrument Model and Serial No.: Model 2350 ☐ Model 2350-1 ☑:

Instrument and Detector Calibration Due Dates: Survey Meter: 3-15-01 Detector: 9-2-01

Type Of Survey: ☑ Term Survey ☐ Characterization ☐ Information Only
☐ Other (explain):

Type of Measurement	Detector Serial Number	Detector Model Number	Detector Efficiency	Source Mean BKG Value	Pre & Post Use Info	
					Pre File No.	Post File No.
☐ Beta β		43-106B			88	88
☐ Beta β		43-68B				
☐ Alpha α		43-68A				
☐ Gamma γ		44-2	N/A			
☑ Beta	124111	43-94	.031			

Local Area Background Measurements MEAN Value in cpm !

β Beta (10 min)	1 839	2 889	3	4	5	6	86
α Alpha	1	2	3	4	5	6	

COMMENTS:

GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

Direct Beta Survey Report, dpm/100 cm2

File Number: 88	Survey Description: A0300: RX BUILDING HELIUM LINES (1.5")		
Survey Reason: TERMINATION	User ID: DPS4133	Technician name: Don Schumaker	
Instrument Model: 2350-1	S/N: 129407	Calibration Due: 3/15/01	Group: 2
Detector Model: 43-94	Detector S/N: 124111	Type: PIPE	
Background: 86 cpm	Beta Efficiency: .031		Survey Date: 3/13/01

Pre and Post source checks are included on this download: Yes ✓ No ___
If No is answered, then list the Download Files which include the Pre and Post source checks.
Pre File #: _____ Post File #: _____

Technician Review:

I have reveiwed this cover sheet and 1 pages of the report, 0 pages of comments, and 1 graph.

I performed this survey: D. Schumaker / [signature] Date: 3/13/01
Print name Signature

and,

I performed this survey: _____ / _____ Date: _____
Print name Signature

Corrections and Reasons:

Comment Resolution:

Survey Reviewed and Approved by: PAUL JONES / [signature] Date: 9/8/01
Print name Signature

Survey Date: 3/13/01 Report Date: 3/13/01 Page: 1
File: 88 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 5
	A0300	01P01	TAC01	02302	Det Cal Due: 9/02/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B9999	H-15	00000	2	600	839	-68	
FLDBK	B9999	H-20	00000	21	600	889	94	
						Group Average:	13	
FLDCT	B9999	H-15	00001	3	120	173	16	
FLDCT	B9999	H-15	00002	4	120	159	-210	
FLDCT	B9999	H-16	00001	5	120	246	1194	
FLDCT	B9999	H-16	00002	6	120	196	387	
FLDCT	B9999	H-17	00001	7	120	176	65	
FLDCT	B9999	H-17	00002	8	120	173	16	
FLDCT	B9999	H-18	00001	9	120	233	984	
FLDCT	B9999	H-18	00002	10	120	200	452	
FLDCT	B9999	H-19	00001	11	120	241	1113	
FLDCT	B9999	H-19	00002	12	120	197	403	
FLDCT	B9999	H-20	00001	13	120	227	887	
FLDCT	B9999	H-20	00002	14	120	203	500	
FLDCT	B9999	H-15	00003	15	120	195	371	
FLDCT	B9999	H-16	00003	16	120	204	516	
FLDCT	B9999	H-17	00003	17	120	179	113	
FLDCT	B9999	H-18	00003	18	120	183	177	
FLDCT	B9999	H-19	00003	19	120	194	355	
FLDCT	B9999	H-20	00003	20	120	182	161	
						Group Average:	417	

Survey Code	L1	L2	L3	L4	Setup Number 5
	ZZZZZ	A3402	TAC01	02302	Det Cal Due: 9/02/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRB00	ZZZZZ	ZZZZZ	00000	1	60	2151	66613	*
						Group Average:	66613	
PTB00	ZZZZZ	ZZZZZ	00000	23	60	2104	65097	*
						Group Average:	65097	

Survey Code	L1	L2	L3	L4	Setup Number 5
	ZZZZZ	ZZZZZ	TAC01	02302	Det Cal Due: 9/02/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	784	-245	
						Group Average:	-245	
PTBBK	ZZZZZ	ZZZZZ	00000	22	600	705	-500	
						Group Average:	-500	

* Hi flag set at 2400 dpm/100 cm2

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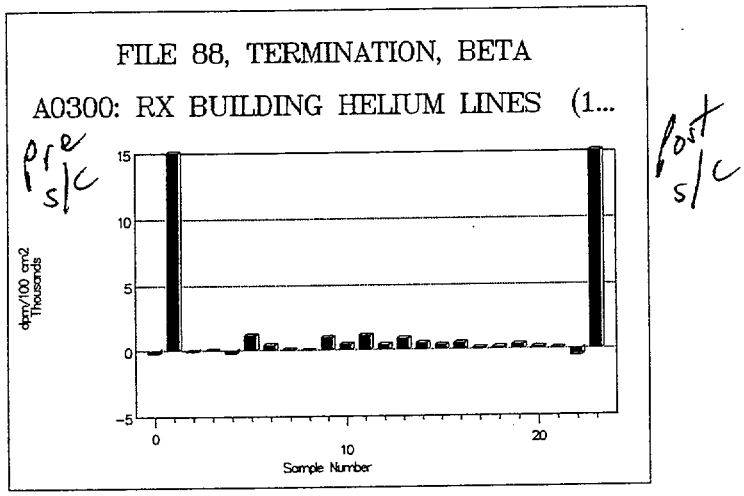
3/13/2001 Graph of File 88 Station: 2

Survey Date: 3/13/2001 Survey Start Time: 09:42:30

Description: A0300: RX BUILDING HELIUM LINES (1.5")



Flag set for 2400 dpm/100 cm2. Review values greater than this value.

Review this graph for visual outliers.

Mark outliers, source checks and backgrounds on the graph on this page.

ATTACHMENT 6.14

SURVEY DOWNLOAD DATA SHEET

023

Download Print Station: 2

Technician: Name: D. Schmidt Signature: File: 89

Serial No. Verification: Model 2350: ☐ Detector: ☐ Problems: ☐ (See Comments)

Survey Technician(s):

Print Name: D Schmidt User ID DCS 4133 Signature: Date: 3/15/01

Print Name: User ID Signature: Date:

Survey Unit Description: A0300: Rx Bldg. Helium Lines 1"

(Example: Survey Package + description i.e. D16, Building 43, Area 09, Room 100, Floor - Grid Locations A1 through A7)

Instrument Model and Serial No.: Model 2350 ☐ Model 2350-1 ☐: 129407

Instrument and Detector Calibration Due Dates: Survey Meter: 3-15-01 Detector: 9-2-01

Type Of Survey: ☐ Term Survey ☐ Characterization ☐ Information Only ☐ Other (explain):

Type of Measurement	Detector Serial Number	Detector Model Number	Detector Efficiency	Source Mean BKG Value	Pre & Post Use Info: Pre File No.	Pre & Post Use Info: Post File No.
☐ Beta β		43-106B			89	89
☐ Beta β		43-68B				
☐ Alpha α		43-68A				
☐ Gamma γ		44-2	N/A			
☒ Beta	124111	43-94	.050			

Local Area Background Measurements — MEAN Value in cpm !

β Beta	1 5 0 2	2 5 6 9	3	4	5	6	101 ~~5 6 6 8~~ 3-15-01
α Alpha	1	2	3	4	5	6	

COMMENTS:

GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

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Direct Beta Survey Report, dpm/100 cm2

File Number: 89	Survey Description: A0300: RX BUILDING HELIUM LINE (1")		
Survey Reason: TERMINATION	User ID: DPS4133	Technician name: Don Schumaker	
Instrument Model: 2350-1	S/N: 129407	Calibration Due: 3/15/01	Group: 2
Detector Model: 43-94	Detector S/N: 124111	Type: PIPE	
Background: 101 cpm	Beta Efficiency: .050		Survey Date: 3/15/01

Pre and Post source checks are included on this download: Yes ✓ No ___
If No is answered, then list the Download Files which include the Pre and Post source checks.
Pre File #: _____ Post File #: _____

Technician Review:

I have reveiwed this cover sheet and 1 pages of the report, 0 pages of comments, and 1 graph.

I performed this survey: D. Schumaker / [signature] Date: 3-15-01
Print name Signature

and,

I performed this survey: _____ / _____ Date: _____
Print name Signature

Corrections and Reasons:

Comment Resolution:

Survey Reviewed and Approved by: Paul Jones / [signature] Date: 9/8/01
Print name Signature

Survey Date: 3/15/01 Report Date: 3/15/01 Page: 1
File: 89 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 5
	A0300	01P01	TAC01	02302	Det Cal Due: 9/02/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
FLDBK	B9999	H-12	00000	2	300	502	-12	
FLDBK	B9999	H-12	00000	6	300	509	16	
						Group Average:	2	
FLDCT	B9999	H-12	00002	3	60	148	940	
FLDCT	B9999	H-12	00003	4	60	164	1260	
FLDCT	B9999	H-12	00001	5	60	126	500	
						Group Average:	900	

Survey Code	L1	L2	L3	L4	Setup Number 5
	ZZZZZ	A3404	TAC01	02302	Det Cal Due: 9/02/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
PRB00	ZZZZZ	ZZZZZ	00000	1	60	3395	65880	*
						Group Average:	65880	
PTB00	ZZZZZ	ZZZZZ	00000	8	60	3457	67120	*
						Group Average:	67120	

Survey Code	L1	L2	L3	L4	Setup Number 5
	ZZZZZ	ZZZZZ	TAC01	02302	Det Cal Due: 9/02/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	703	-614	
						Group Average:	-614	
PTBBK	ZZZZZ	ZZZZZ	00000	7	600	732	-556	
						Group Average:	-556	

Total Number of Measurements on this Report: 9

NOTE: This report is grouped by:
Package (L1) (Package number)
Setup number (Detector parameters)
Det Type (L4) (GM pancake-flat surface, Beta 3.5-12" pipe, gamma at 1 m, etc.)
Reason (L3-345) (Char survey, source check, final survey, etc.)
Surface Cat (L2) (Wall, floor, drain, penetration, etc.)
Count Type (L5) (Field count, bkg, pre-, post-, etc.)
Bkgd Sub (L6) (Material code, i.e., wood, iron, concr, etc.)

* Hi flag set at 2400 dpm/100 cm2

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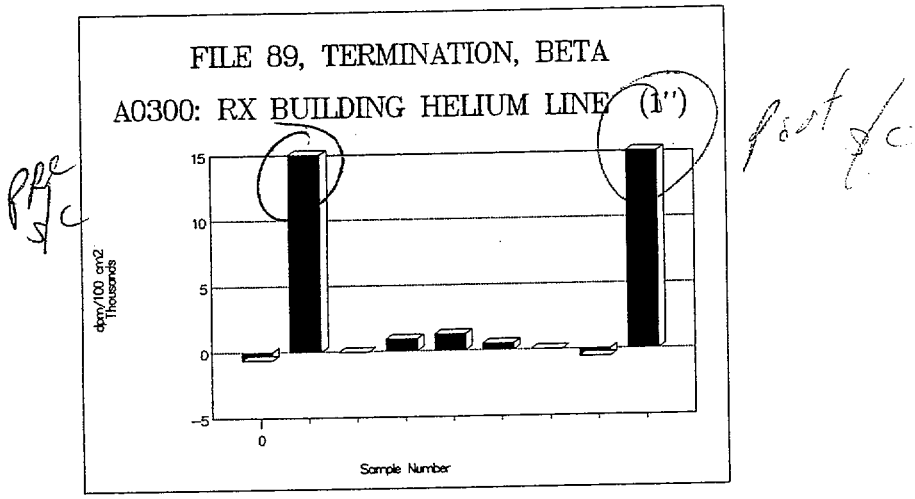
3/15/2001 Graph of File 89 Station: 2

Survey Date: 3/15/2001 Survey Start Time: 08:00:16

Description: A0300: RX BUILDING HELIUM LINE (1")



Flag set for 2400 dpm/100 cm2. Review values greater than this value.

Review this graph for visual outliers.

Mark outliers, source checks and backgrounds on the graph on this page.

ATTACHMENT 6.14

SURVEY DOWNLOAD DATA SHEET

027

Download Print Station: 2

Technician: Name: D. Schumaker Signature: File: 93

Serial No. Verification: Model 2350: ☐ Detector: ☐ Problems: ☐ (See Comments)

Survey Technician(s):

Print Name: D. Schumaker User ID DS 4133 Signature: Date: 3/26/01

Print Name: User ID Signature: Date:

Survey Unit Description: A0300: Rx Bldg 1st Flr Helium Line H-18

(Example: Survey Package + description i.e. D16, Building 43, Area 09, Room 100, Floor - Grid Locations A1 through A7)

Instrument Model and Serial No.: Model 2350 ☐ Model 2350-1 ☒: 129429

Instrument and Detector Calibration Due Dates: Survey Meter: 4-30-01 Detector: 4-2-01

Type Of Survey: ☒ Term Survey ☐ Characterization ☐ Information Only ☐ Other (explain):

Type of Measurement	Detector Serial Number	Detector Model Number	Detector Efficiency	Source Mean BKG Value	Pre & Post Use Info	
					Pre File No.	Post File No.
☐ Beta β		43-106B			93	93
☐ Beta β		43-68B				
☐ Alpha α		43-68A				
☐ Gamma γ		44-2	N/A			
☒ Beta	124111	43-94	.048			

Local Area Background Measurements MEAN Value in cpm

β Beta	1 429	2 429	3	4	5	6	88
α Alpha	1	2	3	4	5	6	

COMMENTS:

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Direct Beta Survey Report, dpm/100 cm2

File Number: 93	Survey Description: A0300: RX BUILDING HELIUM LINE (H-14)		
Survey Reason: TERMINATION	User ID: DPS4133	Technician name: Don Schumaker	
Instrument Model: 2350-1	S/N: 129429	Calibration Due: 12/06/01	Group: 2
Detector Model: 43-94	Detector S/N: 124111	Type: PIPE	
Background: 88 cpm	Beta Efficiency: .048		Survey Date: 3/26/01

Pre and Post source checks are included on this download: Yes ✓ No ___
If No is answered, then list the Download Files which include the Pre and Post source checks.
Pre File #: _____ Post File #: _____

Technician Review:

I have reveiwed this cover sheet and 1 pages of the report, 1 pages of comments, and 1 graph.

I performed this survey: Don Schumaker / [signature] Date: 9-6-01
Print name Signature

and,

I performed this survey: _____ / _____ Date: _____
Print name Signature

Corrections and Reasons:

Comment Resolution:

Survey Reviewed and Approved by: Paul Jones / [signature] Date: 9/8/01
Print name Signature

Survey Date: 3/26/01 Report Date: 8/23/01 Page: 1
File: 93 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 5
	A0300	01P01	TAC01	02301	Det Cal Due: 9/02/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
FLDBK	B9999	H-14	00000	2	300	449	37	
FLDBK	B9999	H-14	00000	6	300	429	-46	
						Group Average:	-4	
FLDCT	B9999	H-14	00003	3	60	112	500	
FLDCT	B9999	H-14	00002	4	60	111	479	
						Group Average:	490	

Survey Code	L1	L2	L3	L4	Setup Number 5
	ZZZZZ	A3404	TAC01	02301	Det Cal Due: 9/02/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
PRB00	ZZZZZ	ZZZZZ	00000	1	60	3295	66813	*
						Group Average:	66813	
PTB00	ZZZZZ	ZZZZZ	00000	8	60	3305	67021	*
						Group Average:	67021	

Survey Code	L1	L2	L3	L4	Setup Number 5
	ZZZZZ	ZZZZZ	TAC01	02301	Det Cal Due: 9/02/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	743	-285	
						Group Average:	-285	
PTBBK	ZZZZZ	ZZZZZ	00000	7	600	657	-465	
						Group Average:	-465	

Total Number of Measurements on this Report: 8

NOTE: This report is grouped by:
Package (L1) (Package number)
Setup number (Detector parameters)
Det Type (L4) (GM pancake-flat surface, Beta 3.5-12" pipe, gamma at 1 m, etc.)
Reason (L3-345) (Char survey, source check, final survey, etc.)
Surface Cat. (L2) (Wall, floor, drain, penetration, etc.)
Count Type (L5) (Field count, bkg, pre-, post-, etc.)
Bkgd Sub (L6) (Material code, i.e., wood, iron, concr, etc.)

* Hi flag set at 2400 dpm/100 cm2

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8/23/01 Comments Report for File 93 Station: 2

Comment Number	Comment
1	Deleted sample number 5. Because this data point was not required. This point was taken for verification of scan only. DS 12-3-01

GTS:0143 :C:\PDOX35\M2350\COMMENTS:R1

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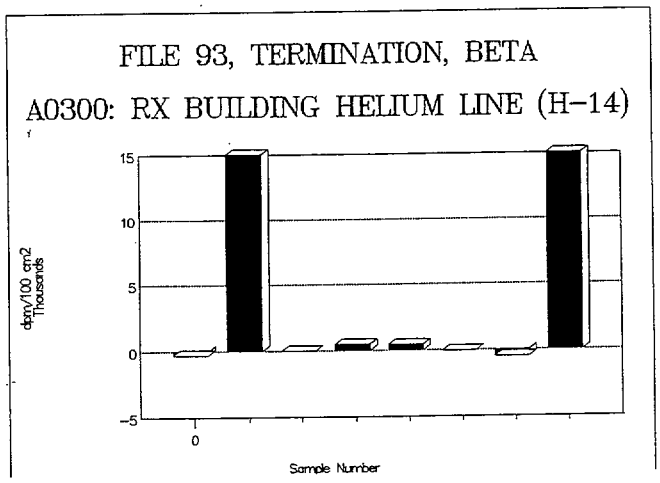
8/23/2001 Graph of File 93 Station: 2

Survey Date: 3/26/2001 Survey Start Time: 12:57:58

Description: A0300: RX BUILDING HELIUM LINE (H-14)



ATTACHMENT 6.14
SURVEY DOWNLOAD DATA SHEET

Download Print
Technician: Name: D. Schumacer Signature: [signature] Station: 2 File: 201
Serial No. Verification: Model 2350: ☑ Detector: ☑ Problems: ☐ (See Comments)

Survey Technician(s):
Print Name: D. Schumacer User ID DPS 4133 Signature: [signature] Date: 7/20/01

Print Name: _____ User ID _____ Signature: _____ Date: _____

Survey Unit Description: A0301: Helium Lines
(Example: Survey Package + description i.e. D16, Building 43, Area 09, Room 100, Floor - Grid Locations A1 through A7)

Instrument Model and Serial No.: Model 2350 ☐ Model 2350-1 ☒: 126182

Instrument and Detector Calibration Due Dates: Survey Meter: 12-13-01 Detector: 10-11-01

Type Of Survey: ☒ Term Survey ☐ Characterization ☐ Information Only
☐ Other (explain):

Type of Measurement	Detector Serial Number	Detector Model Number	Detector Efficiency	Source Mean BKG Value	Pre & Post Use Info	
					Pre File No.	Post File No.
☐ Beta β		43-106B				
☐ Beta β		43-68B				
☐ Alpha α		43-68A				
☐ Gamma γ		44-2	N/A			
☒ Beta	096172	SN-050-8K	.134	3080/42	201	201

Local Area Background Measurements — MEAN Value in cpm ↓

β Beta	1 566	2 491	3	4	5	6	53
α Alpha	1	2	3	4	5	6	

COMMENTS: _____

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Direct Beta Survey Report, dpm/100 cm2

File Number: 201	Survey Description: A0301: HELIUM LNBS		
Survey Reason: TERMINATION	User ID: DPS4133	Technician name: Don Schumaker	
Instrument Model: M2350-1	S/N: 126182	Calibration Due: 12/13/01	Group: 2
Detector Model: SN-050-8K	Detector S/N: 096172	Type: PIPE	
Background: 53 cpm	Beta Efficiency: .134		Survey Date: 7/20/01

Pre and Post source checks are included on this download: Yes ✓ No ____
If No is answered, then list the Download Files which include the Pre and Post source checks.
Pre File #: _____ Post File #: _____

Technician Review:

I have reveiwed this cover sheet and 2 pages of the report, 1 pages of comments, and 1 graph.

I performed this survey: Don Schumaker / [signature] Date: 9-6-01
Print name Signature

and,

I performed this survey: _____ / _____ Date: _____
Print name Signature

Corrections and Reasons:

Comment Resolution:

Survey Reviewed and Approved by: PAUL JONES / [signature] Date: 9/8/01
Print name Signature

Survey Date: 7/20/01 Report Date: 8/23/01 Page: 1
File: 201 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 12
	A0301	01P01	TAT01	02160	Det Cal Due: 10/11/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
FLDBK	B9999	H-1	00000	9	600	566	263	
FLDBK	B9999	H-6	00000	25	600	491	-285	
						Group Average:	-11	
FLDCT	B9999	H-1	00001	10	60	62	658	
FLDCT	B9999	H-1	00002	11	60	71	1317	
FLDCT	B9999	H-1	00003	12	60	67	1024	
FLDCT	B9999	H-8	00002	13	60	59	439	
FLDCT	B9999	H-8	00003	14	60	54	73	
FLDCT	B9999	H-9	00002	15	60	56	219	
FLDCT	B9999	H-10	00002	17	60	58	366	
FLDCT	B9999	H-10	00003	18	60	57	293	
FLDCT	B9999	H-11	00002	19	60	68	1097	
FLDCT	B9999	H-3	00002	20	60	49	-293	
FLDCT	B9999	H-2	00002	22	60	55	146	
FLDCT	B9999	H-6	00002	24	60	73	1463	
						Group Average:	567	

Survey Code	L1	L2	L3	L4	Setup Number 12
	ZZZZZ	12643	TAT01	02160	Det Cal Due: 10/11/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
PRB00	ZZZZZ	ZZZZZ	00000	1	60	3254	234197	*
PRB00	ZZZZZ	ZZZZZ	00000	2	60	3742	269900	*
PRB00	ZZZZZ	ZZZZZ	00000	3	60	3220	231709	*
PRB00	ZZZZZ	ZZZZZ	00000	4	60	3010	216345	*
PRB00	ZZZZZ	ZZZZZ	00000	5	60	2942	211370	*
PRB00	ZZZZZ	ZZZZZ	00000	6	60	2725	195493	*
PRB00	ZZZZZ	ZZZZZ	00000	7	60	3057	219783	*
PRB00	ZZZZZ	ZZZZZ	00000	8	60	3029	217735	*
						Group Average:	224567	
PTB00	ZZZZZ	ZZZZZ	00000	28	60	3168	227905	*
PTB00	ZZZZZ	ZZZZZ	00000	29	60	3332	239903	*
PTB00	ZZZZZ	ZZZZZ	00000	30	60	3186	229222	*
PTB00	ZZZZZ	ZZZZZ	00000	31	60	3008	216198	*
PTB00	ZZZZZ	ZZZZZ	00000	32	60	2932	210638	*
PTB00	ZZZZZ	ZZZZZ	00000	33	60	2597	186128	*
PTB00	ZZZZZ	ZZZZZ	00000	34	60	3374	242976	*
PTB00	ZZZZZ	ZZZZZ	00000	35	60	2955	212321	*
						Group Average:	220661	

Survey Code	L1	L2	L3	L4	Setup Number 12
	ZZZZZ	ZZZZZ	TAT01	02160	Det Cal Due: 10/11/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	415	-841	
						Group Average:	-841	

* Hi flag set at 2400 dpm/100 cm2

Survey Date: 7/20/01 Report Date: 8/23/01 Page: 2
File: 201 Station: 2

Comments

Survey Code	L1	L2	L3	L4
	ZZZZZ	ZZZZZ	TAT01	02160

Setup Number 12
Det Cal Due: 10/11/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PTBBK	ZZZZZ	ZZZZZ	00000	27	600	445	-622	

Group Average: -622

Total Number of Measurements on this Report: 32

NOTE: This report is grouped by:
Package (L1) (Package number)
Setup number (Detector parameters)
Det Type (L4) (GM pancake-flat surface, Beta 3.5-12" pipe, gamma at 1 m, etc.)
Reason (L3-345) (Char survey, source check, final survey, etc.)
Surface Cat (L2) (Wall, floor, drain, penetration, etc.)
Count Type (L5) (Field count, bkg, pre-, post-, etc.)
Bkgd Sub (L6) (Material code, i.e., wood, iron, concr, etc.)

* Hi flag set at 2400 dpm/100 cm2

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8/23/01 Comments Report for File 201 Station: 2

Comment Number	Comment
1	Deleted sample numbers from 26 to 26. Because BACKGROUND SHIELD NOT IN PLACE PRIOR TO START OF COUNT.
2	Deleted sample number 23. Because the detector was not in correct position for survey. See file 211 sample number 12 for resurvey.
3	Deleted sample number 21. Because this sample not required. See sample # 20.
4	Deleted sample number 16. Because this data point was a duplicate reading. See sample # 15.

GTS:0143 :C:\PDOX35\M2350\COMMENTS:R1

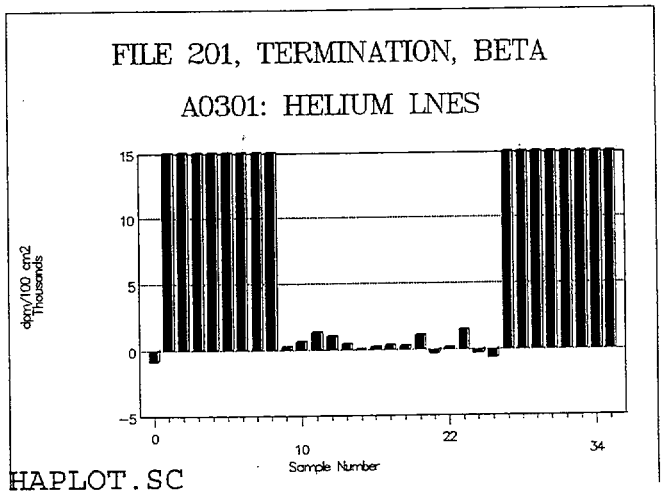
GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

8/23/2001 Graph of File 201 Station: 2

Survey Date: 7/20/2001 Survey Start Time: 07:32:56

Description: A0301: HELIUM LNES



038

ATTACHMENT 6.14
SURVEY DOWNLOAD DATA SHEET

Download Print Station: 2
Technician: Name: D. Schumaker Signature: File: 211
Serial No. Verification: Model 2350: ☐ Detector: ☐ Problems: ☐ (See Comments)

Survey Technician(s):
Print Name: Paul Jones User ID PAJ 5034 Signature: Date: 7-26-01

Print Name: User ID Signature: Date:

Survey Unit Description: A0301 : HELIUM LINES H-2, H-3, H-9
(Example: Survey Package + description i.e. D16, Building 43, Area 09, Room 100, Floor - Grid Locations A1 through A7)

Instrument Model and Serial No.: Model 2350 ☐ Model 2350-1 ☑: 126182

Instrument and Detector Calibration Due Dates: Survey Meter: 12-13-01 Detector: 10-11-01

Type Of Survey: ☑ Term Survey ☐ Characterization ☐ Information Only
☐ Other (explain):

Type of Measurement	Detector Serial Number	Detector Model Number	Detector Efficiency	Source Mean BKG Value	Pre & Post Use Info	
					Pre File No.	Post File No.
☐ Beta β		43-106B				
☐ Beta β		43-68B				
☐ Alpha α		43-68A				
☐ Gamma γ		44-2	N/A			
☑ Beta	096172	SN-050-8K	.130	3069/43	211	211

Local Area Background Measurements — MEAN Value in cpm

β Beta	1 504	2 481	3 490	4	5	6	492 PJ 7-26-01
α Alpha	1	2	3	4	5	6	

COMMENTS:

GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

Direct Beta Survey Report, dpm/100 cm2

File Number: 211	Survey Description: A0301: HELIUM LINES H-2,H-3,H-9		
Survey Reason: TERMINATION	User ID: PAJ5034	Technician name: Paul Jones	
Instrument Model: M2350-1	S/N: 126182	Calibration Due: 12/13/01	Group: 2
Detector Model: SN-050-8K	Detector S/N: 096172	Type: PIPE	
Background: 49 cpm	Beta Efficiency: .130		Survey Date: 7/26/01

Pre and Post source checks are included on this download: Yes ✓ No ___
If No is answered, then list the Download Files which include the Pre and Post source checks.
Pre File #: _____ Post File #: _____

Technician Review:

I have reveiwed this cover sheet and 2 pages of the report, 0 pages of comments, and 1 graph.

I performed this survey: Don Schumaker / [signature] Date: 9-6-01
Print name Signature

and,

I performed this survey: _____ / _____ Date: _____
Print name Signature

Corrections and Reasons:

Comment Resolution:

Survey Reviewed and Approved by: PAUL JONES / [signature] Date: 9/8/01
Print name Signature

Survey Date: 7/26/01 Report Date: 8/23/01 Page: 1
File: 211 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 12
	A0301	01P01	TAT01	02160	Det Cal Due: 10/11/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
FLDBK	B9999	H-2	00003	9	600	504	106	
FLDBK	B9999	H-3	00003	10	600	481	-68	
FLDBK	B9999	H-9	00003	13	600	490	0	
						Group Average:	13	
FLDCT	B9999	H-3	00003	11	60	54	377	
FLDCT	B9999	H-2	00003	12	60	53	302	
FLDCT	B9999	H-9	00003	14	60	53	302	
						Group Average:	327	

Survey Code	L1	L2	L3	L4	Setup Number 12
	ZZZZZ	12643	TAT01	02160	Det Cal Due: 10/11/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
PRB00	ZZZZZ	ZZZZZ	00000	1	60	3218	238989	*
PRB00	ZZZZZ	ZZZZZ	00000	2	60	3220	239140	*
PRB00	ZZZZZ	ZZZZZ	00000	3	60	2919	216440	*
PRB00	ZZZZZ	ZZZZZ	00000	4	60	2998	222398	*
PRB00	ZZZZZ	ZZZZZ	00000	5	60	2919	216440	*
RB00	ZZZZZ	ZZZZZ	00000	6	60	2753	203922	*
RB00	ZZZZZ	ZZZZZ	00000	7	60	3380	251207	*
PRB00	ZZZZZ	ZZZZZ	00000	8	60	3011	223379	*
						Group Average:	226489	
PTB00	ZZZZZ	ZZZZZ	00000	16	60	3104	230392	*
PTB00	ZZZZZ	ZZZZZ	00000	17	60	3309	245852	*
PTB00	ZZZZZ	ZZZZZ	00000	18	60	2974	220588	*
PTB00	ZZZZZ	ZZZZZ	00000	19	60	3161	234691	*
PTB00	ZZZZZ	ZZZZZ	00000	20	60	3039	225490	*
PTB00	ZZZZZ	ZZZZZ	00000	21	60	2670	197662	*
PTB00	ZZZZZ	ZZZZZ	00000	22	60	3304	245475	*
PTB00	ZZZZZ	ZZZZZ	00000	23	60	3020	224057	*
						Group Average:	228026	

Survey Code	L1	L2	L3	L4	Setup Number 12
	ZZZZZ	ZZZZZ	TAT01	02160	Det Cal Due: 10/11/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	434	-422	
						Group Average:	-422	
PTBBK	ZZZZZ	ZZZZZ	00000	15	600	362	-965	
						Group Average:	-965	

* Hi flag set at 2400 dpm/100 cm2

Survey Date: 7/26/01 Report Date: 8/23/01 Page: 2
File: 211 Station: 2

Comments

Total Number of Measurements on this Report: 24

NOTE: This report is grouped by:
Package (L1) (Package number)
Setup number (Detector parameters)
Det Type (L4) (GM pancake-flat surface, Beta 3.5-12" pipe, gamma at 1 m, etc.)
Reason (L3-345) (Char survey, source check, final survey, etc.)
Surface Cat (L2) (Wall, floor, drain, penetration, etc.)
Count Type (L5) (Field count, bkg, pre-, post-, etc.)
Bkgd Sub (L6) (Material code, i.e., wood, iron, concr, etc.)

* Hi flag set at 2400 dpm/100 cm2

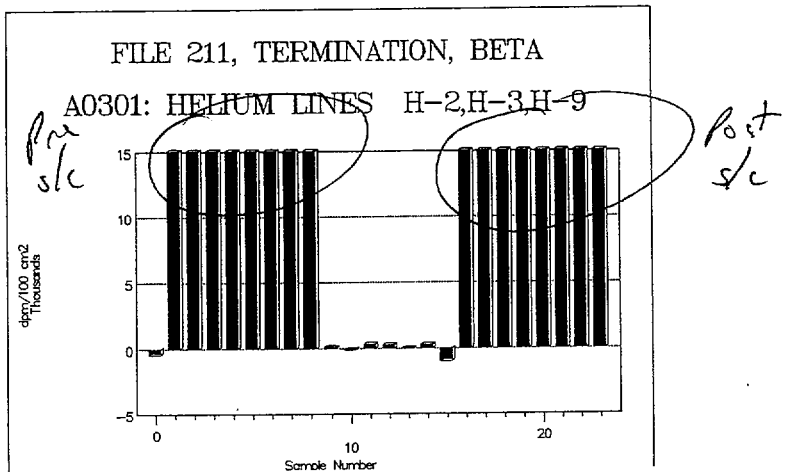
GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

8/23/2001 Graph of File 211 Station: 2

Survey Date: 7/26/2001 Survey Start Time: 08:15:16

Description: A0301: HELIUM LINES H-2,H-3,H-9



ATTACHMENT 6.14
SURVEY DOWNLOAD DATA SHEET

043

Download Technician: Print Name: PAUL JONES Signature: [signature] Station: 2 File: 220

Serial No. Verification: Model 2350: ☒ Detector: ☒ Problems: ☐ (See Comments)

Survey Technician(s):
Print Name: PAUL JONES User ID PAJ 5034 Signature: [signature] Date: 8/23/01

Print Name: _____ User ID _____ Signature: _____ Date: _____

Survey Unit Description: A0301, Helium Lines 21 & 22
(Example: Survey Package + description i.e. D16, Building 43, Area 09, Room 100, Floor - Grid Locations A1 through A7)

Instrument Model and Serial No.: Model 2350 ☐ Model 2350-~~12~~: 129429

Instrument and Detector Calibration Due Dates: Survey Meter: 12/6/01 Detector: 9/2/01

Type Of Survey: ☒ Term Survey ☐ Characterization ☐ Information Only
☐ Other (explain):

Type of Measurement	Detector Serial Number	Detector Model Number	Detector Efficiency	Source Mean BKG Value	Pre & Post Use Info	
					Pre File No.	Post File No.
☐ Beta β		43-106B				
☐ Beta β		43-68B				
☐ Alpha α		43-68A				
☐ Gamma γ		44-2	N/A			
Beta	124111	43-94	.030	2080/93	220	220

Local Area Background Measurements 10 min counts MEAN Value in cpm

β Beta	1 1154	2 1267	3	4	5	6	121.0
α Alpha	1	2	3	4	5	6	

COMMENTS: _____

GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

Direct Beta Survey Report, dpm/100 cm2

File Number: 220	Survey Description: A0301 HELIUM LINES 21 & 22		
Survey Reason: TERMINATION	User ID: PAJ5034	Technician name: Paul Jones	
Instrument Model: 2350-1	S/N: 129429	Calibration Due: 12/06/01	Group: 2
Detector Model: 43-94	Detector S/N: 124111	Type: PIPE	
Background: 121 cpm	Beta Efficiency: .030		Survey Date: 8/23/01

Pre and Post source checks are included on this download: Yes ✓ No ___
If No is answered, then list the Download Files which include the Pre and Post source checks.
Pre File #: _____ Post File #: _____

Technician Review:

I have reveiwed this cover sheet and 1 pages of the report, Ø pages of comments, and 1 graph.

I performed this survey: PAUL JONES / Paul Jones Date: 8/23/01
Print name Signature

and,

I performed this survey: _____ / _____ Date: _____
Print name Signature

Corrections and Reasons:

Comment Resolution:

Survey Reviewed and Approved by: PAUL JONES / Paul Jones Date: 8/24/01
Print name Signature

Survey Date: 8/23/01 Report Date: 8/23/01 Page: 1
File: 220 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 5
	A0301	01P01	TAT01	02302	Det Cal Due: 9/02/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	02302	H-21	00002	2	600	1154	-187	
FLDBK	02302	H-21	00003	9	600	1267	190	
						Group Average:	2	
FLDCT	02302	H-21	00002	3	60	136	500	
FLDCT	02302	H-21	00001	4	60	130	300	
FLDCT	02302	H-22	00001	5	60	132	367	
FLDCT	02302	H-22	00002	6	60	129	267	
FLDCT	02302	H-22	00003	7	60	141	667	
FLDCT	02302	H-21	00003	8	60	138	567	
						Group Average:	444	

Survey Code	L1	L2	L3	L4	Setup Number 5
	ZZZZZ	A3402	TAT01	02302	Det Cal Due: 9/02/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRB00	ZZZZZ	ZZZZZ	00000	1	60	2080	65300	*
						Group Average:	65300	
TB00	ZZZZZ	ZZZZZ	00000	11	60	2173	68400	*
						Group Average:	68400	

Survey Code	L1	L2	L3	L4	Setup Number 5
	ZZZZZ	ZZZZZ	TAT01	02302	Det Cal Due: 9/02/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	871	-1130	
						Group Average:	-1130	
PTBBK	ZZZZZ	ZZZZZ	00000	10	600	927	-943	
						Group Average:	-943	

Total Number of Measurements on this Report: 12

NOTE: This report is grouped by:
Package (L1) (Package number)
Setup number (Detector parameters)
Det Type (L4) (GM pancake-flat surface, Beta 3.5-12" pipe, gamma at 1 m, etc.)
Reason (L3-345) (Char survey, source check, final survey, etc.)
Surface Cat (L2) (Wall, floor, drain, penetration, etc.)
Count Type (L5) (Field count, bkg, pre-, post-, etc.)
Bkgd Sub (L6) (Material code, i.e., wood, iron, concr, etc.)

* Hi flag set at 2400 dpm/100 cm2

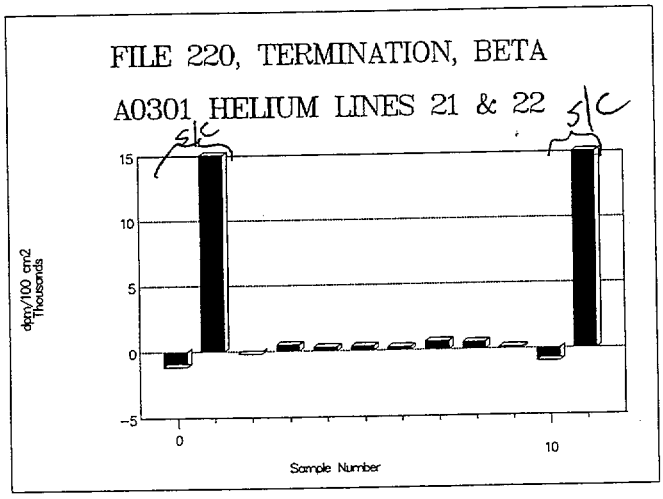
GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

8/23/2001 Graph of File 220 Station: 2

Survey Date: 8/23/2001 Survey Start Time: 14:04:48

Description: A0301 HELIUM LINES 21 & 22



Flag set for 2400 dpm/100 cm2. Review values greater than this value.

Review this graph for visual outliers.

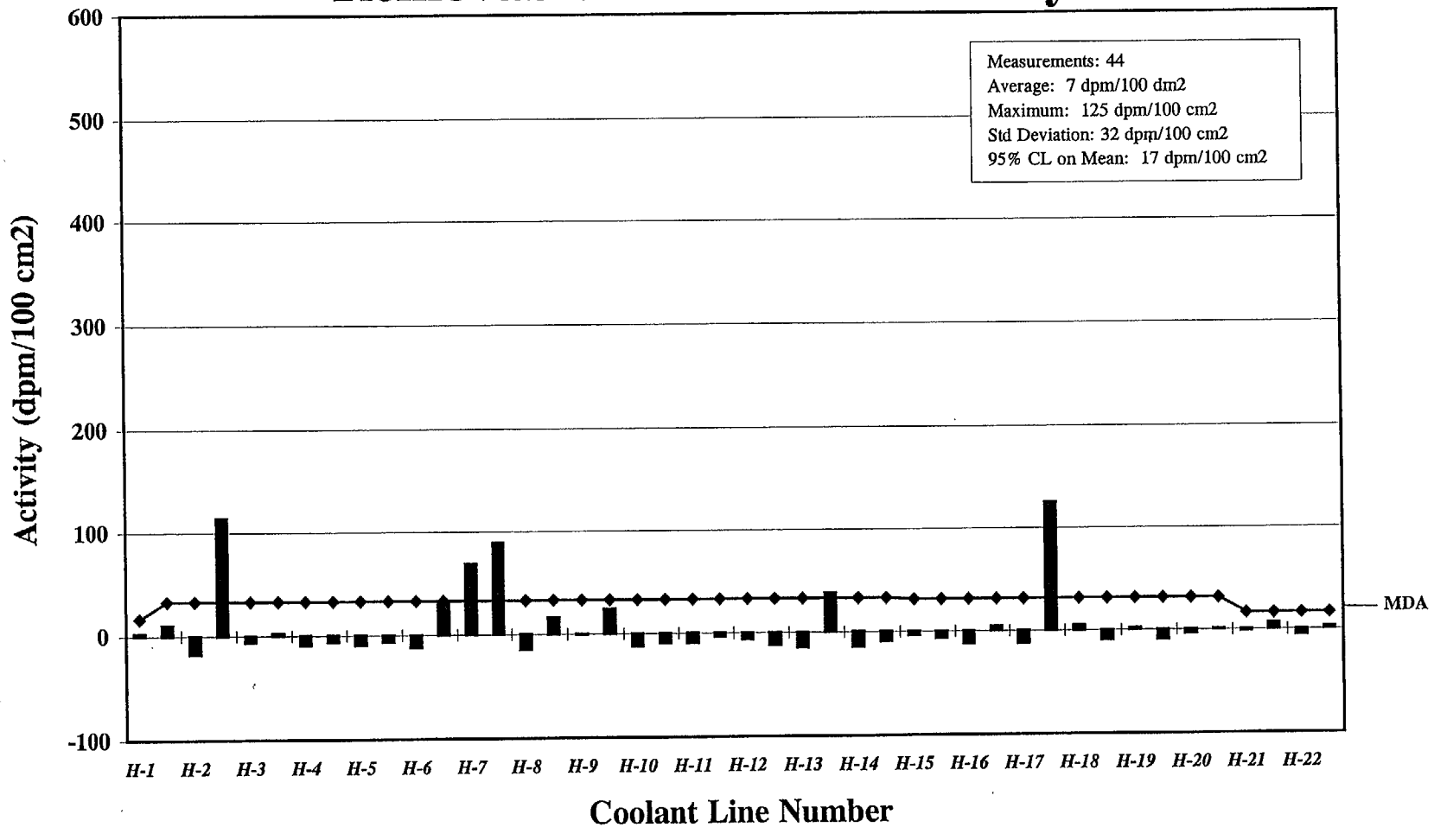
Mark outliers, source checks and backgrounds on the graph on this page.

Section 4

Package 1

Removable Beta Contamination for the Helium and Reactor Cooling Water Lines (including lab reports)

Helium and Lead Tank Coolant Lines
Removable Gross Beta Activity



048

Removable Beta Contamination Package A0301 (Helium and Reactor Cooling Water Lines)

Desc.	Gross Counts	Count Time (sec)	Sample Area (cm^2)	Surface	Count Type	Row	Location	Efficiency (dpm/cpm)	Background (cpm)	Activity (dpm/100cm^2)	Net Activity (dpm/100cm^2)	MDA (dpm/100cm^2)
	4	90	100	01P01	FLDCT	H-1	00001	0.3425	2	3	3	17
	11	60	100	01P01	FLDCT	H-1	00003	0.3581	7	11	11	33
	1	60	100	01P01	FLDCT	H-2	00001	0.3581	7	-17	-17	33
	48	60	100	01P01	FLDCT	H-2	00003	0.3581	7	114	114	33
	5	60	100	01P01	FLDCT	H-3	00001	0.3581	7	-6	-6	33
	8	60	100	01P01	FLDCT	H-3	00003	0.3581	7	2	2	33
	4	60	100	01P01	FLDCT	H-4	00001	0.3581	7	-9	-9	33
	5	60	100	01P01	FLDCT	H-4	00003	0.3581	7	-6	-6	33
	4	60	100	01P01	FLDCT	H-5	00001	0.3581	7	-9	-9	33
	5	60	100	01P01	FLDCT	H-5	00003	0.3581	7	-6	-6	33
	3	60	100	01P01	FLDCT	H-6	00001	0.3581	7	-12	-12	33
	18	60	100	01P01	FLDCT	H-6	00003	0.3581	7	30	30	33
	32	60	100	01P01	FLDCT	H-7	00001	0.3581	7	69	69	33
	39	60	100	01P01	FLDCT	H-7	00003	0.3581	7	89	89	33
	2	60	100	01P01	FLDCT	H-8	00001	0.3581	7	-15	-15	33
	13	60	100	01P01	FLDCT	H-8	00003	0.3581	7	16	16	33
	7	60	100	01P01	FLDCT	H-9	00001	0.3581	7	-1	-1	33
	16	60	100	01P01	FLDCT	H-9	00003	0.3581	7	25	25	33
	3	60	100	01P01	FLDCT	H-10	00001	0.3581	7	-12	-12	33
	4	60	100	01P01	FLDCT	H-10	00003	0.3581	7	-9	-9	33
	4	60	100	01P01	FLDCT	H-11	00001	0.3581	7	-9	-9	33
	6	60	100	01P01	FLDCT	H-11	00003	0.3581	7	-3	-3	33
	5	60	100	01P01	FLDCT	H-12	00001	0.3581	7	-6	-6	33
	3	60	100	01P01	FLDCT	H-12	00003	0.3581	7	-12	-12	33
	2	60	100	01P01	FLDCT	H-13	00001	0.3581	7	-15	-15	33
	21	60	100	01P01	FLDCT	H-13	00003	0.3581	7	39	39	33
	2	60	100	01P01	FLDCT	H-14	00001	0.3581	7	-15	-15	33
	4	60	100	01P01	FLDCT	H-14	00003	0.3581	7	-9	-9	33
	5	60	100	01P01	FLDCT	H-15	00001	0.3581	6	-4	-4	32
	4	60	100	01P01	FLDCT	H-15	00003	0.3581	6	-6	-6	32
	2	60	100	01P01	FLDCT	H-16	00001	0.3581	6	-12	-12	32
	8	60	100	01P01	FLDCT	H-16	00003	0.3581	6	5	5	32
	2	60	100	01P01	FLDCT	H-17	00001	0.3581	6	-12	-12	32
	51	60	100	01P01	FLDCT	H-17	00003	0.3581	6	125	125	32
	8	60	100	01P01	FLDCT	H-18	00001	0.3581	6	5	5	32
	3	60	100	01P01	FLDCT	H-18	00003	0.3581	6	-9	-9	32
	7	60	100	01P01	FLDCT	H-19	00001	0.3581	6	2	2	32
	3	60	100	01P01	FLDCT	H-19	00003	0.3581	6	-9	-9	32
	5	60	100	01P01	FLDCT	H-20	00001	0.3581	6	-4	-4	32
	7	60	100	01P01	FLDCT	H-20	00003	0.3581	6	1	1	32

	2	90	100	01P01	FLDCT	H-21	00001	0.3425	2	-1	-1	17
	6	90	100	01P01	FLDCT	H-21	00003	0.3425	2	6	6	17
	0	90	100	01P01	FLDCT	H-22	00001	0.3425	2	-5	-5	17
	4	90	100	01P01	FLDCT	H-22	00003	0.3425	2	3	3	17
									# Measurements		44	
										Average	7	dpm/100cm^2
										Maximum	125	dpm/100cm^2
										STD DEV	32	dpm/100cm^2
									95% CL on Mean		17	dpm/100cm^2

050

Smears

PIC IPC9025 216712

051

		ALPHA				BETA					
		Eff: 34.89%	Bkg: 0.00 cpm	MDA: 7.77 dpm		Eff: 35.81%	Bkg: 6.30 cpm	MDA: 40.16 dpm			
RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
00		0	0.00	0.00		5	-1.30	-3.63	H15 2	03-15-2001	09:15:30
[illegible]		0	0.00	0.00		4	-2.30	-6.42	H15 3	03-15-2001	09:16:59
003 00		0	0.00	0.00		2	-4.30	-12.01	H16 2	03-15-2001	09:18:28
004 00		0	0.00	0.00		8	1.70	4.75	H16 3	03-15-2001	09:19:57
005 00		0	0.00	0.00		2	-4.30	-12.01	H17 2	03-15-2001	09:21:26
006 00		0	0.00	0.00		51	44.70	124.83	H17 3	03-15-2001	09:22:55
007 00		0	0.00	0.00		8	1.70	4.75	H18 2	03-15-2001	09:24:24
008 00		0	0.00	0.00		3	-3.30	-9.22	H18 3	03-15-2001	09:25:53
009 00		0	0.00	0.00		7	0.70	1.95	H19 2	03-15-2001	09:27:22
010 00		0	0.00	0.00		3	-3.30	-9.22	H19 3	03-15-2001	09:28:51
011 00		0	0.00	0.00		5	-1.30	-3.63	H20 2	03-15-2001	09:30:20
012 00		1	1.00	2.87		7	0.35	0.97	H20 3	03-15-2001	09:31:48

FINAL SURVEY 01P01 H-1 PIN 01

PIC IPC9025 216712

			ALPHA				BETA				
			Eff: 34.97% Bkg: 0.10 cpm MDA: 8.60 dpm				Eff: 34.25% Bkg: 1.80 cpm MDA: 20.15 dpm				
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE TIME
001	00	1	0	-0.10	-0.29		4	0.87	2.53		08-23-2001 15:43:16

Performed By: [signature] Date: 8/23/01

Reviewed By: [signature] Date: 8/23/01

FINAL SURVEY 01P01 H-21 PIN 01

PIC IPC9025 216712

			ALPHA				BETA					
			Eff: 34.97% Bkg: 0.10 cpm MDA: 8.60 dpm				Eff: 34.25% Bkg: 1.80 cpm MDA: 20.15 dpm					
SW	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	0	-0.10	-0.29		2	-0.47	-1.36		08-23-2001	15:48:34
002	00	3	0	-0.10	-0.29		6	2.20	6.42		08-23-2001	15:50:34

Performed By: [signature] Date: 8/23/01

Reviewed By: [signature] Date: 8/23/01

FINAL SURVEY 01P01 H-22 PIN 01
PIC IPC9025 216712

			ALPHA				BETA					
			Eff: 34.97% Bkg: 0.10 cpm MDA: 8.60 dpm				Eff: 34.25% Bkg: 1.80 cpm MDA: 20.15 dpm					
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	0	-0.10	-0.29		0	-1.80	-5.26		08-23-2001	15:55:28
002	00	3	0	-0.10	-0.29		4	0.87	2.53		08-23-2001	15:57:27

Performed By: [signature] Date: 8/23/01

Reviewed By: [signature] Date: 8/23/01

A0300: HELIUM LINES

			ALPHA Eff: 34.89% Bkg: 0.00 cpm MDA: 7.77 dpm				BETA Eff: 35.81% Bkg: 7.20 cpm MDA: 42.41 dpm						
-PM-	-RPT-	-- ID --	- COUNTS -	- NET CPM -	--- DPM ---	- LIMITS -	- COUNTS -	- NET CPM -	--- DPM ---	- LIMITS -		- DATE -	- TIME -
	00		0	0.00	0.00		11	3.80	10.61	H1	3	03-13-2001	13:05:41
	[illegible]		0	0.00	0.00		1	-6.20	-17.31	H2	1	03-13-2001	13:07:10
003	[illegible]		0	0.00	0.00		48	40.80	113.93	H2	3	03-13-2001	13:08:39
004	00		0	0.00	0.00		5	-2.20	-6.14	H3	1	03-13-2001	13:10:08
005	00		0	0.00	0.00		8	0.80	2.23	H3	3	03-13-2001	13:11:37
006	00		0	0.00	0.00		4	-3.20	-8.94	H4	1	03-13-2001	13:13:06
007	00		0	0.00	0.00		5	-2.20	-6.14	H4	3	03-13-2001	13:14:34
008	00		0	0.00	0.00		4	-3.20	-8.94	H5	1	03-13-2001	13:16:03
009	00		0	0.00	0.00		5	-2.20	-6.14	H5	3	03-13-2001	13:17:32
010	00		0	0.00	0.00		3	-4.20	-11.73	H6	1	03-13-2001	13:19:01
011	00		0	0.00	0.00		18	10.80	30.16	H6	3	03-13-2001	13:20:30
012	00		0	0.00	0.00		32	24.80	69.25	H7	1	03-13-2001	13:21:59
013	00		0	0.00	0.00		39	31.80	88.80	H7	3	03-13-2001	13:23:28
014	00		0	0.00	0.00		2	-5.20	-14.52	H8	1	03-13-2001	13:24:57
015	00		0	0.00	0.00		13	5.80	16.20	H8	3	03-13-2001	13:26:26
016	00		0	0.00	0.00		7	-0.20	-0.56	H9	1	03-13-2001	13:27:55
017	00		0	0.00	0.00		16	8.80	24.57	H9	3	03-13-2001	13:29:23
018	00		0	0.00	0.00		3	-4.20	-11.73	H10	1	03-13-2001	13:30:52
019	00		0	0.00	0.00		4	-3.20	-8.94	H10	3	03-13-2001	13:32:20
020	00		0	0.00	0.00		4	-3.20	-8.94	H11	1	03-13-2001	13:33:49
021	00		0	0.00	0.00		6	-1.20	-3.35	H11	3	03-13-2001	13:35:18
022	00		0	0.00	0.00		5	-2.20	-6.14	H12	1	03-13-2001	13:36:47
023	00		0	0.00	0.00		3	-4.20	-11.73	H12	3	03-13-2001	13:38:16
024	00		0	0.00	0.00		2	-5.20	-14.52	H13	1	03-13-2001	13:39:44
025	00		0	0.00	0.00		21	13.80	38.54	H13	3	03-13-2001	13:41:13
	00		0	0.00	0.00		2	-5.20	-14.52	H14	1	03-13-2001	13:42:42
	[illegible]		0	0.00	0.00		4	-3.20	-8.94	H14	3	03-13-2001	13:44:11

Section 5

Package 1
H-3 Removable Beta Contamination
Summary Data Table (including lab reports)

H-3 Removable Beta Contamination Summary Data Table PKG 1

Carrier No.	CPM	Count Time (sec)	Sample Area (cm^2)	Surface	Row	Location	Beta Efficiency	Beta Background (cpm)	Activity ($dpm/100cm^2$)	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)
1	67	60	100	01P01	H-1	00001	0.335	0.00	200	200	8
1	53	60	100	01P01	H-1	00003	0.427	0.00	124	124	6
7	40	60	100	01P01	H-10	00001	0.365	0.00	110	110	7
8	44	60	100	01P01	H-10	00003	0.389	0.00	113	113	7
9	43	60	100	01P01	H-11	00001	0.339	0.00	127	127	8
10	41	60	100	01P01	H-11	00003	0.312	0.00	132	132	9
11	55	60	100	01P01	H-12	00001	0.451	0.00	122	122	6
12	52	60	100	01P01	H-12	00003	0.262	0.00	198	198	10
1	63	60	100	01P01	H-13	00001	0.445	0.00	142	142	6
2	58	60	100	01P01	H-13	00003	0.439	0.00	132	132	6
3	44	60	100	01P01	H-14	00001	0.439	0.00	100	100	6
4	79	60	100	01P01	H-14	00003	0.297	0.00	266	266	9
1	37	60	100	01P01	H-15	00001	0.464	0.00	80	80	6
2	35	60	100	01P01	H-15	00003	0.405	0.00	86	86	7
3	39	60	100	01P01	H-16	00001	0.506	0.00	77	77	5
4	51	60	100	01P01	H-16	00003	0.554	0.00	92	92	5
5	41	60	100	01P01	H-17	00001	0.499	0.00	82	82	5
6	46	60	100	01P01	H-17	00003	0.394	0.00	117	117	7
7	40	60	100	01P01	H-18	00001	0.360	0.00	111	111	8
8	47	60	100	01P01	H-18	00003	0.433	0.00	109	109	6
9	51	60	100	01P01	H-19	00001	0.451	0.00	113	113	6
10	29	60	100	01P01	H-19	00003	0.421	0.00	69	69	6
2	54	60	100	01P01	H-2	00001	0.427	0.00	126	126	6
3	127	60	100	01P01	H-2	00003	0.365	0.00	348	348	7
11	34	60	100	01P01	H-20	00001	0.389	0.00	87	87	7
12	40	60	100	01P01	H-20	00003	0.445	0.00	90	90	6
2	66	60	100	01P01	H-21	00001	0.332	0.00	199	199	8
3	50	60	100	01P01	H-21	00003	0.222	0.00	226	226	12
4	62	60	100	01P01	H-22	00001	0.311	0.00	199	199	9
5	74	60	100	01P01	H-22	00003	0.177	0.00	417	417	15
4	44	60	100	01P01	H-3	00001	0.379	0.00	116	116	7
5	56	60	100	01P01	H-3	00003	0.356	0.00	157	157	8
6	44	60	100	01P01	H-4	00001	0.439	0.00	100	100	6
7	40	60	100	01P01	H-4	00003	0.399	0.00	100	100	7
8	53	60	100	01P01	H-5	00001	0.514	0.00	103	103	5

H-3 Removable Beta Contamination Summary Data Table PKG 1

Carrier No.	CPM	Count Time (sec)	Sample Area (cm^2)	Surface	Row	Location	Beta Efficiency	Beta Background (cpm)	Activity ($dpm/100cm^2$)	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)
9	51	60	100	01P01	H-5	00003	0.410	0.00	124	124	7
10	41	60	100	01P01	H-6	00001	0.439	0.00	93	93	6
11	40	60	100	01P01	H-6	00003	0.352	0.00	114	114	8
1	85	60	100	01P01	H-7	00001	0.571	0.00	149	149	5
2	35	60	100	01P01	H-7	00003	0.356	0.00	98	98	8
3	49	60	100	01P01	H-8	00001	0.399	0.00	123	123	7
4	50	60	100	01P01	H-8	00003	0.339	0.00	148	148	8
5	53	60	100	01P01	H-9	00001	0.360	0.00	147	147	8
6	77	60	100	01P01	H-9	00003	0.421	0.00	183	183	6
									# Measurements	44	
									Average	140	
									Maximum	417	
									STD DEV	68	
									95% CL on Mean	163	

058

USER: 1 ID:SMEARS PRESET TIME: 1.00 THU 15 MAR 2001 08:02
SAMPLE REPEAT: 1 CYCLE REPEAT: 1 SCR:N RS232:N
H#: 1 AQC:N QCF:N RCM:N 2 PHASE MONITOR:N
CHANNEL 1-LL: 0 UL: 400 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
CHANNEL 2-LL: 0 UL: 670 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
CHANNEL 3-LL: 0 UL:1000 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0

SINGLE LABEL DPM, SET UP ON TUE 01 MAY 2000 09:55
UNKNOWN ID: UNKNOWN REPLICATES: 1
UNKNOWN NORM FACTOR:Q 1.00000 UNKNOWN UNITS:DPM
QUENCH MODE:H CALCULATE COEFF:N HALF LIFE(DAYS): 4506.000
QUENCH COEFF A: 5.844260 B:-0.0297871 C:0.00011449 D:-0.0000002290
STANDARD ID:
QUENCH LIMITS LOW:110.0 HIGH:316.0

SAM	POS	CH	CPM	2SIG%	TIME	EL TIME	AVG H#			ERR
1	3- 1	1	37.00	32.88	1.00	1.31	96.0			114
		2	74.00	23.25						
		3	93.00	20.74						
					%EFF:46.40	ISO1 DPM	:79.74626	H15	2	
2	3- 2	1	35.00	33.81	1.00	2.78	106.0			114
		2	66.00	24.62						
		3	88.00	21.32						
					%EFF:40.47	ISO1 DPM	:86.48965	H15	3	
3	3- 3	1	39.00	32.03	1.00	4.27	90.0			114
		2	68.00	24.25						
		3	92.00	20.85						
					%EFF:50.59	ISO1 DPM	:77.08292	H16	2	
4	3- 4	1	51.00	28.01	1.00	5.77	84.0			114
		2	82.00	22.09						
		3	110.00	19.07						
					%EFF:55.38	ISO1 DPM	:92.08733	H16	3	
5	3- 5	1	41.00	31.23	1.00	7.26	91.0			114
		2	70.00	23.90						
		3	110.00	19.07						
					%EFF:49.86	ISO1 DPM	:82.23518	H17	2	
6	3- 6	1	46.00	29.49	1.00	8.75	108.0			114
		2	78.00	22.65						
		3	100.00	20.00						
					%EFF:39.42	ISO1 DPM	:116.7018	H17	3	
7	3- 7	1	40.00	31.62	1.00	10.24	115.0			
		2	68.00	24.25						
		3	93.00	20.74						
					%EFF:36.04	ISO1 DPM	:110.9916	H18	2	
8	3- 8	1	47.00	29.17	1.00	11.73	101.0			114
		2	85.00	21.69						
		3	110.00	19.07						
					%EFF:43.28	ISO1 DPM	:108.5899	H18	3	
9	3- 9	1	51.00	28.01	1.00	13.19	98.0			114
		2	73.00	23.41						
		3	99.00	20.10						
					%EFF:45.11	ISO1 DPM	:113.0509	H19	2	

SAM	POS	CH	CPM	2SIG%	TIME	EL TIME	AVG H#			ERR
10	3-10	1	29.00	37.14	1.00	14.68	103.0			114
		2	64.00	25.00						
		3	96.00	20.41						
					%EFF:42.12	ISO1 DPM	:68.84704	H19	3	
11	3-11	1	34.00	34.30	1.00	16.17	109.0			114
		2	65.00	24.81						
		3	94.00	20.63						
					%EFF:38.91	ISO1 DPM	:87.38919	H20	2	
12	3-12	1	40.00	31.62	1.00	17.66	99.0			114
		2	72.00	23.57						
		3	97.00	20.31						
					%EFF:44.49	ISO1 DPM	:89.90826	H20	3	

USER: 1 ID:SMEARS PRESET TIME: 1.00 TUE 13 MAR 2001 12:02
SAMPLE REPEAT: 1 CYCLE REPEAT: 1 SCR:N RS232:N
H#: 1 AQC:N QCF:N RCM:N 2 PHASE MONITOR:N
CHANNEL 1-LL: 0 UL: 400 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
CHANNEL 2-LL: 0 UL: 670 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
CHANNEL 3-LL: 0 UL:1000 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0

SINGLE LABEL DPM, SET UP ON TUE 01 MAY 2000 09:55
UNKNOWN ID: UNKNOWN REPLICATES: 1
UNKNOWN NORM FACTOR:Q 1.00000 UNKNOWN UNITS:DPM
QUENCH MODE:H CALCULATE COEFF:N HALF LIFE(DAYS): 4506.000
QUENCH COEFF A: 5.844260 B:-0.0297871 C:0.00011449 D:-0.0000002290
STANDARD ID:
QUENCH LIMITS LOW:110.0 HIGH:316.0

SAM	POS	CH	CPM	2SIG%	TIME	EL TIME	AVG	H#			ERR
1	3- 1	1	53.00	27.47	1.00	1.32	102.0				114
		2	92.00	20.85							
		3	122.00	18.11							
					%EFF:42.70	ISO1 DPM	:124.1320	H1	3		
2	3- 2	1	54.00	27.22	1.00	2.82	102.0				114
		2	82.00	22.09							
		3	113.00	18.81							
					%EFF:42.70	ISO1 DPM	:126.4741	H2	1		
3	3- 3	1	127.00	17.75	1.00	4.32	114.0				
		2	167.00	15.48							
		3	201.00	14.11							
					%EFF:36.49	ISO1 DPM	:347.9944	H2	3		
4	3- 4	1	44.00	30.15	1.00	5.82	111.0				
		2	76.00	22.94							
		3	102.00	19.80							
					%EFF:37.91	ISO1 DPM	:116.0509	H3	1		
5	3- 5	1	56.00	26.73	1.00	7.32	116.0				
		2	100.00	20.00							
		3	118.00	18.41							
					%EFF:35.59	ISO1 DPM	:157.3430	H3	3		
6	3- 6	1	44.00	30.15	1.00	8.82	100.0				114
		2	78.00	22.65							
		3	97.00	20.31							
					%EFF:43.88	ISO1 DPM	:100.2747	H4	1		
7	3- 7	1	40.00	31.62	1.00	10.30	107.0				114
		2	73.00	23.41							
		3	102.00	19.80							
					%EFF:39.94	ISO1 DPM	:100.1576	H4	3		
8	3- 8	1	53.00	27.47	1.00	11.80	89.0				114
		2	81.00	22.22							
		3	106.00	19.43							
					%EFF:51.35	ISO1 DPM	:103.2151	H5	1		
9	3- 9	1	81.00	28.01	1.00	13.30	105.0				114
		2	78.00	22.65							
		3	119.00	18.33							
					%EFF:41.01	ISO1 DPM	:124.3660	H5	3		

[illegible]	DE	C	CPM	2LTR%	TIME	EL TIME	AVG	H#	ERR
[illegible]	[illegible]	[illegible]	[illegible]	31.23	1.00	14.79	100.0		114
			[illegible]	25.61					
			[illegible]	31.74					
					%EFF:43.88	ISO1 DPM	:93.43775	H6	1
[illegible]	[illegible]		[illegible]	31.62	1.00	16.29	117.0		
			[illegible]	22.22					
			[illegible]	15.65					
					%EFF:35.15	ISO1 DPM	:113.7945	H6	3

[illegible] ID:WMEARE PRERET TIME: 1.00 TUE 13 MAR 2001 12:32
[illegible] RMPCNT: 1 SINGLE REPEAT: 1 SCR:N RS232:N
[illegible] AGC:N GCF:N RCM:N 2 PHASE MONITOR:N
[illegible] 0 [illegible] 400 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
[illegible] 0 [illegible] 670 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
[illegible] 0 [illegible] 1000 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0

[illegible] LAST DPM, SET UP ON TUE 01 MAY 2000 09:55
[illegible] ID: UNKNOWN REPLICATES: 1
[illegible] FACTOR @ 1.00000 UNKNOWN UNITS:DPM
[illegible] CALCULATE COEFF:N HALF LIFE(DAYS): 4506.000
[illegible] A: [illegible]44260 B:-0.0297871 C:0.00011449 D:-0.0000002290
[illegible]
[illegible] LOW: [illegible] HIGH:316.0

									ERR
			25.00	21.69	1.00	1.32	82.0		114
			117.00	14.41					
			147.00	14.41					
					%EFF:57.13	ISO1 DPM	:148.7893	H7 1	
2	3- 2	1	35.00	33.81	1.00	2.82	116.0		
		2	80.00	22.36					
		3	104.00	19.61					
					%EFF:35.59	ISO1 DPM	:98.33939	H7 3	
3	3- 3	1	49.00	28.57	1.00	4.31	107.0		114
		2	85.00	21.69					
		3	115.00	18.65					
					%EFF:39.94	ISO1 DPM	:122.6931	H8 1	
	3- 4	1	50.00	28.28	1.00	5.81	120.0		
		2	79.00	22.50					
		3	100.00	20.00					
					%EFF:33.88	ISO1 DPM	:147.5901	H8 3	
5	3- 5	1	53.00	27.47	1.00	7.28	115.0		
		2	84.00	21.82					
		3	116.00	18.57					
					%EFF:36.04	ISO1 DPM	:147.0638	H9 1	
6	3- 6	1	77.00	22.79	1.00	8.78	103.0		114
		2	105.00	19.52					
		3	133.00	17.34					
					%EFF:42.12	ISO1 DPM	:182.8008	H9 3	
7	3- 7	1	40.00	31.62	1.00	10.27	114.0		
		2	79.00	22.50					
		3	115.00	18.65					
					%EFF:36.49	ISO1 DPM	:109.6045	H10 1	
8	3- 8	1	44.00	30.15	1.00	11.77	109.0		114
		2	83.00	21.95					
		3	126.00	17.82					
					%EFF:38.91	ISO1 DPM	:113.0919	H10 3	
9	3- 9	1	43.00	30.50	1.00	13.25	120.0		
		2	59.00	26.04					
		3	89.00	21.20					
					%EFF:33.88	ISO1 DPM	:126.9275	H11 1	

SAM	POS	CH	CPM	2SIG%	TIME	EL TIME	AVG H#			ERR
10	3-10	1	41.00	31.23	1.00	14.74	127.0			
		2	71.00	23.74						
		3	101.00	19.90						
					%EFF:	31.15	ISO1 DPM	:131.6193	H 11 3	
11	3-11	1	55.00	26.97	1.00	16.23	98.0			114
		2	93.00	20.74						
		3	122.00	18.11						
					%EFF:	45.11	ISO1 DPM	:121.9177	H 12 1	
12	3-12	1	52.00	27.74	1.00	17.72	142.0			
		2	78.00	22.65						
		3	101.00	19.90						
					%EFF:	26.24	ISO1 DPM	:198.1536	H 12 3	

USER: 1 ID:SMEARS PRESET TIME: 1.00 TUE 13 MAR 2001 12:57
SAMPLE REPEAT: 1 CYCLE REPEAT: 1 SCR:N RS232:N
H#: 1 AQC:N QCF:N RCM:N 2 PHASE MONITOR:N
CHANNEL 1-LL: 0 UL: 400 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
CHANNEL 2-LL: 0 UL: 670 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
CHANNEL 3-LL: 0 UL:1000 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0

SINGLE LABEL DPM, SET UP ON TUE 01 MAY 2000 09:55
UNKNOWN ID: UNKNOWN REPLICATES: 1
UNKNOWN NORM FACTOR:Q 1.00000 UNKNOWN UNITS:DPM
QUENCH MODE:H CALCULATE COEFF:N HALF LIFE(DAYS): 4506.000
QUENCH COEFF A: 5.844260 B:-0.0297871 C:0.00011449 D:-0.0000002290
STANDARD ID:
QUENCH LIMITS LOW:110.0 HIGH:316.0

SAM	POS	CH	CPM	2SIG%	TIME	EL TIME	AVG	H#			ERR
1	3- 1	1	63.00	25.20	1.00	1.32	99.0				114
		2	93.00	20.74							
		3	126.00	17.82							
					%EFF:44.49	ISO1 DPM		:141.6055	H13	1	
2	3- 2	1	58.00	26.26	1.00	2.81	100.0				114
		2	89.00	21.20							
		3	130.00	17.54							
					%EFF:43.88	ISO1 DPM		:132.1802	H13	3	
3	3- 3	1	44.00	30.15	1.00	4.29	100.0				114
		2	71.00	23.74							
		3	113.00	18.81							
					%EFF:43.88	ISO1 DPM		:100.2747	H14	1	
	3- 4	1	79.00	22.50	1.00	5.79	131.0				
		2	114.00	18.73							
		3	136.00	17.15							
					%EFF:29.73	ISO1 DPM		:265.7396	H14	3	

USER: 1 ID:SMEARS PRESET TIME: 1.00 THU 23 AUG 2001 16:51
SAMPLE REPEAT: 1 CYCLE REPEAT: 1 SCR:N RS232:N
P"" 1 AQC:N QCF:N RCM:N 2 PHASE MONITOR:N
CHANNEL 1-LL: 0 UL: 400 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
CHANNEL 2-LL: 0 UL: 670 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
CHANNEL 3-LL: 0 UL:1000 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0

SINGLE LABEL DPM, SET UP ON SUN 24 JUN 2001 16:19
UNKNOWN ID:SMEARS UNKNOWN REPLICATES: 1
UNKNOWN NORM FACTOR:Q 1.00000 UNKNOWN UNITS:DPM
QUENCH MODE:H CALCULATE COEFF:N HALF LIFE(DAYS):N
QUENCH COEFF A: 4.328559 B:-0.0051270 C:-0.0000122 D:-0.0000000212
STANDARD ID:
QUENCH LIMITS LOW:90.00 HIBH:390.0

SAM	POS	CH	CPM	2SIG%	TIME	EL TIME	AVG H#	ERR
1	8- 1	1	67.00	24.43	1.00	1.32	119.0	
		2	102.00	19.80				
H-1, #1		3	138.00	17.03				
					%EFF:33.45	ISO1 DPM	:200.3181	
2	8- 2	1	66.00	24.62	1.00	2.81	120.0	
		2	95.00	20.52				
H-21, #1		3	139.00	16.96				
					%EFF:33.15	ISO1 DPM	:199.1019	
3	8- 3	1	50.00	28.28	1.00	4.30	161.0	
		2	90.00	21.08				
H-21, #3		3	109.00	19.16				
					%EFF:22.16	ISO1 DPM	:225.6067	
	8- 4	1	62.00	25.40	1.00	5.78	127.0	
		2	87.00	21.44				
H-22, #1		3	115.00	18.65				
					%EFF:31.10	ISO1 DPM	:199.3522	
5	8- 5	1	74.00	23.25	1.00	7.28	181.0	
		2	119.00	18.33				
H-22, #3		3	138.00	17.03				
					%EFF:17.73	ISO1 DPM	:417.4039	

Package 01

Performed By: _____ Date: _____
Reviewed By: _____ Date: _____

Performed By: [signature] Date: 8/24/01
Reviewed By: [signature] Date: 8/24/01

Georgia Institute of Technology
Research Reactor

Final Survey Package 2

Reactor Building 2nd Floor Below 2 Meters

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Section 1

Survey Package 2 Worksheet for the 2nd Floor Below 2 Meters

Duratek Inc.
Survey Package Worksheet for 2nd Floor Below 2 Meters
Georgia Institute of Technology Research Reactor

Package Identification No.: **02**	Prepared by: Paul Jones
Location: 2nd Floor	Date prepared: 05/18/2001
Area Classification: Suspect Affected	

Area Description

Reactor Building 2nd Floor. The 2nd floor is 15 feet above the first floor. There is a walkway that runs completely around the circumference of the building. At one point, this walkway is enlarged to form the second floor, which is connected with the top of the reactor. The reactor control room occupies much of the second floor. The second floor may be reached using the elevator or stairs.

Historical Information

Only minor decontamination was required on the floor of this area. No decontamination was required on the walls of the 2nd floor.

General Survey Instructions

Floor and Lower walls of the control room and walkways of the second floor.

1) Ensure the area is gridded as shown on the grid map(s)
2) Perform a 100% beta scan on the floor and lower walls to identify areas of elevated activity.
3) Obtain 1 direct beta measurements for each 1 m^2.
4) Obtain 1 smear for each 1 m^2 of area for removable beta and alpha contamination.
5) Obtain 1 exposure rate measurement at 1 meter above the floor at each corresponding direct beta measurement location.
6) Obtain a minimum of 30 smears for H-3 analysis.

Use only the Package ID, L2, L7 and L8 codes when labeling smears for counting.

Use all location codes provided below when taken fixed beta readings.

Survey Package: 1 continued

Special Instructions
Source check meters to Tc-99 for beta measurements. Use gas flow proportional detector model numbers 43-68 and 43-106 for surveys. The direct beta, smears, and the exposure rate measurements should be taken in the center of each grid. Verify that the MDA is less than 600dpm/100cm2 for direct beta measurements after obtaining initial background. During scanning the detector is to be kept as close to the surface as possible and moved across the surface at a slow speed (scan speed shall not exceed one probe width per sec). The scan should be performed using the audible output and using headphones whenever necessary.

Survey performance (Initial and date as each survey is complete)

Location Code					General Description	Beta Scan	Direct Beta	1 meter Gamma	Smear Gross α/β	LS Smear
L1	L2	L6	L7	L8						
Georgia Tech Research Reactor 2nd Floor Lower Walls and Floor										
A0402	01F01	B0001	A	1 thru 54	Catwalk Floor	5-21-01 DS	(54) 5-22-01 DS	(54) 5-24-01 DS	(54) 5-23-01 JM	(5) 5-25-01 JM
A0402	01W01	B0001	A thru B	1 thru 91	Outer Wall	6-9-01 Ra2	(182) 5-22-01 DS	N/A	*(182) 5-23-01 JM	(10) 5-25-01 JM
A0402	01S01	B9999	ZZZZZ	1 thru 10	ECCS Tank Platform	5-21-01 DS	(10) 5-22-01 DS	N/A	(10) 5-23-01 JM	(1) 5-25-01 JM
A0402	01S02	B9999	ZZZZZ	1 thru 10	Catwalk Handrail	5-21-01 DS	5/29/01 (8) 5-24-01 (10) DS	N/A 5/29/01 (8)	(8) 5-25-01 (10) JM	(1) 5-25-01 JM
A0402	01F02	B9999	A thru I	See Grid Map	Floor O/S Control Rm.	5-21-01 DS	(67) 5-22-01 DS	(67) 5/24/01 DS	(67) 5-23-01 JM	(4) 5-25-01 JM
A0402	02F01	B9999	A thru E	1 thru 6	Control Rm. Floor	5-21-01 DS	(30) 5-22-01 DS	30 5-24-01 DS	(30) 5-23-01 JM	(4) 5-25-01 JM
A0402	02W01	B0001	A thru B	1 thru 6	Control Rm. Wall 1	5-21-01 DS	(12) 5-22-01 DS	N/A	(12) 5-23-01 JM	(1) 5-25-01 JM
A0402	02W02	B0001	A thru B	1 thru 5	Control Rm. Wall 2	5-21-01 DS	(10) 5-22-01 DS	N/A	(10) 5-23-01 JM	(1) 5-25-01 JM

* - See Survey Comments

Survey performance (Initial and date as each survey is complete)										
Location Code					General Description	Beta Scan	Direct Beta	1 meter Gamma	Smear Gross α/β	LS Smear
L1	L2	L6	L7	L8						
Georgia Tech Research Reactor 2nd Floor Lower Walls and Floor										
A0402	02W03	B9999	A thru B	1 thru 6	Control Rm. Wall 3	5-21-01 DS	(12) 5-22-01 DS	N/A	(12) 5-23-01 JM	(1) 5-25-01 JM
A0402	02W04	B0001	A thru B	1 thru 5	Control Rm. Wall 4	5-21-01 DS	(10) 5-22-01 DS	N/A	(10) 5-23-01 JM	(1) 5-25-01 JM
A0402	02EQ1	B9999	A thru B	1 thru 19	Control Rm. Elec. Panel	5-22-01 DS	(38) 5-22-01 DS	N/A	(38) 5-23-01 JM	(1) 5-25-01 JM
A0402	01V01	B9999	ZZZZZ	1 thru 5	Vent Duct 1	5-23-01 DS	(5) 5-22-01 DS	N/A	(5) 5-23-01 JM	(1) 5-25-01 JM
			A							
		N								

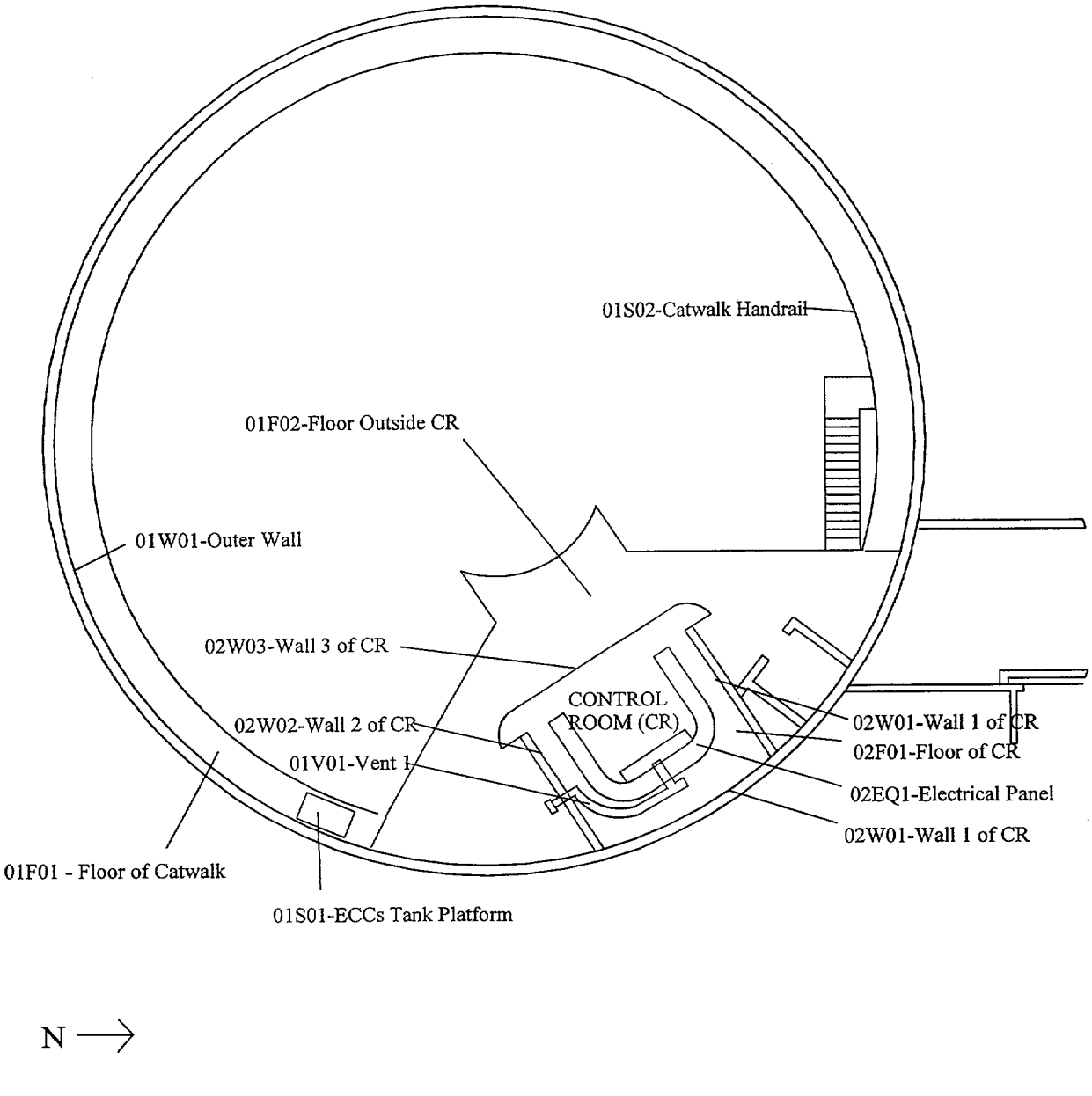
Package Review	
Date Package Completed	5/28/02
Package Reviewed by and Date	Paul Jones 5/28/02

Survey Comments
* 185 smears taken on A04Ø2, Ø1WØ1. 3 additional smears taken on row
C grids 19, 20, & 21 after reclassification of these grids due to grid B-20
removable activity levels. P. Jones 6/20/01

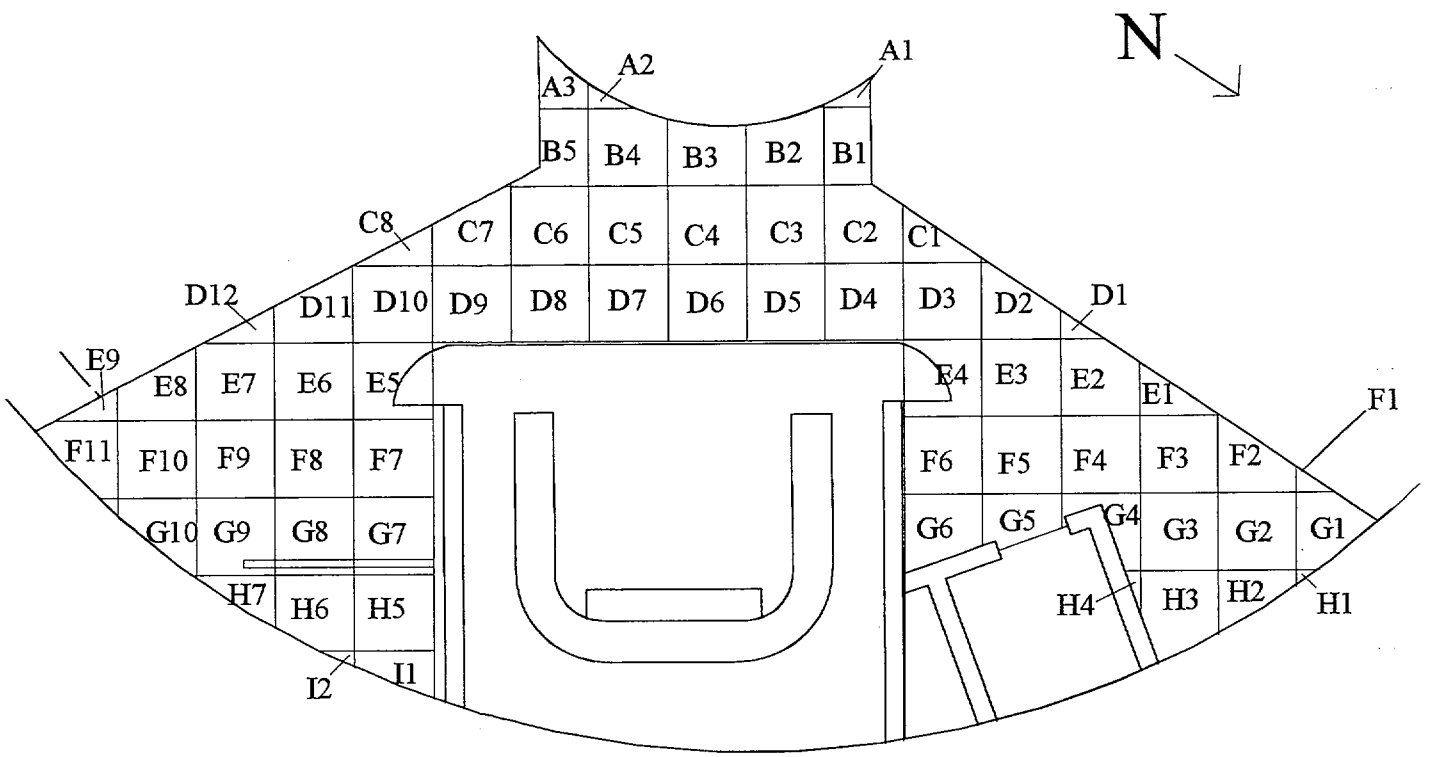
Section 2

Package 2
2nd Floor Control Room Drawings

REACTOR BUILDING 2nd FLOOR BELOW 2 METERS

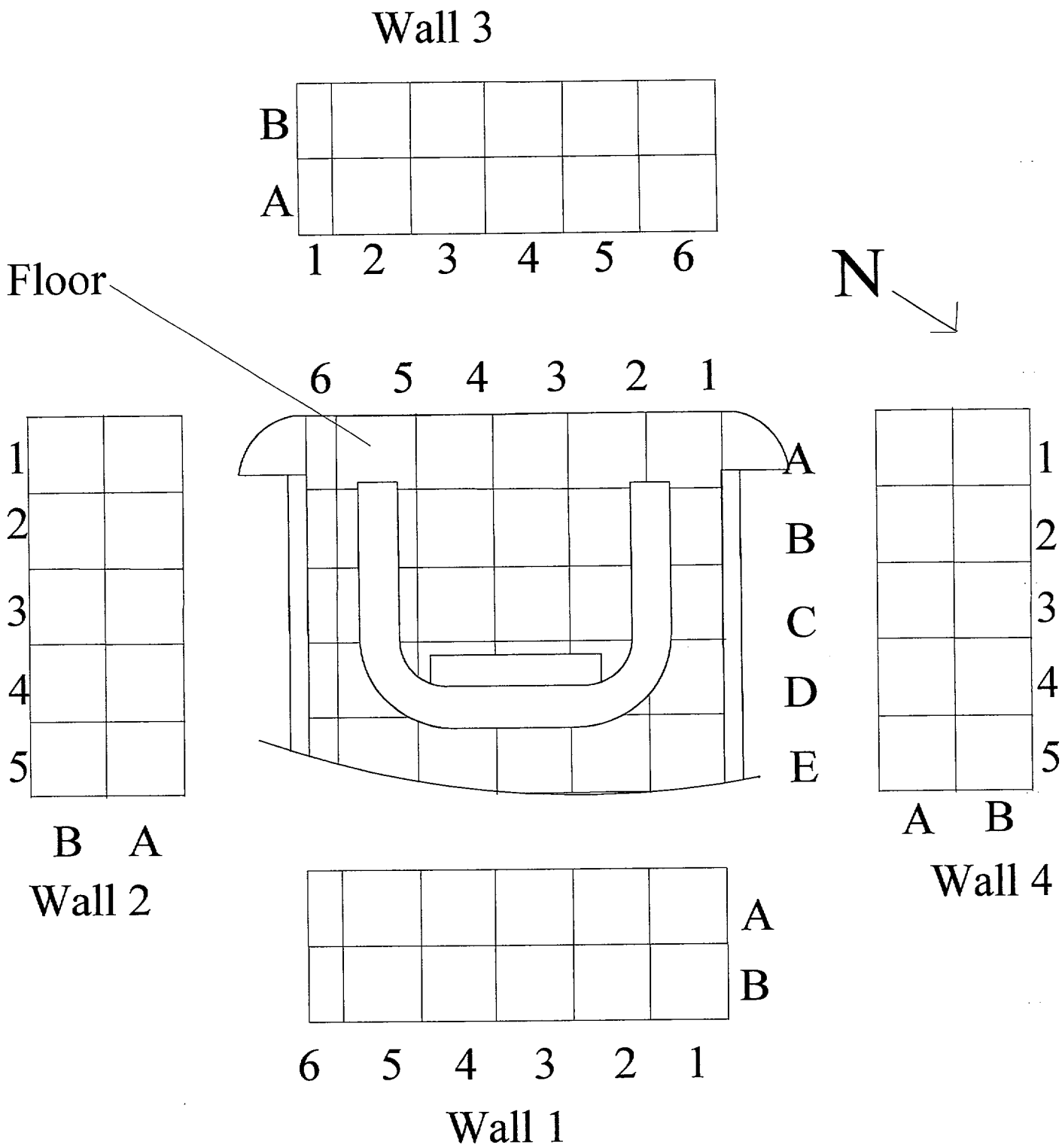


2nd Floor Outside Control Room Floor



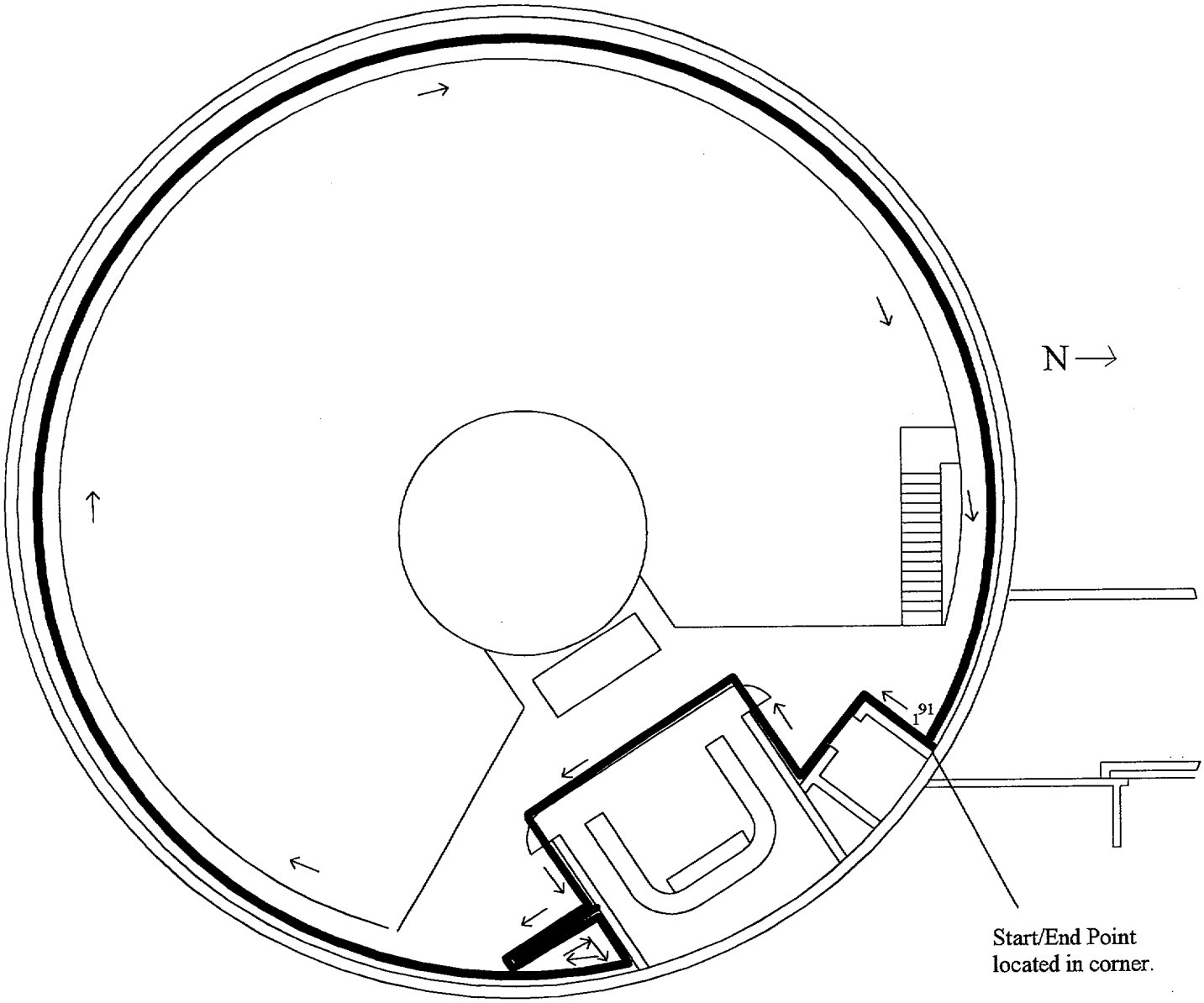
Denotes 1 meter grid

Control Room



– Denotes 1 meter grid

REACTOR BUILDING 2nd FLOOR WALL 1 GRID PATTERN

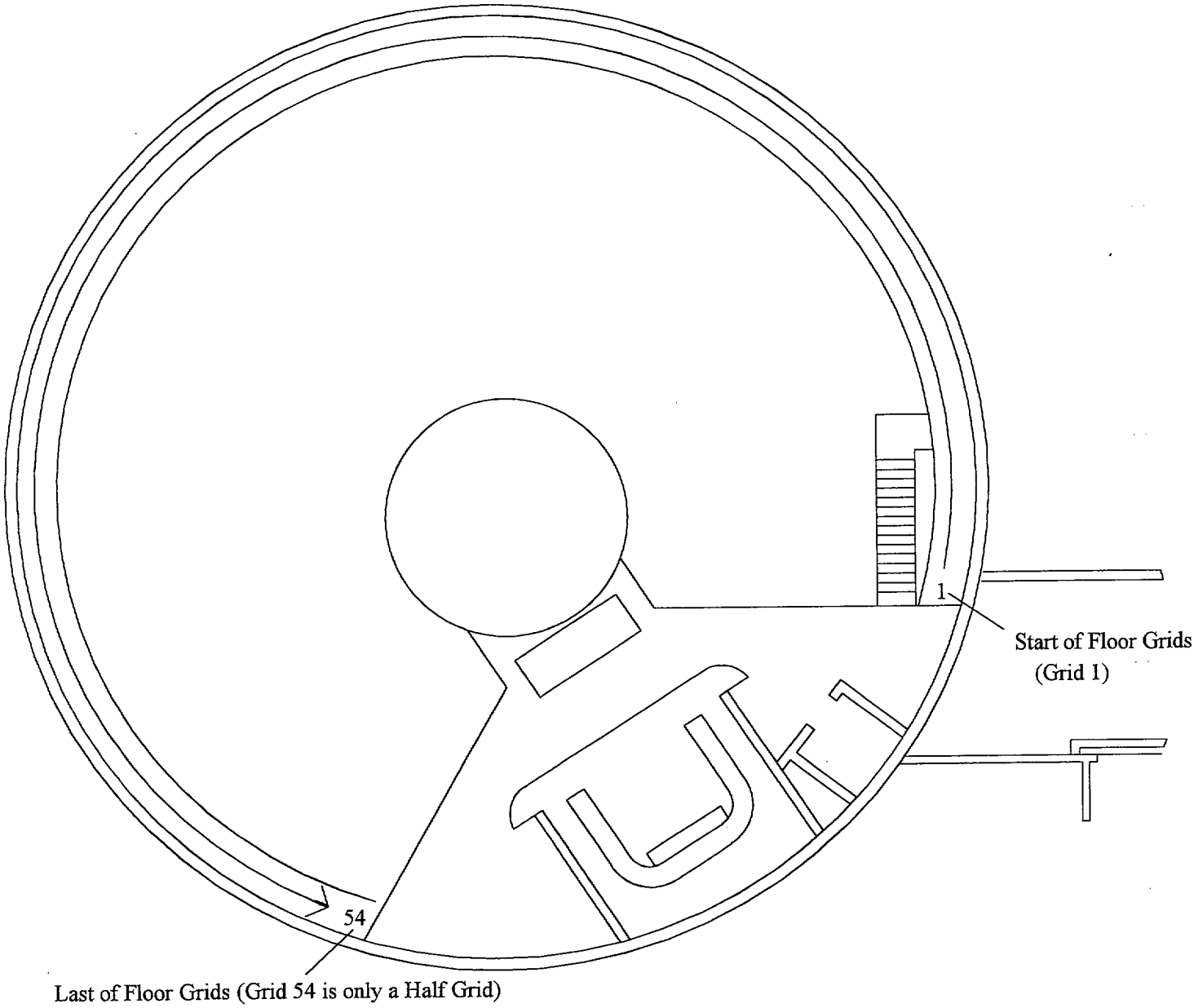


Denotes Outer Wall Path

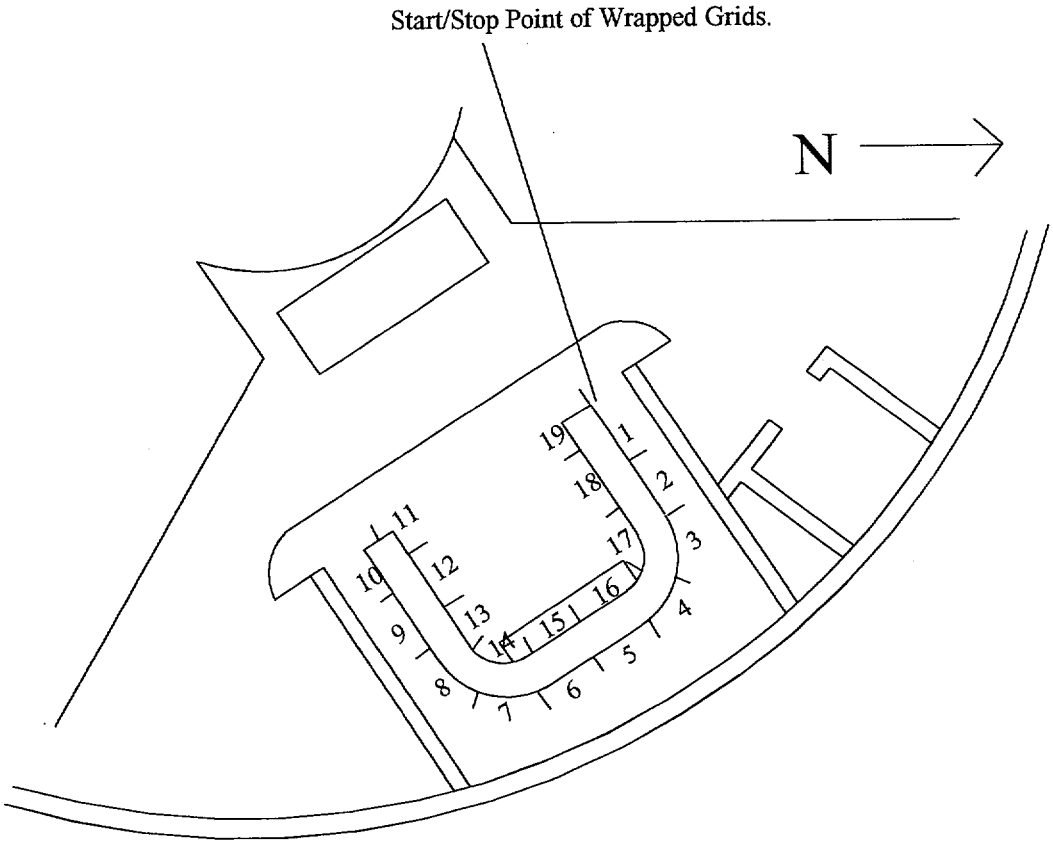
Row A proceeds from floor to 1 meter high and row B proceeds from 1 meter to 2 meters high (91 grids each).

Row C proceeds from 2 meters to 3 meters above floor. Row C contains only 3 grid locations (19, 20, and 21).

REACTOR BUILDING 2nd FLOOR
Catwalk Grid Pattern (A0402, 01F01)

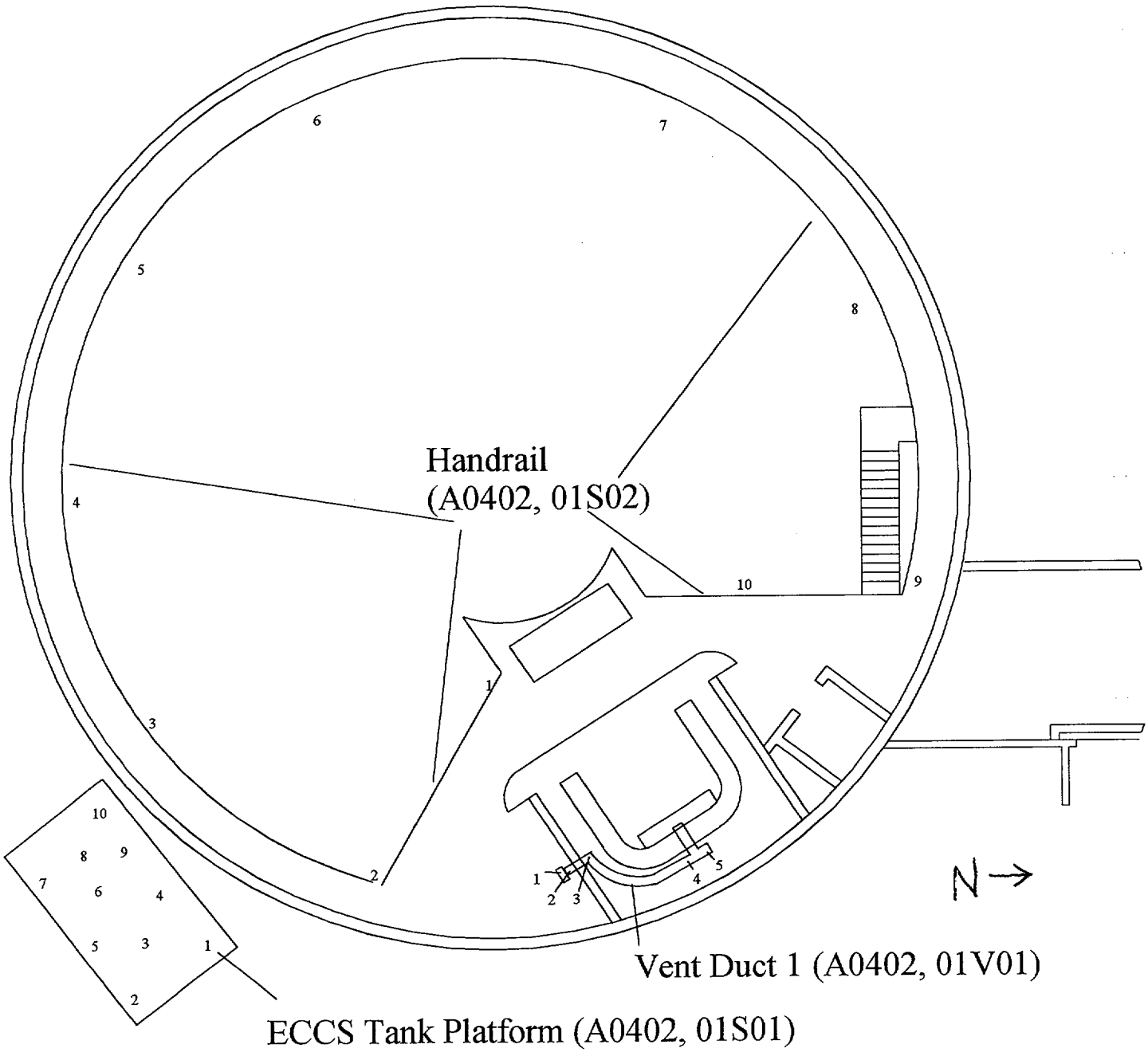


REACTOR BUILDING 2nd FLOOR
Contol Room Elec. Panel (A0402, 02EQ1)



Numbers on Drawing denote L8 code.
Row A proceeds from floor to 1 meter high and row B proceeds from 1 meter to 2 meters high.

REACTOR BUILDING 2nd FLOOR



Section 3

Package 2
Direct Beta Survey Report for the 2nd Floor Below 2 Meters Affected Area (including download reports)

Package 02_A0402 FBSR (2nd Floor Below 2 Meters Affected Areas)

Desc.	File	Sample Number	Gross Counts	Count Time (sec)	Material Type	Detector Area (cm^2)	Surface	Count Type	Row	Location	Efficiency (dpm/cpm)	Background (cpm)	Activity (dpm/100cm^2)	Natural Background (dpm/100cm^2)	Net Activity (dpm/100cm^2)	MDA (dpm/100cm^2)
01F01	122	5	217	20	B0001	126	01F01	FLDCT	A	00001	0.233	509	485	346	139	515
	122	6	235	20	B0001	126	01F01	FLDCT	A	00002	0.233	509	669	346	323	515
	122	7	197	20	B0001	126	01F01	FLDCT	A	00003	0.233	509	281	346	-65	515
	122	8	210	20	B0001	126	01F01	FLDCT	A	00004	0.233	509	414	346	68	515
	122	9	209	20	B0001	126	01F01	FLDCT	A	00005	0.233	509	404	346	58	515
	122	10	210	20	B0001	126	01F01	FLDCT	A	00006	0.233	509	414	346	68	515
	122	11	192	20	B0001	126	01F01	FLDCT	A	00007	0.233	509	230	346	-116	515
	122	12	230	20	B0001	126	01F01	FLDCT	A	00008	0.233	509	618	346	272	515
	122	13	170	20	B0001	126	01F01	FLDCT	A	00009	0.233	509	5	346	-341	515
	122	14	217	20	B0001	126	01F01	FLDCT	A	00010	0.233	509	485	346	139	515
	122	15	183	20	B0001	126	01F01	FLDCT	A	00011	0.233	509	138	346	-208	515
	122	16	223	20	B0001	126	01F01	FLDCT	A	00012	0.233	509	547	346	201	515
	122	17	229	20	B0001	126	01F01	FLDCT	A	00013	0.233	509	608	346	262	515
	122	18	213	20	B0001	126	01F01	FLDCT	A	00014	0.233	509	445	346	99	515
	122	19	217	20	B0001	126	01F01	FLDCT	A	00015	0.233	509	485	346	139	515
	122	20	187	20	B0001	126	01F01	FLDCT	A	00016	0.233	509	179	346	-167	515
	122	21	180	20	B0001	126	01F01	FLDCT	A	00017	0.233	509	107	346	-239	515
	122	22	186	20	B0001	126	01F01	FLDCT	A	00018	0.233	509	169	346	-177	515
	122	23	226	20	B0001	126	01F01	FLDCT	A	00019	0.233	509	577	346	231	515
	122	24	213	20	B0001	126	01F01	FLDCT	A	00020	0.233	509	445	346	99	515
	122	25	194	20	B0001	126	01F01	FLDCT	A	00021	0.233	509	250	346	-96	515
	122	26	192	20	B0001	126	01F01	FLDCT	A	00022	0.233	509	230	346	-116	515
	122	27	229	20	B0001	126	01F01	FLDCT	A	00023	0.233	509	608	346	262	515
	122	28	186	20	B0001	126	01F01	FLDCT	A	00024	0.233	509	169	346	-177	515
	122	29	215	20	B0001	126	01F01	FLDCT	A	00025	0.233	509	465	346	119	515
	122	30	185	20	B0001	126	01F01	FLDCT	A	00026	0.233	509	158	346	-188	515
	122	31	202	20	B0001	126	01F01	FLDCT	A	00027	0.233	509	332	346	-14	515
	122	32	243	20	B0001	126	01F01	FLDCT	A	00028	0.233	509	751	346	405	515
	122	33	200	20	B0001	126	01F01	FLDCT	A	00029	0.233	509	312	346	-34	515
	122	34	206	20	B0001	126	01F01	FLDCT	A	00030	0.233	509	373	346	27	515
	122	35	228	20	B0001	126	01F01	FLDCT	A	00031	0.233	509	598	346	252	515
	122	36	207	20	B0001	126	01F01	FLDCT	A	00032	0.233	509	383	346	37	515
	122	37	238	20	B0001	126	01F01	FLDCT	A	00033	0.233	509	700	346	354	515
	122	38	212	20	B0001	126	01F01	FLDCT	A	00034	0.233	509	434	346	88	515
	122	39	208	20	B0001	126	01F01	FLDCT	A	00035	0.233	509	393	346	47	515
	122	40	210	20	B0001	126	01F01	FLDCT	A	00036	0.233	509	414	346	68	515
	122	41	172	20	B0001	126	01F01	FLDCT	A	00037	0.233	509	26	346	-320	515
	122	42	207	20	B0001	126	01F01	FLDCT	A	00038	0.233	509	383	346	37	515
	122	43	187	20	B0001	126	01F01	FLDCT	A	00039	0.233	509	179	346	-167	515
	122	44	239	20	B0001	126	01F01	FLDCT	A	00040	0.233	509	710	346	364	515
	122	45	217	20	B0001	126	01F01	FLDCT	A	00041	0.233	509	485	346	139	515
	122	46	200	20	B0001	126	01F01	FLDCT	A	00042	0.233	509	312	346	-34	515
	122	47	213	20	B0001	126	01F01	FLDCT	A	00043	0.233	509	445	346	99	515
	122	48	197	20	B0001	126	01F01	FLDCT	A	00044	0.233	509	281	346	-65	515
	122	49	205	20	B0001	126	01F01	FLDCT	A	00045	0.233	509	363	346	17	515
	122	50	197	20	B0001	126	01F01	FLDCT	A	00046	0.233	509	281	346	-65	515
	122	51	199	20	B0001	126	01F01	FLDCT	A	00047	0.233	509	301	346	-45	515
	122	52	206	20	B0001	126	01F01	FLDCT	A	00048	0.233	509	373	346	27	515
	122	53	247	20	B0001	126	01F01	FLDCT	A	00049	0.233	509	792	346	446	515
	122	54	227	20	B0001	126	01F01	FLDCT	A	00050	0.233	509	588	346	242	515
	122	55	205	20	B0001	126	01F01	FLDCT	A	00051	0.233	509	363	346	17	515

017

Package 02_A0402 FBSR (2nd Floor Below 2 Meters Affected Areas)

Desc.	File	Sample Number	Gross Counts	Count Time (sec)	Material Type	Detector Area (cm^2)	Surface	Count Type	Row	Location	Efficiency (dpm/cpm)	Background (cpm)	Activity ($dpm/100cm^2$)	Natural Background ($dpm/100cm^2$)	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)
	122	56	220	20	B0001	126	01F01	FLDCT	A	00052	0.233	509	516	346	170	515
	122	57	229	20	B0001	126	01F01	FLDCT	A	00053	0.233	509	608	346	262	515
	122	58	200	20	B0001	126	01F01	FLDCT	A	00054	0.233	509	312	346	-34	515
01F02	122	60	169	20	B9999	126	01F02	FLDCT	A	00001	0.233	493	47	0	47	466
	122	61	159	20	B9999	126	01F02	FLDCT	A	00002	0.233	493	-55	0	-55	466
	122	62	182	20	B9999	126	01F02	FLDCT	A	00003	0.233	493	180	0	180	466
	122	63	162	20	B9999	126	01F02	FLDCT	B	00001	0.233	493	-24	0	-24	466
	122	64	165	20	B9999	126	01F02	FLDCT	B	00002	0.233	493	6	0	6	466
	122	65	180	20	B9999	126	01F02	FLDCT	B	00003	0.233	493	160	0	160	466
	122	66	161	20	B9999	126	01F02	FLDCT	B	00004	0.233	493	-34	0	-34	466
	122	67	177	20	B9999	126	01F02	FLDCT	B	00005	0.233	493	129	0	129	466
	122	68	207	20	B9999	126	01F02	FLDCT	C	00001	0.233	493	436	0	436	466
	122	69	178	20	B9999	126	01F02	FLDCT	C	00002	0.233	493	139	0	139	466
	122	70	172	20	B9999	126	01F02	FLDCT	C	00003	0.233	493	78	0	78	466
	122	71	187	20	B9999	126	01F02	FLDCT	C	00004	0.233	493	231	0	231	466
	122	72	211	20	B9999	126	01F02	FLDCT	C	00005	0.233	493	477	0	477	466
	122	73	192	20	B9999	126	01F02	FLDCT	C	00006	0.233	493	282	0	282	466
	122	74	157	20	B9999	126	01F02	FLDCT	C	00007	0.233	493	-75	0	-75	466
	122	75	151	20	B9999	126	01F02	FLDCT	C	00008	0.233	493	-137	0	-137	466
	122	76	192	20	B9999	126	01F02	FLDCT	D	00001	0.233	493	282	0	282	466
	122	77	227	20	B9999	126	01F02	FLDCT	D	00002	0.233	493	640	0	640	466
	122	78	198	20	B9999	126	01F02	FLDCT	D	00003	0.233	493	344	0	344	466
	122	79	231	20	B9999	126	01F02	FLDCT	D	00004	0.233	493	681	0	681	466
	122	80	164	20	B9999	126	01F02	FLDCT	D	00005	0.233	493	-4	0	-4	466
	122	81	199	20	B9999	126	01F02	FLDCT	D	00006	0.233	493	354	0	354	466
	122	82	174	20	B9999	126	01F02	FLDCT	D	00007	0.233	493	98	0	98	466
	122	83	190	20	B9999	126	01F02	FLDCT	D	00008	0.233	493	262	0	262	466
	122	84	188	20	B9999	126	01F02	FLDCT	D	00009	0.233	493	242	0	242	466
	122	85	166	20	B9999	126	01F02	FLDCT	D	00010	0.233	493	17	0	17	466
	122	86	193	20	B9999	126	01F02	FLDCT	D	00011	0.233	493	293	0	293	466
	122	87	190	20	B9999	126	01F02	FLDCT	D	00012	0.233	493	262	0	262	466
	122	88	162	20	B9999	126	01F02	FLDCT	E	00001	0.233	493	-24	0	-24	466
	122	89	230	20	B9999	126	01F02	FLDCT	E	00002	0.233	493	671	0	671	466
	122	90	177	20	B9999	126	01F02	FLDCT	E	00003	0.233	493	129	0	129	466
	122	91	181	20	B9999	126	01F02	FLDCT	E	00004	0.233	493	170	0	170	466
	122	92	156	20	B9999	126	01F02	FLDCT	E	00005	0.233	493	-85	0	-85	466
	122	93	203	20	B9999	126	01F02	FLDCT	E	00006	0.233	493	395	0	395	466
	122	94	203	20	B9999	126	01F02	FLDCT	E	00007	0.233	493	395	0	395	466
	122	95	186	20	B9999	126	01F02	FLDCT	E	00008	0.233	493	221	0	221	466
	122	96	157	20	B9999	126	01F02	FLDCT	E	00009	0.233	493	-75	0	-75	466
	122	97	178	20	B9999	126	01F02	FLDCT	F	00001	0.233	493	139	0	139	466
	122	98	181	20	B9999	126	01F02	FLDCT	F	00002	0.233	493	170	0	170	466
	122	99	207	20	B9999	126	01F02	FLDCT	F	00003	0.233	493	436	0	436	466
	122	100	205	20	B9999	126	01F02	FLDCT	F	00004	0.233	493	415	0	415	466
	122	101	182	20	B9999	126	01F02	FLDCT	F	00005	0.233	493	180	0	180	466
	122	102	193	20	B9999	126	01F02	FLDCT	F	00006	0.233	493	293	0	293	466

Desc.	File	Sample Number	Gross Counts	Count Time (sec)	Material Type	Detector Area (cm^2)	Surface	Count Type	Row	Location	Efficiency (dpm/cpm)	Background (cpm)	Activity (dpm/100cm^2)	Natural Background (dpm/100cm^2)	Net Activity (dpm/100cm^2)	MDA (dpm/100cm^2)
	122	103	161	20	B9999	126	01F02	FLDCT	F	00007	0.233	493	-34	0	-34	466
	122	104	162	20	B9999	126	01F02	FLDCT	F	00008	0.233	493	-24	0	-24	466
	122	105	193	20	B9999	126	01F02	FLDCT	F	00009	0.233	493	293	0	293	466
	122	106	166	20	B9999	126	01F02	FLDCT	F	00010	0.233	493	17	0	17	466
	122	107	166	20	B9999	126	01F02	FLDCT	F	00011	0.233	493	17	0	17	466
	122	108	184	20	B9999	126	01F02	FLDCT	G	00001	0.233	493	201	0	201	466
	122	109	204	20	B9999	126	01F02	FLDCT	G	00002	0.233	493	405	0	405	466
	122	110	202	20	B9999	126	01F02	FLDCT	G	00003	0.233	493	385	0	385	466
	122	111	170	20	B9999	126	01F02	FLDCT	G	00004	0.233	493	58	0	58	466
	122	112	193	20	B9999	126	01F02	FLDCT	G	00005	0.233	493	293	0	293	466
	122	113	182	20	B9999	126	01F02	FLDCT	G	00006	0.233	493	180	0	180	466
	122	114	170	20	B9999	126	01F02	FLDCT	G	00007	0.233	493	58	0	58	466
	122	115	178	20	B9999	126	01F02	FLDCT	G	00008	0.233	493	139	0	139	466
	122	116	164	20	B9999	126	01F02	FLDCT	G	00009	0.233	493	-4	0	-4	466
	122	117	180	20	B9999	126	01F02	FLDCT	G	00010	0.233	493	160	0	160	466
	122	118	175	20	B9999	126	01F02	FLDCT	H	00001	0.233	493	109	0	109	466
	122	119	221	20	B9999	126	01F02	FLDCT	H	00002	0.233	493	579	0	579	466
	122	120	209	20	B9999	126	01F02	FLDCT	H	00003	0.233	493	456	0	456	466
	122	121	161	20	B9999	126	01F02	FLDCT	H	00004	0.233	493	-34	0	-34	466
	122	122	174	20	B9999	126	01F02	FLDCT	H	00005	0.233	493	98	0	98	466
	122	123	187	20	B9999	126	01F02	FLDCT	H	00006	0.233	493	231	0	231	466
	122	124	172	20	B9999	126	01F02	FLDCT	H	00007	0.233	493	78	0	78	466
	122	125	171	20	B9999	126	01F02	FLDCT	I	00001	0.233	493	68	0	68	466
	122	126	175	20	B9999	126	01F02	FLDCT	I	00002	0.233	493	109	0	109	466
02F01	122	127	159	20	B9999	126	02F01	FLDCT	A	00001	0.233	493	-55	0	-55	466
	122	128	165	20	B9999	126	02F01	FLDCT	A	00002	0.233	493	6	0	6	466
	122	129	176	20	B9999	126	02F01	FLDCT	A	00003	0.233	493	119	0	119	466
	122	130	167	20	B9999	126	02F01	FLDCT	A	00004	0.233	493	27	0	27	466
	122	131	173	20	B9999	126	02F01	FLDCT	A	00005	0.233	493	88	0	88	466
	122	132	174	20	B9999	126	02F01	FLDCT	A	00006	0.233	493	98	0	98	466
	122	133	190	20	B9999	126	02F01	FLDCT	B	00001	0.233	493	262	0	262	466
	122	134	163	20	B9999	126	02F01	FLDCT	B	00002	0.233	493	-14	0	-14	466
	122	135	176	20	B9999	126	02F01	FLDCT	B	00003	0.233	493	119	0	119	466
	122	136	187	20	B9999	126	02F01	FLDCT	B	00004	0.233	493	231	0	231	466
	122	137	175	20	B9999	126	02F01	FLDCT	B	00005	0.233	493	109	0	109	466
	122	138	171	20	B9999	126	02F01	FLDCT	B	00006	0.233	493	68	0	68	466
	122	139	160	20	B9999	126	02F01	FLDCT	C	00001	0.233	493	-45	0	-45	466
	122	140	159	20	B9999	126	02F01	FLDCT	C	00002	0.233	493	-55	0	-55	466
	122	141	208	20	B9999	126	02F01	FLDCT	C	00003	0.233	493	446	0	446	466
	122	142	184	20	B9999	126	02F01	FLDCT	C	00004	0.233	493	201	0	201	466
	122	143	158	20	B9999	126	02F01	FLDCT	C	00005	0.233	493	-65	0	-65	466
	122	144	180	20	B9999	126	02F01	FLDCT	C	00006	0.233	493	160	0	160	466
	122	145	211	20	B9999	126	02F01	FLDCT	D	00001	0.233	493	477	0	477	466
	122	146	171	20	B9999	126	02F01	FLDCT	D	00002	0.233	493	68	0	68	466
	122	147	159	20	B9999	126	02F01	FLDCT	D	00003	0.233	493	-55	0	-55	466
	122	148	160	20	B9999	126	02F01	FLDCT	D	00004	0.233	493	-45	0	-45	466
	122	149	155	20	B9999	126	02F01	FLDCT	D	00005	0.233	493	-96	0	-96	466

019

Desc.	File	Sample Number	Gross Counts	Count Time (sec)	Material Type	Detector Area (cm^2)	Surface	Count Type	Row	Location	Efficiency (dpm/cpm)	Background (cpm)	Activity (dpm/100cm^2)	Natural Background (dpm/100cm^2)	Net Activity (dpm/100cm^2)	MDA (dpm/100cm^2)
	122	150	179	20	B9999	126	02F01	FLDCT	D	00006	0.233	493	150	0	150	466
	122	151	173	20	B9999	126	02F01	FLDCT	E	00001	0.233	493	88	0	88	466
	122	152	175	20	B9999	126	02F01	FLDCT	E	00002	0.233	493	109	0	109	466
	122	153	181	20	B9999	126	02F01	FLDCT	E	00003	0.233	493	170	0	170	466
	122	154	180	20	B9999	126	02F01	FLDCT	E	00004	0.233	493	160	0	160	466
	122	155	178	20	B9999	126	02F01	FLDCT	E	00005	0.233	493	139	0	139	466
	122	156	194	20	B9999	126	02F01	FLDCT	E	00006	0.233	493	303	0	303	466
02W01	122	158	178	20	B0001	126	02W01	FLDCT	A	00001	0.233	488	158	346	-188	507
	122	159	165	20	B0001	126	02W01	FLDCT	A	00002	0.233	488	26	346	-320	507
	122	160	194	20	B0001	126	02W01	FLDCT	A	00003	0.233	488	322	346	-24	507
	122	161	200	20	B0001	126	02W01	FLDCT	A	00004	0.233	488	383	346	37	507
	122	162	188	20	B0001	126	02W01	FLDCT	A	00005	0.233	488	261	346	-85	507
	122	163	167	20	B0001	126	02W01	FLDCT	A	00006	0.233	488	46	346	-300	507
	122	164	172	20	B0001	126	02W01	FLDCT	B	00001	0.233	488	97	346	-249	507
	122	165	147	20	B0001	126	02W01	FLDCT	B	00002	0.233	488	-158	346	-504	507
	122	166	147	20	B0001	126	02W01	FLDCT	B	00003	0.233	488	-158	346	-504	507
	122	167	213	20	B0001	126	02W01	FLDCT	B	00004	0.233	488	516	346	170	507
	122	168	184	20	B0001	126	02W01	FLDCT	B	00005	0.233	488	220	346	-126	507
	122	169	153	20	B0001	126	02W01	FLDCT	B	00006	0.233	488	-97	346	-443	507
02W02	122	170	172	20	B0001	126	02W02	FLDCT	A	00001	0.233	488	97	346	-249	507
	122	171	177	20	B0001	126	02W02	FLDCT	A	00002	0.233	488	148	346	-198	507
	122	172	183	20	B0001	126	02W02	FLDCT	A	00003	0.233	488	209	346	-137	507
	122	173	170	20	B0001	126	02W02	FLDCT	A	00004	0.233	488	77	346	-269	507
	122	174	123	20	B9999	126	02W02	FLDCT	A	00005	0.233	488	-404	0	-404	463
	122	175	171	20	B0001	126	02W02	FLDCT	B	00001	0.233	488	87	346	-259	507
	122	176	161	20	B0001	126	02W02	FLDCT	B	00002	0.233	488	-15	346	-361	507
	122	177	157	20	B0001	126	02W02	FLDCT	B	00003	0.233	488	-56	346	-402	507
	122	178	190	20	B0001	126	02W02	FLDCT	B	00004	0.233	488	281	346	-65	507
	122	179	129	20	B9999	126	02W02	FLDCT	B	00005	0.233	488	-342	0	-342	463
02W03	122	191	158	20	B9999	126	02W03	FLDCT	A	00001	0.233	425	166	0	166	435
	122	192	114	20	B9999	126	02W03	FLDCT	A	00002	0.233	425	-284	0	-284	435
	122	193	126	20	B9999	126	02W03	FLDCT	A	00003	0.233	425	-161	0	-161	435
	122	194	139	20	B9999	126	02W03	FLDCT	A	00004	0.233	425	-29	0	-29	435
	122	195	141	20	B9999	126	02W03	FLDCT	A	00005	0.233	425	-8	0	-8	435
	122	196	143	20	B9999	126	02W03	FLDCT	A	00006	0.233	425	12	0	12	435
	122	197	136	20	B9999	126	02W03	FLDCT	B	00001	0.233	425	-59	0	-59	435
	122	198	147	20	B9999	126	02W03	FLDCT	B	00002	0.233	425	53	0	53	435
	122	199	132	20	B9999	126	02W03	FLDCT	B	00003	0.233	425	-100	0	-100	435
	122	200	172	20	B9999	126	02W03	FLDCT	B	00004	0.233	425	309	0	309	435

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Package 02_A0402 FBSR (2nd Floor Below 2 Meters Affected Areas)

Desc.	File	Sample Number	Gross Counts	Count Time (sec)	Material Type	Detector Area (cm^2)	Surface	Count Type	Row	Location	Efficiency (dpm/cpm)	Background (cpm)	Activity ($dpm/100cm^2$)	Natural Background ($dpm/100cm^2$)	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)
	122	201	113	20	B9999	126	02W03	FLDCT	B	00005	0.233	425	-294	0	-294	435
	122	202	149	20	B9999	126	02W03	FLDCT	B	00006	0.233	425	74	0	74	435
02W04	122	180	128	20	B9999	126	02W04	FLDCT	A	00001	0.233	425	-141	0	-141	435
	122	181	175	20	B0001	126	02W04	FLDCT	A	00002	0.233	425	339	346	-7	481
	122	182	174	20	B0001	126	02W04	FLDCT	A	00003	0.233	425	329	346	-17	481
	122	183	171	20	B0001	126	02W04	FLDCT	A	00004	0.233	425	298	346	-48	481
	122	184	169	20	B0001	126	02W04	FLDCT	A	00005	0.233	425	278	346	-68	481
	122	185	135	20	B9999	126	02W04	FLDCT	B	00001	0.233	425	-69	0	-69	435
	122	186	184	20	B0001	126	02W04	FLDCT	B	00002	0.233	425	431	346	85	481
	122	187	195	20	B0001	126	02W04	FLDCT	B	00003	0.233	425	544	346	198	481
	122	188	174	20	B0001	126	02W04	FLDCT	B	00004	0.233	425	329	346	-17	481
	122	189	205	20	B0001	126	02W04	FLDCT	B	00005	0.233	425	646	346	300	481
01S01	122	251	136	20	B9999	126	01S01	FLDCT	ZZZZZ	00001	0.233	493	-290	0	-290	466
	122	252	198	20	B9999	126	01S01	FLDCT	ZZZZZ	00002	0.233	493	344	0	344	466
	122	253	175	20	B9999	126	01S01	FLDCT	ZZZZZ	00003	0.233	493	109	0	109	466
	122	254	178	20	B9999	126	01S01	FLDCT	ZZZZZ	00004	0.233	493	139	0	139	466
	122	255	301	20	B9999	126	01S01	FLDCT	ZZZZZ	00005	0.233	493	1396	0	1396	466
	122	256	219	20	B9999	126	01S01	FLDCT	ZZZZZ	00006	0.233	493	558	0	558	466
	122	257	162	20	B9999	126	01S01	FLDCT	ZZZZZ	00007	0.233	493	-24	0	-24	466
	122	258	174	20	B9999	126	01S01	FLDCT	ZZZZZ	00008	0.233	493	98	0	98	466
	122	259	156	20	B9999	126	01S01	FLDCT	ZZZZZ	00009	0.233	493	-85	0	-85	466
	122	260	291	20	B9999	126	01S01	FLDCT	ZZZZZ	00010	0.233	493	1294	0	1294	466
02EQ1	122	203	122	20	B9999	126	02EQ1	FLDCT	A	00001	0.233	375	-31	0	-31	410
	122	204	132	20	B9999	126	02EQ1	FLDCT	A	00002	0.233	375	71	0	71	410
	122	205	137	20	B9999	126	02EQ1	FLDCT	A	00003	0.233	375	122	0	122	410
	122	206	108	20	B9999	126	02EQ1	FLDCT	A	00004	0.233	375	-174	0	-174	410
	122	207	136	20	B9999	126	02EQ1	FLDCT	A	00005	0.233	375	112	0	112	410
	122	208	131	20	B9999	126	02EQ1	FLDCT	A	00006	0.233	375	61	0	61	410
	122	209	138	20	B9999	126	02EQ1	FLDCT	A	00007	0.233	375	132	0	132	410
	122	210	128	20	B9999	126	02EQ1	FLDCT	A	00008	0.233	375	30	0	30	410
	122	211	145	20	B9999	126	02EQ1	FLDCT	A	00009	0.233	375	204	0	204	410
	122	212	118	20	B9999	126	02EQ1	FLDCT	A	00010	0.233	375	-72	0	-72	410
	122	213	120	20	B9999	126	02EQ1	FLDCT	A	00011	0.233	375	-52	0	-52	410
	122	214	122	20	B9999	126	02EQ1	FLDCT	A	00012	0.233	375	-31	0	-31	410
	122	215	137	20	B9999	126	02EQ1	FLDCT	A	00013	0.233	375	122	0	122	410
	122	216	136	20	B9999	126	02EQ1	FLDCT	A	00014	0.233	375	112	0	112	410
	122	217	142	20	B9999	126	02EQ1	FLDCT	A	00015	0.233	375	173	0	173	410
	122	218	136	20	B9999	126	02EQ1	FLDCT	A	00016	0.233	375	112	0	112	410
	122	219	116	20	B9999	126	02EQ1	FLDCT	A	00017	0.233	375	-93	0	-93	410

Package 02_A0402 FBSR (2nd Floor Below 2 Meters Affected Areas)

Desc.	File	Sample Number	Gross Counts	Count Time (sec)	Material Type	Detector Area (cm^2)	Surface	Count Type	Row	Location	Efficiency (dpm/cpm)	Background (cpm)	Activity ($dpm/100cm^2$)	Natural Background ($dpm/100cm^2$)	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)
	122	220	132	20	B9999	126	02EQ1	FLDCT	A	00018	0.233	375	71	0	71	410
	122	221	123	20	B9999	126	02EQ1	FLDCT	A	00019	0.233	375	-21	0	-21	410
	122	222	133	20	B9999	126	02EQ1	FLDCT	B	00001	0.233	375	81	0	81	410
	122	223	134	20	B9999	126	02EQ1	FLDCT	B	00002	0.233	375	91	0	91	410
	122	224	142	20	B9999	126	02EQ1	FLDCT	B	00003	0.233	375	173	0	173	410
	122	225	160	20	B9999	126	02EQ1	FLDCT	B	00004	0.233	375	357	0	357	410
	122	226	116	20	B9999	126	02EQ1	FLDCT	B	00005	0.233	375	-93	0	-93	410
	122	227	139	20	B9999	126	02EQ1	FLDCT	B	00006	0.233	375	142	0	142	410
	122	228	132	20	B9999	126	02EQ1	FLDCT	B	00007	0.233	375	71	0	71	410
	122	229	141	20	B9999	126	02EQ1	FLDCT	B	00008	0.233	375	163	0	163	410
	122	230	129	20	B9999	126	02EQ1	FLDCT	B	00009	0.233	375	40	0	40	410
	122	231	157	20	B9999	126	02EQ1	FLDCT	B	00010	0.233	375	326	0	326	410
	122	232	171	20	B9999	126	02EQ1	FLDCT	B	00011	0.233	375	469	0	469	410
	122	233	132	20	B9999	126	02EQ1	FLDCT	B	00012	0.233	375	71	0	71	410
	122	234	140	20	B9999	126	02EQ1	FLDCT	B	00013	0.233	375	153	0	153	410
	122	235	153	20	B9999	126	02EQ1	FLDCT	B	00014	0.233	375	285	0	285	410
	122	236	143	20	B9999	126	02EQ1	FLDCT	B	00015	0.233	375	183	0	183	410
	122	237	148	20	B9999	126	02EQ1	FLDCT	B	00016	0.233	375	234	0	234	410
	122	238	147	20	B9999	126	02EQ1	FLDCT	B	00017	0.233	375	224	0	224	410
	122	239	118	20	B9999	126	02EQ1	FLDCT	B	00018	0.233	375	-72	0	-72	410
	122	240	137	20	B9999	126	02EQ1	FLDCT	B	00019	0.233	375	122	0	122	410
01V01	123	190	218	20	B9999	126	01V01	FLDCT	ZZZZZ	00001	0.210	390	1000	0	1000	463
	123	191	193	20	B9999	126	01V01	FLDCT	ZZZZZ	00002	0.210	390	716	0	716	463
	123	192	181	20	B9999	126	01V01	FLDCT	ZZZZZ	00003	0.210	390	580	0	580	463
	123	193	244	20	B9999	126	01V01	FLDCT	ZZZZZ	00004	0.210	390	1294	0	1294	463
	123	194	200	20	B9999	126	01V01	FLDCT	ZZZZZ	00005	0.210	390	796	0	796	463
01W01	123	7	165	20	B0001	126	01W01	FLDCT	A	00001	0.210	397	370	346	24	515
	123	8	175	20	B0001	126	01W01	FLDCT	A	00002	0.210	397	484	346	138	515
	123	9	141	20	B0001	126	01W01	FLDCT	A	00003	0.210	397	98	346	-248	515
	123	10	115	20	B9999	126	01W01	FLDCT	A	00004	0.210	397	-197	0	-197	467
	123	11	157	20	B0001	126	01W01	FLDCT	A	00005	0.210	397	280	346	-66	515
	123	12	174	20	B0001	126	01W01	FLDCT	A	00006	0.210	397	472	346	126	515
	123	13	159	20	B0001	126	01W01	FLDCT	A	00007	0.210	397	302	346	-44	515
	123	14	139	20	B0001	126	01W01	FLDCT	A	00008	0.210	397	76	346	-270	515
	123	15	127	20	B9999	126	01W01	FLDCT	A	00009	0.210	397	-60	0	-60	467
	123	16	130	20	B9999	126	01W01	FLDCT	A	00010	0.210	397	-26	0	-26	467
	123	17	133	20	B9999	126	01W01	FLDCT	A	00011	0.210	397	8	0	8	467
	123	18	126	20	B9999	126	01W01	FLDCT	A	00012	0.210	397	-72	0	-72	467
	123	19	106	20	B9999	126	01W01	FLDCT	A	00013	0.210	397	-299	0	-299	467
	123	20	107	20	B9999	126	01W01	FLDCT	A	00014	0.210	397	-287	0	-287	467
	123	21	116	20	B9999	126	01W01	FLDCT	A	00015	0.210	397	-185	0	-185	467

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Package 02_A0402 FBSR (2nd Floor Below 2 Meters Affected Areas)

Desc.	File	Sample Number	Gross Counts	Count Time (sec)	Material Type	Detector Area (cm^2)	Surface	Count Type	Row	Location	Efficiency (dpm/cpm)	Background (cpm)	Activity (dpm/100cm^2)	Natural Background (dpm/100cm^2)	Net Activity (dpm/100cm^2)	MDA (dpm/100cm^2)
	123	22	162	20	B0001	126	01W01	FLDCT	A	00016	0.210	397	336	346	-10	515
	123	23	165	20	B0001	126	01W01	FLDCT	A	00017	0.210	397	370	346	24	515
	123	24	150	20	B9999	126	01W01	FLDCT	A	00018	0.210	397	200	0	200	467
	123	25	153	20	B9999	126	01W01	FLDCT	A	00019	0.210	397	234	0	234	467
	123	26	125	20	B9999	126	01W01	FLDCT	A	00020	0.210	397	-83	0	-83	467
	123	27	130	20	B9999	126	01W01	FLDCT	A	00021	0.210	397	-26	0	-26	467
	123	28	155	20	B9999	126	01W01	FLDCT	A	00022	0.210	397	257	0	257	467
	123	29	159	20	B0001	126	01W01	FLDCT	A	00023	0.210	397	302	346	-44	515
	123	30	154	20	B0001	126	01W01	FLDCT	A	00024	0.210	397	246	346	-100	515
	123	31	169	20	B0001	126	01W01	FLDCT	A	00025	0.210	397	416	346	70	515
	123	32	200	20	B0001	126	01W01	FLDCT	A	00026	0.210	397	767	346	421	515
	123	33	167	20	B0001	126	01W01	FLDCT	A	00027	0.210	397	393	346	47	515
	123	34	203	20	B0001	126	01W01	FLDCT	A	00028	0.210	397	801	346	455	515
	123	35	159	20	B0001	126	01W01	FLDCT	A	00029	0.210	397	302	346	-44	515
	123	36	147	20	B0001	126	01W01	FLDCT	A	00030	0.210	397	166	346	-180	515
	123	37	153	20	B0001	126	01W01	FLDCT	A	00031	0.210	397	234	346	-112	515
	123	38	161	20	B0001	126	01W01	FLDCT	A	00032	0.210	397	325	346	-21	515
	123	39	165	20	B0001	126	01W01	FLDCT	A	00033	0.210	397	370	346	24	515
	123	40	187	20	B0001	126	01W01	FLDCT	A	00034	0.210	397	620	346	274	515
	123	41	160	20	B0001	126	01W01	FLDCT	A	00035	0.210	397	314	346	-32	515
	123	42	154	20	B0001	126	01W01	FLDCT	A	00036	0.210	397	246	346	-100	515
	123	43	150	20	B0001	126	01W01	FLDCT	A	00037	0.210	397	200	346	-146	515
	123	44	172	20	B0001	126	01W01	FLDCT	A	00038	0.210	397	450	346	104	515
	123	45	169	20	B0001	126	01W01	FLDCT	A	00039	0.210	397	416	346	70	515
	123	46	162	20	B0001	126	01W01	FLDCT	A	00040	0.210	397	336	346	-10	515
	123	47	183	20	B0001	126	01W01	FLDCT	A	00041	0.210	397	574	346	228	515
	123	48	147	20	B0001	126	01W01	FLDCT	A	00042	0.210	397	166	346	-180	515
	123	49	145	20	B0001	126	01W01	FLDCT	A	00043	0.210	397	144	346	-202	515
	123	50	162	20	B0001	126	01W01	FLDCT	A	00044	0.210	397	336	346	-10	515
	123	51	152	20	B0001	126	01W01	FLDCT	A	00045	0.210	397	223	346	-123	515
	123	52	156	20	B0001	126	01W01	FLDCT	A	00046	0.210	397	268	346	-78	515
	123	53	143	20	B0001	126	01W01	FLDCT	A	00047	0.210	397	121	346	-225	515
	123	54	165	20	B0001	126	01W01	FLDCT	A	00048	0.210	397	370	346	24	515
	123	55	153	20	B0001	126	01W01	FLDCT	A	00049	0.210	397	234	346	-112	515
	123	56	159	20	B0001	126	01W01	FLDCT	A	00050	0.210	397	302	346	-44	515
	123	57	154	20	B0001	126	01W01	FLDCT	A	00051	0.210	397	246	346	-100	515
	123	58	157	20	B0001	126	01W01	FLDCT	A	00052	0.210	397	280	346	-66	515
	123	59	159	20	B0001	126	01W01	FLDCT	A	00053	0.210	397	302	346	-44	515
	123	60	174	20	B0001	126	01W01	FLDCT	A	00054	0.210	397	472	346	126	515
	123	61	127	20	B0001	126	01W01	FLDCT	A	00055	0.210	397	-60	346	-406	515
	123	62	158	20	B0001	126	01W01	FLDCT	A	00056	0.210	397	291	346	-55	515
	123	63	153	20	B0001	126	01W01	FLDCT	A	00057	0.210	397	234	346	-112	515
	123	64	174	20	B0001	126	01W01	FLDCT	A	00058	0.210	397	472	346	126	515
	123	65	157	20	B0001	126	01W01	FLDCT	A	00059	0.210	397	280	346	-66	515
	123	66	156	20	B0001	126	01W01	FLDCT	A	00060	0.210	397	268	346	-78	515
	123	67	174	20	B0001	126	01W01	FLDCT	A	00061	0.210	397	472	346	126	515
	123	68	149	20	B0001	126	01W01	FLDCT	A	00062	0.210	397	189	346	-157	515
	123	69	148	20	B0001	126	01W01	FLDCT	A	00063	0.210	397	178	346	-168	515
	123	70	158	20	B0001	126	01W01	FLDCT	A	00064	0.210	397	291	346	-55	515
	123	71	161	20	B0001	126	01W01	FLDCT	A	00065	0.210	397	325	346	-21	515
	123	72	172	20	B0001	126	01W01	FLDCT	A	00066	0.210	397	450	346	104	515

Package 02_A0402 FBSR (2nd Floor Below 2 Meters Affected Areas)

Desc.	File	Sample Number	Gross Counts	Count Time (sec)	Material Type	Detector Area (cm^2)	Surface	Count Type	Row	Location	Efficiency (dpm/cpm)	Background (cpm)	Activity (dpm/100cm^2)	Natural Background (dpm/100cm^2)	Net Activity (dpm/100cm^2)	MDA (dpm/100cm^2)
	123	73	146	20	B0001	126	01W01	FLDCT	A	00067	0.210	397	155	346	-191	515
	123	74	147	20	B0001	126	01W01	FLDCT	A	00068	0.210	397	166	346	-180	515
	123	75	171	20	B0001	126	01W01	FLDCT	A	00069	0.210	397	438	346	92	515
	123	76	194	20	B0001	126	01W01	FLDCT	A	00070	0.210	397	699	346	353	515
	123	77	148	20	B0001	126	01W01	FLDCT	A	00071	0.210	397	178	346	-168	515
	123	78	184	20	B0001	126	01W01	FLDCT	A	00072	0.210	397	586	346	240	515
	123	79	150	20	B0001	126	01W01	FLDCT	A	00073	0.210	397	200	346	-146	515
	123	80	154	20	B0001	126	01W01	FLDCT	A	00074	0.210	397	246	346	-100	515
	123	81	141	20	B0001	126	01W01	FLDCT	A	00075	0.210	397	98	346	-248	515
	123	82	143	20	B0001	126	01W01	FLDCT	A	00076	0.210	397	121	346	-225	515
	123	83	144	20	B0001	126	01W01	FLDCT	A	00077	0.210	397	132	346	-214	515
	123	84	163	20	B0001	126	01W01	FLDCT	A	00078	0.210	397	348	346	2	515
	123	85	164	20	B0001	126	01W01	FLDCT	A	00079	0.210	397	359	346	13	515
	123	86	187	20	B0001	126	01W01	FLDCT	A	00080	0.210	397	620	346	274	515
	123	87	146	20	B0001	126	01W01	FLDCT	A	00081	0.210	397	155	346	-191	515
	123	88	167	20	B0001	126	01W01	FLDCT	A	00082	0.210	397	393	346	47	515
	123	89	155	20	B0001	126	01W01	FLDCT	A	00083	0.210	397	257	346	-89	515
	123	90	155	20	B0001	126	01W01	FLDCT	A	00084	0.210	397	257	346	-89	515
	123	91	151	20	B0001	126	01W01	FLDCT	A	00085	0.210	397	212	346	-134	515
	123	92	163	20	B0001	126	01W01	FLDCT	A	00086	0.210	397	348	346	2	515
	123	93	146	20	B0001	126	01W01	FLDCT	A	00087	0.210	397	155	346	-191	515
	123	94	166	20	B0001	126	01W01	FLDCT	A	00088	0.210	397	382	346	36	515
	123	95	163	20	B0001	126	01W01	FLDCT	A	00089	0.210	397	348	346	2	515
	123	96	194	20	B0001	126	01W01	FLDCT	A	00090	0.210	397	699	346	353	515
	123	97	186	20	B0001	126	01W01	FLDCT	A	00091	0.210	397	608	346	262	515
	123	98	145	20	B0001	126	01W01	FLDCT	B	00001	0.210	397	144	346	-202	515
	123	99	151	20	B0001	126	01W01	FLDCT	B	00002	0.210	397	212	346	-134	515
	123	100	160	20	B0001	126	01W01	FLDCT	B	00003	0.210	397	314	346	-32	515
	123	101	113	20	B9999	126	01W01	FLDCT	B	00004	0.210	397	-219	0	-219	467
	123	102	182	20	B0001	126	01W01	FLDCT	B	00005	0.210	397	563	346	217	515
	123	103	174	20	B0001	126	01W01	FLDCT	B	00006	0.210	397	472	346	126	515
	123	104	156	20	B0001	126	01W01	FLDCT	B	00007	0.210	397	268	346	-78	515
	123	105	140	20	B0001	126	01W01	FLDCT	B	00008	0.210	397	87	346	-259	515
	123	106	130	20	B9999	126	01W01	FLDCT	B	00009	0.210	397	-26	0	-26	467
	123	107	118	20	B9999	126	01W01	FLDCT	B	00010	0.210	397	-163	0	-163	467
	123	108	133	20	B9999	126	01W01	FLDCT	B	00011	0.210	397	8	0	8	467
	123	109	104	20	B9999	126	01W01	FLDCT	B	00012	0.210	397	-321	0	-321	467
	123	110	116	20	B9999	126	01W01	FLDCT	B	00013	0.210	397	-185	0	-185	467
	123	111	130	20	B9999	126	01W01	FLDCT	B	00014	0.210	397	-26	0	-26	467
	123	112	151	20	B9999	126	01W01	FLDCT	B	00015	0.210	397	212	0	212	467
	123	113	172	20	B0001	126	01W01	FLDCT	B	00016	0.210	397	450	346	104	515
	123	114	169	20	B0001	126	01W01	FLDCT	B	00017	0.210	397	416	346	70	515
	123	115	138	20	B9999	126	01W01	FLDCT	B	00018	0.210	397	64	0	64	467
	123	116	151	20	B9999	126	01W01	FLDCT	B	00019	0.210	397	212	0	212	467
	123	117	133	20	B9999	126	01W01	FLDCT	B	00020	0.210	397	8	0	8	467
	123	118	142	20	B9999	126	01W01	FLDCT	B	00021	0.210	397	110	0	110	467
	123	119	137	20	B9999	126	01W01	FLDCT	B	00022	0.210	397	53	0	53	467
	123	120	148	20	B0001	126	01W01	FLDCT	B	00023	0.210	397	178	346	-168	515
	123	121	152	20	B0001	126	01W01	FLDCT	B	00024	0.210	397	223	346	-123	515
	123	122	155	20	B0001	126	01W01	FLDCT	B	00025	0.210	397	257	346	-89	515
	123	123	163	20	B0001	126	01W01	FLDCT	B	00026	0.210	397	348	346	2	515

Desc.	File	Sample Number	Gross Counts	Count Time (sec)	Material Type	Detector Area (cm^2)	Surface	Count Type	Row	Location	Efficiency (dpm/cpm)	Background (cpm)	Activity (dpm/100cm^2)	Natural Background (dpm/100cm^2)	Net Activity (dpm/100cm^2)	MDA (dpm/100cm^2)
	123	124	158	20	B0001	126	01W01	FLDCT	B	00027	0.210	397	291	346	-55	515
	123	125	156	20	B0001	126	01W01	FLDCT	B	00028	0.210	397	268	346	-78	515
	123	126	152	20	B0001	126	01W01	FLDCT	B	00029	0.210	397	223	346	-123	515
	123	127	179	20	B0001	126	01W01	FLDCT	B	00030	0.210	397	529	346	183	515
	123	128	173	20	B0001	126	01W01	FLDCT	B	00031	0.210	397	461	346	115	515
	123	129	138	20	B0001	126	01W01	FLDCT	B	00032	0.210	397	64	346	-282	515
	123	130	177	20	B0001	126	01W01	FLDCT	B	00033	0.210	397	506	346	160	515
	123	131	156	20	B0001	126	01W01	FLDCT	B	00034	0.210	397	268	346	-78	515
	123	132	165	20	B0001	126	01W01	FLDCT	B	00035	0.210	397	370	346	24	515
	123	133	160	20	B0001	126	01W01	FLDCT	B	00036	0.210	397	314	346	-32	515
	123	134	139	20	B0001	126	01W01	FLDCT	B	00037	0.210	397	76	346	-270	515
	123	135	138	20	B0001	126	01W01	FLDCT	B	00038	0.210	397	64	346	-282	515
	123	136	158	20	B0001	126	01W01	FLDCT	B	00039	0.210	397	291	346	-55	515
	123	137	145	20	B0001	126	01W01	FLDCT	B	00040	0.210	397	144	346	-202	515
	123	138	148	20	B0001	126	01W01	FLDCT	B	00041	0.210	397	178	346	-168	515
	123	139	167	20	B0001	126	01W01	FLDCT	B	00042	0.210	397	393	346	47	515
	123	140	156	20	B0001	126	01W01	FLDCT	B	00043	0.210	397	268	346	-78	515
	123	141	169	20	B0001	126	01W01	FLDCT	B	00044	0.210	397	416	346	70	515
	123	142	169	20	B0001	126	01W01	FLDCT	B	00045	0.210	397	416	346	70	515
	123	143	151	20	B0001	126	01W01	FLDCT	B	00046	0.210	397	212	346	-134	515
	123	144	159	20	B0001	126	01W01	FLDCT	B	00047	0.210	397	302	346	-44	515
	123	145	152	20	B0001	126	01W01	FLDCT	B	00048	0.210	397	223	346	-123	515
	123	146	134	20	B0001	126	01W01	FLDCT	B	00049	0.210	397	19	346	-327	515
	123	147	134	20	B0001	126	01W01	FLDCT	B	00050	0.210	397	19	346	-327	515
	123	148	155	20	B0001	126	01W01	FLDCT	B	00051	0.210	397	257	346	-89	515
	123	149	155	20	B0001	126	01W01	FLDCT	B	00052	0.210	397	257	346	-89	515
	123	150	148	20	B0001	126	01W01	FLDCT	B	00053	0.210	397	178	346	-168	515
	123	151	180	20	B0001	126	01W01	FLDCT	B	00054	0.210	397	540	346	194	515
	123	152	178	20	B0001	126	01W01	FLDCT	B	00055	0.210	397	518	346	172	515
	123	153	151	20	B0001	126	01W01	FLDCT	B	00056	0.210	397	212	346	-134	515
	123	154	168	20	B0001	126	01W01	FLDCT	B	00057	0.210	397	404	346	58	515
	123	155	160	20	B0001	126	01W01	FLDCT	B	00058	0.210	397	314	346	-32	515
	123	156	155	20	B0001	126	01W01	FLDCT	B	00059	0.210	397	257	346	-89	515
	123	157	187	20	B0001	126	01W01	FLDCT	B	00060	0.210	397	620	346	274	515
	123	158	145	20	B0001	126	01W01	FLDCT	B	00061	0.210	397	144	346	-202	515
	123	159	136	20	B0001	126	01W01	FLDCT	B	00062	0.210	397	42	346	-304	515
	123	160	153	20	B0001	126	01W01	FLDCT	B	00063	0.210	397	234	346	-112	515
	123	161	169	20	B0001	126	01W01	FLDCT	B	00064	0.210	397	416	346	70	515
	123	162	141	20	B0001	126	01W01	FLDCT	B	00065	0.210	397	98	346	-248	515
	123	163	145	20	B0001	126	01W01	FLDCT	B	00066	0.210	397	144	346	-202	515
	123	164	139	20	B0001	126	01W01	FLDCT	B	00067	0.210	397	76	346	-270	515
	123	165	146	20	B0001	126	01W01	FLDCT	B	00068	0.210	397	155	346	-191	515
	123	166	144	20	B0001	126	01W01	FLDCT	B	00069	0.210	397	132	346	-214	515
	123	167	172	20	B0001	126	01W01	FLDCT	B	00070	0.210	397	450	346	104	515
	123	168	166	20	B0001	126	01W01	FLDCT	B	00071	0.210	397	382	346	36	515
	123	169	169	20	B0001	126	01W01	FLDCT	B	00072	0.210	397	416	346	70	515
	123	170	169	20	B0001	126	01W01	FLDCT	B	00073	0.210	397	416	346	70	515
	123	171	178	20	B0001	126	01W01	FLDCT	B	00074	0.210	397	518	346	172	515
	123	172	155	20	B0001	126	01W01	FLDCT	B	00075	0.210	397	257	346	-89	515
	123	173	133	20	B0001	126	01W01	FLDCT	B	00076	0.210	397	8	346	-338	515
	123	174	171	20	B0001	126	01W01	FLDCT	B	00077	0.210	397	438	346	92	515

Package 02_A0402 FBSR (2nd Floor Below 2 Meters Affected Areas)

Desc.	File	Sample Number	Gross Counts	Count Time (sec)	Material Type	Detector Area (cm^2)	Surface	Count Type	Row	Location	Efficiency (dpm/cpm)	Background (cpm)	Activity (dpm/100cm^2)	Natural Background (dpm/100cm^2)	Net Activity (dpm/100cm^2)	MDA (dpm/100cm^2)
	123	175	162	20	B0001	126	01W01	FLDCT	B	00078	0.210	397	336	346	-10	515
	123	176	161	20	B0001	126	01W01	FLDCT	B	00079	0.210	397	325	346	-21	515
	123	177	166	20	B0001	126	01W01	FLDCT	B	00080	0.210	397	382	346	36	515
	123	178	150	20	B0001	126	01W01	FLDCT	B	00081	0.210	397	200	346	-146	515
	123	179	126	20	B0001	126	01W01	FLDCT	B	00082	0.210	397	-72	346	-418	515
	123	180	155	20	B0001	126	01W01	FLDCT	B	00083	0.210	397	257	346	-89	515
	123	181	176	20	B0001	126	01W01	FLDCT	B	00084	0.210	397	495	346	149	515
	123	182	162	20	B0001	126	01W01	FLDCT	B	00085	0.210	397	336	346	-10	515
	123	183	164	20	B0001	126	01W01	FLDCT	B	00086	0.210	397	359	346	13	515
	123	184	148	20	B0001	126	01W01	FLDCT	B	00087	0.210	397	178	346	-168	515
	123	185	125	20	B9999	126	01W01	FLDCT	B	00088	0.210	397	-83	0	-83	467
	123	186	165	20	B9999	126	01W01	FLDCT	B	00089	0.210	397	370	0	370	467
	123	187	178	20	B0001	126	01W01	FLDCT	B	00090	0.210	397	518	346	172	515
	123	188	142	20	B0001	126	01W01	FLDCT	B	00091	0.210	397	110	346	-236	515
01S02	124	5	148	20	B9999	126	01S02	FLDCT	ZZZZZ	00001	0.225	442	7	0	7	458
	124	6	135	20	B9999	126	01S02	FLDCT	ZZZZZ	00002	0.225	442	-131	0	-131	458
	124	7	125	20	B9999	126	01S02	FLDCT	ZZZZZ	00003	0.225	442	-236	0	-236	458
	124	8	148	20	B9999	126	01S02	FLDCT	ZZZZZ	00004	0.225	442	7	0	7	458
	124	9	161	20	B9999	126	01S02	FLDCT	ZZZZZ	00005	0.225	442	145	0	145	458
	124	10	132	20	B9999	126	01S02	FLDCT	ZZZZZ	00006	0.225	442	-162	0	-162	458
	124	11	136	20	B9999	126	01S02	FLDCT	ZZZZZ	00007	0.225	442	-120	0	-120	458
	124	12	161	20	B9999	126	01S02	FLDCT	ZZZZZ	00008	0.225	442	145	0	145	458
	124	13	137	20	B9999	126	01S02	FLDCT	ZZZZZ	00009	0.225	442	-109	0	-109	458
	124	14	148	20	B9999	126	01S02	FLDCT	ZZZZZ	00010	0.225	442	7	0	7	458
														# Measurements	440	
														Average	40	
														Maximum	1396	
														STD DEV	234	
														95% CL on Mean	62	

The "net activity" (dpm/100 cm^2) presented on the following download report is raw data. It has not been corrected, if required, for the natural radioactivity that may be present in materials of construction. In addition the background used to correct for ambient exposure rates, instrument noise, etc. may need to be adjusted if more than one surface type was included in the download.

See the enclosed spreadsheets for the corrected results.

File #122

ATTACHMENT 6.14
SURVEY DOWNLOAD DATA SHEET

Download Print
Technician: Name: D. Schumaker Signature: [signature] Station: 2
File: 122
Serial No. Verification: Model 2350: ☑ Detector: ☑ Problems: ☐ (See Comments)

Survey Technician(s):
Print Name: D. Schumaker User ID DPS 4133 Signature: [signature] Date: 5/22/01

Print Name: _____ User ID _____ Signature: _____ Date: _____

Survey Unit Description: A0402: 2nd Floor Below 2 METERS
(Example: Survey Package + description i.e. D16, Building 43, Area 09, Room 100, Floor - Grid Locations A1 through A7)

Instrument Model and Serial No.: Model 2350 ☐ Model 2350-1 ☑: 126182

Instrument and Detector Calibration Due Dates: Survey Meter: 9-22-01 Detector: 9-23-01

Type Of Survey: ☑ Term Survey ☐ Characterization ☐ Information Only
☐ Other (explain):

Type of Measurement	Detector Serial Number	Detector Model Number	Detector Efficiency	Source Mean BKG Value	Pre & Post Use Info	
					Pre File No.	Post File No.
☐ Beta β		43-106B				
☒ Beta β	095534	43-68B	.233	5859/ 413	122	122
☐ Alpha α		43-68A				
☐ Gamma γ		44-2	N/A			

Local Area Background Measurements (01F01, 01F02, 02F01, 02W01, 02W02, 02W03, 02W04, 02EQ1) MEAN Value in cpm

10 MIN β Beta	1 5085	2 4931	3 4875	4 4254	5 3752	6	427
α Alpha	1	2	3	4	5	6	

COMMENTS: _____

GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

Direct Beta Survey Report, dpm/100 cm2

File Number: 122	Survey Description: A0402:2nd FLOOR BELOW 2 METERS		
Survey Reason: TERMINATION	User ID: DPS4133	Technician name: Don Schumaker	
Instrument Model: M2350-1	S/N: 126182	Calibration Due: 9/22/01	Group: 2
Detector Model: 43-68B	Detector S/N: 095534	Type: 126 cm2 Gas Proportional Detector, Beta Window	
Background: 427 cpm	Beta Efficiency: .233		Survey Date: 5/22/01

Pre and Post source checks are included on this download: Yes ✓ No ___
If No is answered, then list the Download Files which include the Pre and Post source checks.
Pre File #: _____ Post File #: _____

Technician Review:

I have reveiwed this cover sheet and 7 pages of the report, 1 pages of comments, and 1 graph.

I performed this survey: Don Schumaker / [signature] Date: 5/24/01
Print name Signature

and,

I performed this survey: _____ / _____ Date: _____
Print name Signature

Corrections and Reasons:

Comment Resolution:

Survey Reviewed and Approved by: Paul Jones / [signature] Date: 6/1/01
Print name Signature

Survey Date: 5/22/01 Report Date: 5/24/01 Page: 1
File: 122 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number	0
	A0402	01F01	TAT01	02200	Det Cal Due:	9/23/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B0001	ZZZZZ	00000	4	600	5085	278	
						Group Average:	278	
FLDCT	B0001	A	00001	5	20	217	763	
FLDCT	B0001	A	00002	6	20	235	947	
FLDCT	B0001	A	00003	7	20	197	559	
FLDCT	B0001	A	00004	8	20	210	691	
FLDCT	B0001	A	00005	9	20	209	681	
FLDCT	B0001	A	00006	10	20	210	691	
FLDCT	B0001	A	00007	11	20	192	508	
FLDCT	B0001	A	00008	12	20	230	896	
FLDCT	B0001	A	00009	13	20	170	283	
FLDCT	B0001	A	00010	14	20	217	763	
FLDCT	B0001	A	00011	15	20	183	416	
FLDCT	B0001	A	00012	16	20	223	824	
FLDCT	B0001	A	00013	17	20	229	886	
FLDCT	B0001	A	00014	18	20	213	722	
FLDCT	B0001	A	00015	19	20	217	763	
FLDCT	B0001	A	00016	20	20	187	456	
FLDCT	B0001	A	00017	21	20	180	385	
FLDCT	B0001	A	00018	22	20	186	446	
FLDCT	B0001	A	00019	23	20	226	855	
FLDCT	B0001	A	00020	24	20	213	722	
FLDCT	B0001	A	00021	25	20	194	528	
FLDCT	B0001	A	00022	26	20	192	508	
FLDCT	B0001	A	00023	27	20	229	886	
DCT	B0001	A	00024	28	20	186	446	
DCT	B0001	A	00025	29	20	215	743	
FLDCT	B0001	A	00026	30	20	185	436	
FLDCT	B0001	A	00027	31	20	202	610	
FLDCT	B0001	A	00028	32	20	243	1029	
FLDCT	B0001	A	00029	33	20	200	589	
FLDCT	B0001	A	00030	34	20	206	651	
FLDCT	B0001	A	00031	35	20	228	875	
FLDCT	B0001	A	00032	36	20	207	661	
FLDCT	B0001	A	00033	37	20	238	978	
FLDCT	B0001	A	00034	38	20	212	712	
FLDCT	B0001	A	00035	39	20	208	671	
FLDCT	B0001	A	00036	40	20	210	691	
FLDCT	B0001	A	00037	41	20	172	303	
FLDCT	B0001	A	00038	42	20	207	661	
FLDCT	B0001	A	00039	43	20	187	456	
FLDCT	B0001	A	00040	44	20	239	988	
FLDCT	B0001	A	00041	45	20	217	763	
FLDCT	B0001	A	00042	46	20	200	589	
FLDCT	B0001	A	00043	47	20	213	722	
FLDCT	B0001	A	00044	48	20	197	559	
FLDCT	B0001	A	00045	49	20	205	640	
FLDCT	B0001	A	00046	50	20	197	559	
FLDCT	B0001	A	00047	51	20	199	579	
FLDCT	B0001	A	00048	52	20	206	651	
FLDCT	B0001	A	00049	53	20	247	1070	
FLDCT	B0001	A	00050	54	20	227	865	
FLDCT	B0001	A	00051	55	20	205	640	
FLDCT	B0001	A	00052	56	20	220	794	
FLDCT	B0001	A	00053	57	20	229	886	
FLDCT	B0001	A	00054	58	20	200	589	
						Group Average:	677	

* Hi flag set at 1200 dpm/100 cm2

Survey Date: 5/22/01 Report Date: 5/24/01 Page: 2
File: 122 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number	0
	A0402	01F02	TAT01	02200	Det Cal Due:	9/23/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B9999	ZZZZZ	00000	59	600	4931	225	
						Group Average:	225	
FLDCT	B9999	A	00001	60	20	169	272	
FLDCT	B9999	A	00002	61	20	159	170	
FLDCT	B9999	A	00003	62	20	182	405	
FLDCT	B9999	B	00001	63	20	162	201	
FLDCT	B9999	B	00002	64	20	165	232	
FLDCT	B9999	B	00003	65	20	180	385	
FLDCT	B9999	B	00004	66	20	161	191	
FLDCT	B9999	B	00005	67	20	177	354	
FLDCT	B9999	C	00001	68	20	207	661	
FLDCT	B9999	C	00002	69	20	178	364	
FLDCT	B9999	C	00003	70	20	172	303	
FLDCT	B9999	C	00004	71	20	187	456	
FLDCT	B9999	C	00005	72	20	211	702	
FLDCT	B9999	C	00006	73	20	192	508	
FLDCT	B9999	C	00007	74	20	157	150	
FLDCT	B9999	C	00008	75	20	151	89	
FLDCT	B9999	D	00001	76	20	192	508	
FLDCT	B9999	D	00002	77	20	227	865	
FLDCT	B9999	D	00003	78	20	198	569	
FLDCT	B9999	D	00004	79	20	231	906	
FLDCT	B9999	D	00005	80	20	164	221	
FLDCT	B9999	D	00006	81	20	199	579	
FLDCT	B9999	D	00007	82	20	174	324	
FLDCT	B9999	D	00008	83	20	190	487	
FLDCT	B9999	D	00009	84	20	188	467	
FLDCT	B9999	D	00010	85	20	166	242	
FLDCT	B9999	D	00011	86	20	193	518	
FLDCT	B9999	D	00012	87	20	190	487	
FLDCT	B9999	E	00001	88	20	162	201	
FLDCT	B9999	E	00002	89	20	230	896	
FLDCT	B9999	E	00003	90	20	177	354	
FLDCT	B9999	E	00004	91	20	181	395	
FLDCT	B9999	E	00005	92	20	156	140	
FLDCT	B9999	E	00006	93	20	203	620	
FLDCT	B9999	E	00007	94	20	203	620	
FLDCT	B9999	E	00008	95	20	186	446	
FLDCT	B9999	E	00009	96	20	157	150	
FLDCT	B9999	F	00001	97	20	178	364	
FLDCT	B9999	F	00002	98	20	181	395	
FLDCT	B9999	F	00003	99	20	207	661	
FLDCT	B9999	F	00004	100	20	205	640	
FLDCT	B9999	F	00005	101	20	182	405	
FLDCT	B9999	F	00006	102	20	193	518	
FLDCT	B9999	F	00007	103	20	161	191	
FLDCT	B9999	F	00008	104	20	162	201	
FLDCT	B9999	F	00009	105	20	193	518	
FLDCT	B9999	F	00010	106	20	166	242	
FLDCT	B9999	F	00011	107	20	166	242	
FLDCT	B9999	G	00001	108	20	184	426	
FLDCT	B9999	G	00002	109	20	204	630	
FLDCT	B9999	G	00003	110	20	202	610	
FLDCT	B9999	G	00004	111	20	170	283	
FLDCT	B9999	G	00005	112	20	193	518	
FLDCT	B9999	G	00006	113	20	182	405	
FLDCT	B9999	G	00007	114	20	170	283	
FLDCT	B9999	G	00008	115	20	178	364	
FLDCT	B9999	G	00009	116	20	164	221	
FLDCT	B9999	G	00010	117	20	180	385	
FLDCT	B9999	H	00001	118	20	175	334	
FLDCT	B9999	H	00002	119	20	221	804	

* Hi flag set at 1200 dpm/100 cm2

Survey Date: 5/22/01 Report Date: 5/24/01 Page: 3
File: 122 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0402	01F02	TAT01	02200	Det Cal Due: 9/23/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
FLDCT	B9999	H	00003	120	20	209	681	
FLDCT	B9999	H	00004	121	20	161	191	
FLDCT	B9999	H	00005	122	20	174	324	
FLDCT	B9999	H	00006	123	20	187	456	
FLDCT	B9999	H	00007	124	20	172	303	
FLDCT	B9999	I	00001	125	20	171	293	
FLDCT	B9999	I	00002	126	20	175	334	
						Group Average:	413	

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0402	01S01	TAT01	02200	Det Cal Due: 9/23/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
FLDCT	B9999	ZZZZZ	00001	251	20	136	-65	
FLDCT	B9999	ZZZZZ	00002	252	20	198	569	
FLDCT	B9999	ZZZZZ	00003	253	20	175	334	
FLDCT	B9999	ZZZZZ	00004	254	20	178	364	
FLDCT	B9999	ZZZZZ	00005	255	20	301	1621	*
FLDCT	B9999	ZZZZZ	00006	256	20	219	783	
FLDCT	B9999	ZZZZZ	00007	257	20	162	201	
FLDCT	B9999	ZZZZZ	00008	258	20	174	324	
FLDCT	B9999	ZZZZZ	00009	259	20	156	140	
FLDCT	B9999	ZZZZZ	00010	260	20	291	1519	*
						Group Average:	579	

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0402	02EQ1	TAT01	02200	Det Cal Due: 9/23/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
FLDBK	B9999	ZZZZZ	00000	271	600	3752	-176	
						Group Average:	-176	
FLDCT	B9999	A	00001	203	20	122	-208	
FLDCT	B9999	A	00002	204	20	132	-106	
FLDCT	B9999	A	00003	205	20	137	-54	
FLDCT	B9999	A	00004	206	20	108	-351	
FLDCT	B9999	A	00005	207	20	136	-65	
FLDCT	B9999	A	00006	208	20	131	-116	
FLDCT	B9999	A	00007	209	20	138	-44	
FLDCT	B9999	A	00008	210	20	128	-146	
FLDCT	B9999	A	00009	211	20	145	27	
FLDCT	B9999	A	00010	212	20	118	-249	
FLDCT	B9999	A	00011	213	20	120	-228	
FLDCT	B9999	A	00012	214	20	122	-208	
FLDCT	B9999	A	00013	215	20	137	-54	
FLDCT	B9999	A	00014	216	20	136	-65	
FLDCT	B9999	A	00015	217	20	142	-3	
FLDCT	B9999	A	00016	218	20	136	-65	
FLDCT	B9999	A	00017	219	20	116	-269	
FLDCT	B9999	A	00018	220	20	132	-106	
FLDCT	B9999	A	00019	221	20	123	-198	

* Hi flag set at 1200 dpm/100 cm2

Survey Date: 5/22/01 Report Date: 5/24/01 Page: 4
File: 122 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0402	02EQ1	TAT01	02200	Det Cal Due: 9/23/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
FLDCT	B9999	B	00001	222	20	133	-95	
FLDCT	B9999	B	00002	223	20	134	-85	
FLDCT	B9999	B	00003	224	20	142	-3	
FLDCT	B9999	B	00004	225	20	160	181	
FLDCT	B9999	B	00005	226	20	116	-269	
FLDCT	B9999	B	00006	227	20	139	-34	
FLDCT	B9999	B	00007	228	20	132	-106	
FLDCT	B9999	B	00008	229	20	141	-14	
FLDCT	B9999	B	00009	230	20	129	-136	
FLDCT	B9999	B	00010	231	20	157	150	
FLDCT	B9999	B	00011	232	20	171	293	
FLDCT	B9999	B	00012	233	20	132	-106	
FLDCT	B9999	B	00013	234	20	140	-24	
FLDCT	B9999	B	00014	235	20	153	109	
FLDCT	B9999	B	00015	236	20	143	7	
FLDCT	B9999	B	00016	237	20	148	58	
FLDCT	B9999	B	00017	238	20	147	48	
FLDCT	B9999	B	00018	239	20	118	-249	
FLDCT	B9999	B	00019	240	20	137	-54	
						Group Average:	-75	

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0402	02F01	TAT01	02200	Det Cal Due: 9/23/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
FLDCT	B9999	A	00001	127	20	159	170	
FLDCT	B9999	A	00002	128	20	165	232	
FLDCT	B9999	A	00003	129	20	176	344	
FLDCT	B9999	A	00004	130	20	167	252	
FLDCT	B9999	A	00005	131	20	173	313	
FLDCT	B9999	A	00006	132	20	174	324	
FLDCT	B9999	B	00001	133	20	190	487	
FLDCT	B9999	B	00002	134	20	163	211	
FLDCT	B9999	B	00003	135	20	176	344	
FLDCT	B9999	B	00004	136	20	187	456	
FLDCT	B9999	B	00005	137	20	175	334	
FLDCT	B9999	B	00006	138	20	171	293	
FLDCT	B9999	C	00001	139	20	160	181	
FLDCT	B9999	C	00002	140	20	159	170	
FLDCT	B9999	C	00003	141	20	208	671	
FLDCT	B9999	C	00004	142	20	184	426	
FLDCT	B9999	C	00005	143	20	158	160	
FLDCT	B9999	C	00006	144	20	180	385	
FLDCT	B9999	D	00001	145	20	211	702	
FLDCT	B9999	D	00002	146	20	171	293	
FLDCT	B9999	D	00003	147	20	159	170	
FLDCT	B9999	D	00004	148	20	160	181	
FLDCT	B9999	D	00005	149	20	155	129	
FLDCT	B9999	D	00006	150	20	179	375	
FLDCT	B9999	E	00001	151	20	173	313	
FLDCT	B9999	E	00002	152	20	175	334	
FLDCT	B9999	E	00003	153	20	181	395	
FLDCT	B9999	E	00004	154	20	180	385	
FLDCT	B9999	E	00005	155	20	178	364	
FLDCT	B9999	E	00006	156	20	194	528	
						Group Average:	331	

* Hi flag set at 1200 dpm/100 cm2

Survey Date: 5/22/01 Report Date: 5/24/01 Page: 5
File: 122 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0402	02W01	TAT01	02200	Det Cal Due: 9/23/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
FLDBK	B0001	ZZZZZ	00000	157	600	4875	206	
						Group Average:	206	
FLDCT	B0001	A	00001	158	20	178	364	
FLDCT	B0001	A	00002	159	20	165	232	
FLDCT	B0001	A	00003	160	20	194	528	
FLDCT	B0001	A	00004	161	20	200	589	
FLDCT	B0001	A	00005	162	20	188	467	
FLDCT	B0001	A	00006	163	20	167	252	
FLDCT	B0001	B	00001	164	20	172	303	
FLDCT	B0001	B	00002	165	20	147	48	
FLDCT	B0001	B	00003	166	20	147	48	
FLDCT	B0001	B	00004	167	20	213	722	
FLDCT	B0001	B	00005	168	20	184	426	
FLDCT	B0001	B	00006	169	20	153	109	
						Group Average:	341	

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0402	02W02	TAT01	02200	Det Cal Due: 9/23/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
FLDCT	B0001	A	00001	170	20	172	303	
FLDCT	B0001	A	00002	171	20	177	354	
FLDCT	B0001	A	00003	172	20	183	416	
FLDCT	B0001	A	00004	173	20	170	283	
FLDCT	B9999	A	00005	174	20	123	-198	
FLDCT	B0001	B	00001	175	20	171	293	
FLDCT	B0001	B	00002	176	20	161	191	
FLDCT	B0001	B	00003	177	20	157	150	
FLDCT	B0001	B	00004	178	20	190	487	
FLDCT	B9999	B	00005	179	20	129	-136	
						Group Average:	214	

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0402	02W03	TAT01	02200	Det Cal Due: 9/23/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
FLDBK	B9999	ZZZZZ	00000	190	600	4254	-5	
						Group Average:	-5	
FLDCT	B9999	A	00001	191	20	158	160	
FLDCT	B9999	A	00002	192	20	114	-290	
FLDCT	B9999	A	00003	193	20	126	-167	
FLDCT	B9999	A	00004	194	20	139	-34	
FLDCT	B9999	A	00005	195	20	141	-14	
FLDCT	B9999	A	00006	196	20	143	7	
FLDCT	B9999	B	00001	197	20	136	-65	
FLDCT	B9999	B	00002	198	20	147	48	
FLDCT	B9999	B	00003	199	20	132	-106	
FLDCT	B9999	B	00004	200	20	172	303	

* Hi flag set at 1200 dpm/100 cm2

Survey Date: 5/22/01 Report Date: 5/24/01 Page: 6
File: 122 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0402	02W03	TAT01	02200	Det Cal Due: 9/23/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
FLDCT	B9999	B	00005	201	20	113	-300	
FLDCT	B9999	B	00006	202	20	149	68	
						Group Average:	-32	

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0402	02W04	TAT01	02200	Det Cal Due: 9/23/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
FLDCT	B9999	A	00001	180	20	128	-146	
FLDCT	B0001	A	00002	181	20	175	334	
FLDCT	B0001	A	00003	182	20	174	324	
FLDCT	B0001	A	00004	183	20	171	293	
FLDCT	B0001	A	00005	184	20	169	272	
FLDCT	B9999	B	00001	185	20	135	-75	
FLDCT	B0001	B	00002	186	20	184	426	
FLDCT	B0001	B	00003	187	20	195	538	
FLDCT	B0001	B	00004	188	20	174	324	
FLDCT	B0001	B	00005	189	20	205	640	
						Group Average:	293	

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	EZ260	TAT01	02200	Det Cal Due: 9/23/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
PRB00	ZZZZZ	ZZZZZ	00000	1	60	6205	19681	*
PRB00	ZZZZZ	ZZZZZ	00000	2	60	6333	20117	*
PRB00	ZZZZZ	ZZZZZ	00000	3	60	6279	19933	*
						Group Average:	19911	
PTB00	ZZZZZ	ZZZZZ	00000	267	60	6248	19828	*
PTB00	ZZZZZ	ZZZZZ	00000	268	60	6256	19855	*
PTB00	ZZZZZ	ZZZZZ	00000	270	60	6293	19981	*
						Group Average:	19888	

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	ZZZZZ	TAT01	02200	Det Cal Due: 9/23/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	4133	-47	
						Group Average:	-47	
BK	ZZZZZ	ZZZZZ	00000	266	600	4289	6	

* Hi flag set at 1200 dpm/100 cm2

Survey Date: 5/22/01 Report Date: 5/24/01 Page: 7
File: 122 Station: 2

Comments

Survey Code	L1	L2	L3	L4
	ZZZZZ	ZZZZZ	TAT01	02200

Setup Number 0
Det Cal Due: 9/23/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i

Group Average: 6

Total Number of Measurements on this Report: 256

NOTE: This report is grouped by:
Package (L1) (Package number)
Setup number (Detector parameters)
Det Type (L4) (GM pancake-flat surface, Beta 3.5-12" pipe, gamma at 1 m, etc.)
Reason (L3-345) (Char survey, source check, final survey, etc.)
Surface Cat (L2) (Wall, floor, drain, penetration, etc.)
Count Type (L5) (Field count, bkg, pre-, post-, etc.)
Bkgd Sub (L6) (Material code, i.e., wood, iron, concr, etc.)

* Hi flag set at 1200 dpm/100 cm2

GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

5/24/01 Comments Report for File 122 Station: 2

Comment Number	Comment
1	DELETED SAMPLE # 241-250:SEE PACKAGE A0403 FOR OVERHEAD SURVEY
2	DELETED SAMPLE # 261-265: SEE FILE # 123 FOR SURVEY OF VENT DUCT
3	DELETED SAMPLE # 269: SOURCE IN WRONG POSITION

GTS:0143 :C:\PDOX35\M2350\COMMENTS:R1

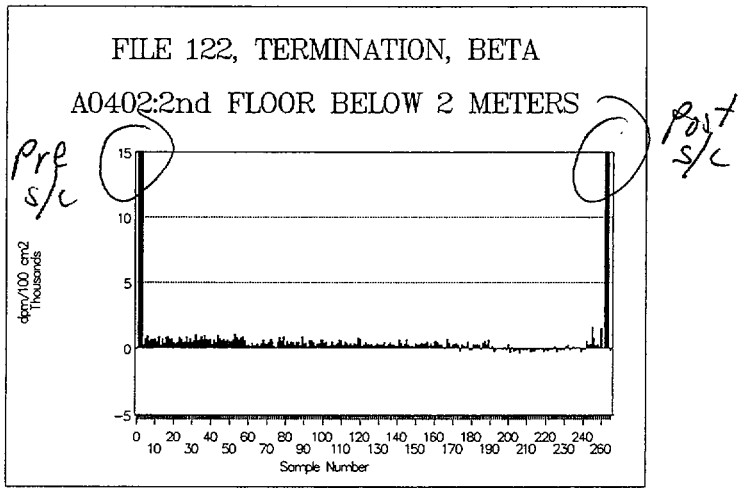
GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

5/24/2001 Graph of File 122 Station: 2

Survey Date: 5/22/2001 Survey Start Time: 09:05:34

Description: A0402:2nd FLOOR BELOW 2 METERS



Flag set for 1200 dpm/100 cm2. Review values greater than this value.

Review this graph for visual outliers.

Mark outliers, source checks and backgrounds on the graph on this page.

Desc.	File	Sample Number	Gross Counts	Count Time (sec)	Material Type	Detector Area (cm^2)	Surface	Count Type	Row	Location	Efficiency	Background (cpm)	Activity ($dpm/100cm^2$)	Natural Background ($dpm/100cm^2$)	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)
Vent 1	123	190	218	20	B9999	126	01V01	FLDCT	ZZZZZ	00001	0.210	390	1000	0	1000	463
	123	191	193	20	B9999	126	01V01	FLDCT	ZZZZZ	00002	0.210	390	716	0	716	463
	123	192	181	20	B9999	126	01V01	FLDCT	ZZZZZ	00003	0.210	390	580	0	580	463
	123	193	244	20	B9999	126	01V01	FLDCT	ZZZZZ	00004	0.210	390	1294	0	1294	463
	123	194	200	20	B9999	126	01V01	FLDCT	ZZZZZ	00005	0.210	390	796	0	796	463
														# Measurements	5	
														Average	877	
														Maximum	1294	
														STD DEV	249	
														95% CL on Mean	1186	
Wall 1	123	7	165	20	B0001	126	01W01	FLDCT	A	00001	0.210	397	370	346	24	515
	123	8	175	20	B0001	126	01W01	FLDCT	A	00002	0.210	397	484	346	138	515
	123	9	141	20	B0001	126	01W01	FLDCT	A	00003	0.210	397	98	346	-248	515
	123	10	115	20	B9999	126	01W01	FLDCT	A	00004	0.210	397	-197	0	-197	467
	123	11	157	20	B0001	126	01W01	FLDCT	A	00005	0.210	397	280	346	-66	515
	123	12	174	20	B0001	126	01W01	FLDCT	A	00006	0.210	397	472	346	126	515
	123	13	159	20	B0001	126	01W01	FLDCT	A	00007	0.210	397	302	346	-44	515
	123	14	139	20	B0001	126	01W01	FLDCT	A	00008	0.210	397	76	346	-270	515
	123	15	127	20	B9999	126	01W01	FLDCT	A	00009	0.210	397	-60	0	-60	467
	123	16	130	20	B9999	126	01W01	FLDCT	A	00010	0.210	397	-26	0	-26	467
	123	17	133	20	B9999	126	01W01	FLDCT	A	00011	0.210	397	8	0	8	467
	123	18	126	20	B9999	126	01W01	FLDCT	A	00012	0.210	397	-72	0	-72	467
	123	19	106	20	B9999	126	01W01	FLDCT	A	00013	0.210	397	-299	0	-299	467
	123	20	107	20	B9999	126	01W01	FLDCT	A	00014	0.210	397	-287	0	-287	467
	123	21	116	20	B9999	126	01W01	FLDCT	A	00015	0.210	397	-185	0	-185	467
	123	22	162	20	B0001	126	01W01	FLDCT	A	00016	0.210	397	336	346	-10	515
	123	23	165	20	B0001	126	01W01	FLDCT	A	00017	0.210	397	370	346	24	515
	123	24	150	20	B9999	126	01W01	FLDCT	A	00018	0.210	397	200	0	200	467
	123	25	153	20	B9999	126	01W01	FLDCT	A	00019	0.210	397	234	0	234	467
	123	26	125	20	B9999	126	01W01	FLDCT	A	00020	0.210	397	-83	0	-83	467
	123	27	130	20	B9999	126	01W01	FLDCT	A	00021	0.210	397	-26	0	-26	467
	123	28	155	20	B9999	126	01W01	FLDCT	A	00022	0.210	397	257	0	257	467
	123	29	159	20	B0001	126	01W01	FLDCT	A	00023	0.210	397	302	346	-44	515
	123	30	154	20	B0001	126	01W01	FLDCT	A	00024	0.210	397	246	346	-100	515
	123	31	169	20	B0001	126	01W01	FLDCT	A	00025	0.210	397	416	346	70	515
	123	32	200	20	B0001	126	01W01	FLDCT	A	00026	0.210	397	767	346	421	515
	123	33	167	20	B0001	126	01W01	FLDCT	A	00027	0.210	397	393	346	47	515
	123	34	203	20	B0001	126	01W01	FLDCT	A	00028	0.210	397	801	346	455	515
	123	35	159	20	B0001	126	01W01	FLDCT	A	00029	0.210	397	302	346	-44	515
	123	36	147	20	B0001	126	01W01	FLDCT	A	00030	0.210	397	166	346	-180	515
	123	37	153	20	B0001	126	01W01	FLDCT	A	00031	0.210	397	234	346	-112	515
	123	38	161	20	B0001	126	01W01	FLDCT	A	00032	0.210	397	325	346	-21	515
	123	39	165	20	B0001	126	01W01	FLDCT	A	00033	0.210	397	370	346	24	515
	123	40	187	20	B0001	126	01W01	FLDCT	A	00034	0.210	397	620	346	274	515
	123	41	160	20	B0001	126	01W01	FLDCT	A	00035	0.210	397	314	346	-32	515
	123	42	154	20	B0001	126	01W01	FLDCT	A	00036	0.210	397	246	346	-100	515
	123	43	150	20	B0001	126	01W01	FLDCT	A	00037	0.210	397	200	346	-146	515
	123	44	172	20	B0001	126	01W01	FLDCT	A	00038	0.210	397	450	346	104	515
	123	45	169	20	B0001	126	01W01	FLDCT	A	00039	0.210	397	416	346	70	515
	123	46	162	20	B0001	126	01W01	FLDCT	A	00040	0.210	397	336	346	-10	515

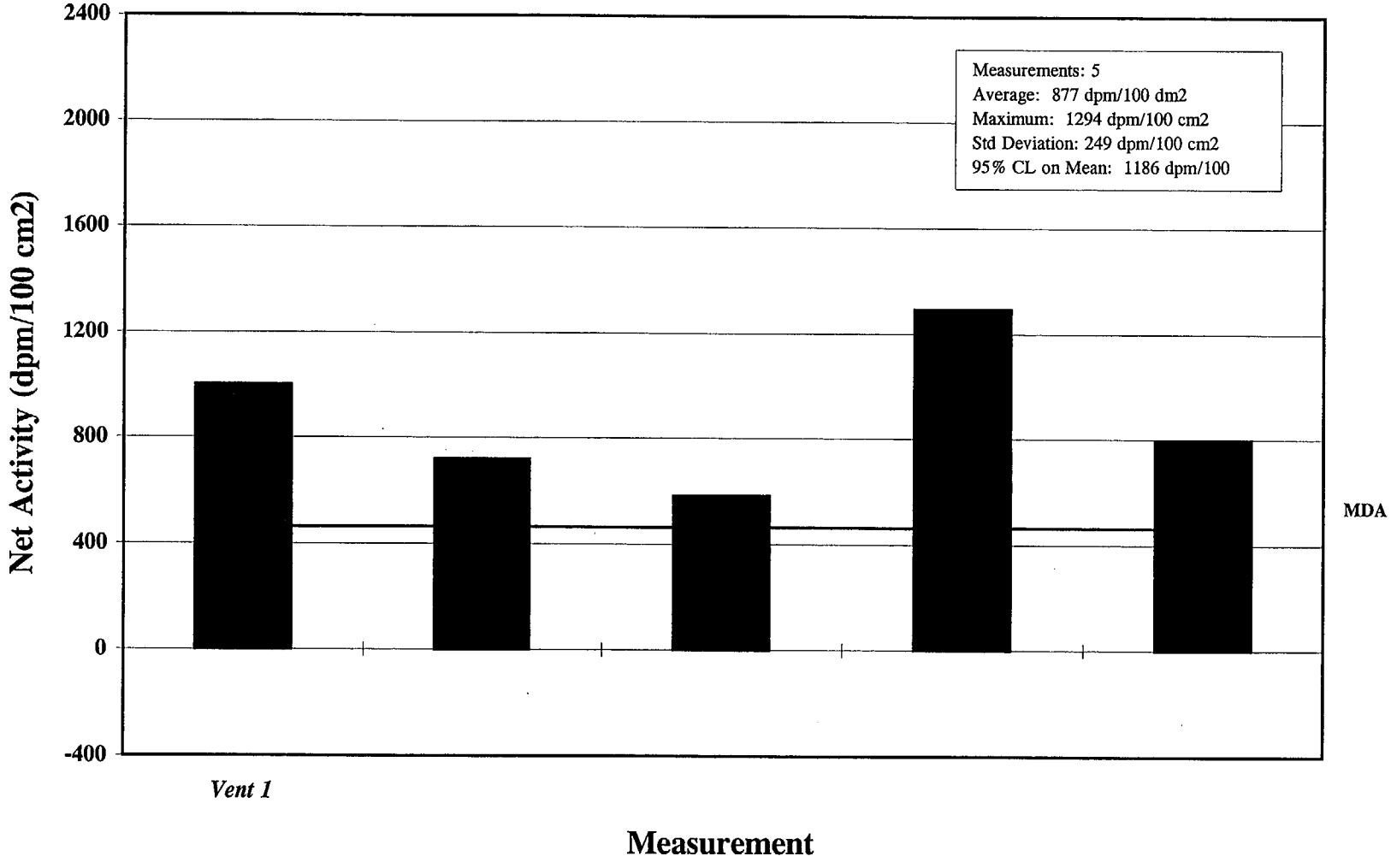
	123	47	183	20	B0001	126	01W01	FLDCT	A	00041	0.210	397	574	346	228	515
	123	48	147	20	B0001	126	01W01	FLDCT	A	00042	0.210	397	166	346	-180	515
	123	49	145	20	B0001	126	01W01	FLDCT	A	00043	0.210	397	144	346	-202	515
	123	50	162	20	B0001	126	01W01	FLDCT	A	00044	0.210	397	336	346	-10	515
	123	51	152	20	B0001	126	01W01	FLDCT	A	00045	0.210	397	223	346	-123	515
	123	52	156	20	B0001	126	01W01	FLDCT	A	00046	0.210	397	268	346	-78	515
	123	53	143	20	B0001	126	01W01	FLDCT	A	00047	0.210	397	121	346	-225	515
	123	54	165	20	B0001	126	01W01	FLDCT	A	00048	0.210	397	370	346	24	515
	123	55	153	20	B0001	126	01W01	FLDCT	A	00049	0.210	397	234	346	-112	515
	123	56	159	20	B0001	126	01W01	FLDCT	A	00050	0.210	397	302	346	-44	515
	123	57	154	20	B0001	126	01W01	FLDCT	A	00051	0.210	397	246	346	-100	515
	123	58	157	20	B0001	126	01W01	FLDCT	A	00052	0.210	397	280	346	-66	515
	123	59	159	20	B0001	126	01W01	FLDCT	A	00053	0.210	397	302	346	-44	515
	123	60	174	20	B0001	126	01W01	FLDCT	A	00054	0.210	397	472	346	126	515
	123	61	127	20	B0001	126	01W01	FLDCT	A	00055	0.210	397	-60	346	-406	515
	123	62	158	20	B0001	126	01W01	FLDCT	A	00056	0.210	397	291	346	-55	515
	123	63	153	20	B0001	126	01W01	FLDCT	A	00057	0.210	397	234	346	-112	515
	123	64	174	20	B0001	126	01W01	FLDCT	A	00058	0.210	397	472	346	126	515
	123	65	157	20	B0001	126	01W01	FLDCT	A	00059	0.210	397	280	346	-66	515
	123	66	156	20	B0001	126	01W01	FLDCT	A	00060	0.210	397	268	346	-78	515
	123	67	174	20	B0001	126	01W01	FLDCT	A	00061	0.210	397	472	346	126	515
	123	68	149	20	B0001	126	01W01	FLDCT	A	00062	0.210	397	189	346	-157	515
	123	69	148	20	B0001	126	01W01	FLDCT	A	00063	0.210	397	178	346	-168	515
	123	70	158	20	B0001	126	01W01	FLDCT	A	00064	0.210	397	291	346	-55	515
	123	71	161	20	B0001	126	01W01	FLDCT	A	00065	0.210	397	325	346	-21	515
	123	72	172	20	B0001	126	01W01	FLDCT	A	00066	0.210	397	450	346	104	515
	123	73	146	20	B0001	126	01W01	FLDCT	A	00067	0.210	397	155	346	-191	515
	123	74	147	20	B0001	126	01W01	FLDCT	A	00068	0.210	397	166	346	-180	515
	123	75	171	20	B0001	126	01W01	FLDCT	A	00069	0.210	397	438	346	92	515
	123	76	194	20	B0001	126	01W01	FLDCT	A	00070	0.210	397	699	346	353	515
	123	77	148	20	B0001	126	01W01	FLDCT	A	00071	0.210	397	178	346	-168	515
	123	78	184	20	B0001	126	01W01	FLDCT	A	00072	0.210	397	586	346	240	515
	123	79	150	20	B0001	126	01W01	FLDCT	A	00073	0.210	397	200	346	-146	515
	123	80	154	20	B0001	126	01W01	FLDCT	A	00074	0.210	397	246	346	-100	515
	123	81	141	20	B0001	126	01W01	FLDCT	A	00075	0.210	397	98	346	-248	515
	123	82	143	20	B0001	126	01W01	FLDCT	A	00076	0.210	397	121	346	-225	515
	123	83	144	20	B0001	126	01W01	FLDCT	A	00077	0.210	397	132	346	-214	515
	123	84	163	20	B0001	126	01W01	FLDCT	A	00078	0.210	397	348	346	2	515
	123	85	164	20	B0001	126	01W01	FLDCT	A	00079	0.210	397	359	346	13	515
	123	86	187	20	B0001	126	01W01	FLDCT	A	00080	0.210	397	620	346	274	515
	123	87	146	20	B0001	126	01W01	FLDCT	A	00081	0.210	397	155	346	-191	515
	123	88	167	20	B0001	126	01W01	FLDCT	A	00082	0.210	397	393	346	47	515
	123	89	155	20	B0001	126	01W01	FLDCT	A	00083	0.210	397	257	346	-89	515
	123	90	155	20	B0001	126	01W01	FLDCT	A	00084	0.210	397	257	346	-89	515
	123	91	151	20	B0001	126	01W01	FLDCT	A	00085	0.210	397	212	346	-134	515
	123	92	163	20	B0001	126	01W01	FLDCT	A	00086	0.210	397	348	346	2	515
	123	93	146	20	B0001	126	01W01	FLDCT	A	00087	0.210	397	155	346	-191	515
	123	94	166	20	B0001	126	01W01	FLDCT	A	00088	0.210	397	382	346	36	515
	123	95	163	20	B0001	126	01W01	FLDCT	A	00089	0.210	397	348	346	2	515
	123	96	194	20	B0001	126	01W01	FLDCT	A	00090	0.210	397	699	346	353	515
	123	97	186	20	B0001	126	01W01	FLDCT	A	00091	0.210	397	608	346	262	515
	123	98	145	20	B0001	126	01W01	FLDCT	B	00001	0.210	397	144	346	-202	515
	123	99	151	20	B0001	126	01W01	FLDCT	B	00002	0.210	397	212	346	-134	515
	123	100	160	20	B0001	126	01W01	FLDCT	B	00003	0.210	397	314	346	-32	515
	123	101	113	20	B9999	126	01W01	FLDCT	B	00004	0.210	397	-219	0	-219	467
	123	102	182	20	B0001	126	01W01	FLDCT	B	00005	0.210	397	563	346	217	515
	123	103	174	20	B0001	126	01W01	FLDCT	B	00006	0.210	397	472	346	126	515

	123	104	156	20	B0001	126	01W01	FLDCT	B	00007	0.210	397	268	346	-78	515
	123	105	140	20	B0001	126	01W01	FLDCT	B	00008	0.210	397	87	346	-259	515
	123	106	130	20	B9999	126	01W01	FLDCT	B	00009	0.210	397	-26	0	-26	467
	123	107	118	20	B9999	126	01W01	FLDCT	B	00010	0.210	397	-163	0	-163	467
	123	108	133	20	B9999	126	01W01	FLDCT	B	00011	0.210	397	8	0	8	467
	123	109	104	20	B9999	126	01W01	FLDCT	B	00012	0.210	397	-321	0	-321	467
	123	110	116	20	B9999	126	01W01	FLDCT	B	00013	0.210	397	-185	0	-185	467
	123	111	130	20	B9999	126	01W01	FLDCT	B	00014	0.210	397	-26	0	-26	467
	123	112	151	20	B9999	126	01W01	FLDCT	B	00015	0.210	397	212	0	212	467
	123	113	172	20	B0001	126	01W01	FLDCT	B	00016	0.210	397	450	346	104	515
	123	114	169	20	B0001	126	01W01	FLDCT	B	00017	0.210	397	416	346	70	515
	123	115	138	20	B9999	126	01W01	FLDCT	B	00018	0.210	397	64	0	64	467
	123	116	151	20	B9999	126	01W01	FLDCT	B	00019	0.210	397	212	0	212	467
	123	117	133	20	B9999	126	01W01	FLDCT	B	00020	0.210	397	8	0	8	467
	123	118	142	20	B9999	126	01W01	FLDCT	B	00021	0.210	397	110	0	110	467
	123	119	137	20	B9999	126	01W01	FLDCT	B	00022	0.210	397	53	0	53	467
	123	120	148	20	B0001	126	01W01	FLDCT	B	00023	0.210	397	178	346	-168	515
	123	121	152	20	B0001	126	01W01	FLDCT	B	00024	0.210	397	223	346	-123	515
	123	122	155	20	B0001	126	01W01	FLDCT	B	00025	0.210	397	257	346	-89	515
	123	123	163	20	B0001	126	01W01	FLDCT	B	00026	0.210	397	348	346	2	515
	123	124	158	20	B0001	126	01W01	FLDCT	B	00027	0.210	397	291	346	-55	515
	123	125	156	20	B0001	126	01W01	FLDCT	B	00028	0.210	397	268	346	-78	515
	123	126	152	20	B0001	126	01W01	FLDCT	B	00029	0.210	397	223	346	-123	515
	123	127	179	20	B0001	126	01W01	FLDCT	B	00030	0.210	397	529	346	183	515
	123	128	173	20	B0001	126	01W01	FLDCT	B	00031	0.210	397	461	346	115	515
	123	129	138	20	B0001	126	01W01	FLDCT	B	00032	0.210	397	64	346	-282	515
	123	130	177	20	B0001	126	01W01	FLDCT	B	00033	0.210	397	506	346	160	515
	123	131	156	20	B0001	126	01W01	FLDCT	B	00034	0.210	397	268	346	-78	515
	123	132	165	20	B0001	126	01W01	FLDCT	B	00035	0.210	397	370	346	24	515
	123	133	160	20	B0001	126	01W01	FLDCT	B	00036	0.210	397	314	346	-32	515
	123	134	139	20	B0001	126	01W01	FLDCT	B	00037	0.210	397	76	346	-270	515
	123	135	138	20	B0001	126	01W01	FLDCT	B	00038	0.210	397	64	346	-282	515
	123	136	158	20	B0001	126	01W01	FLDCT	B	00039	0.210	397	291	346	-55	515
	123	137	145	20	B0001	126	01W01	FLDCT	B	00040	0.210	397	144	346	-202	515
	123	138	148	20	B0001	126	01W01	FLDCT	B	00041	0.210	397	178	346	-168	515
	123	139	167	20	B0001	126	01W01	FLDCT	B	00042	0.210	397	393	346	47	515
	123	140	156	20	B0001	126	01W01	FLDCT	B	00043	0.210	397	268	346	-78	515
	123	141	169	20	B0001	126	01W01	FLDCT	B	00044	0.210	397	416	346	70	515
	123	142	169	20	B0001	126	01W01	FLDCT	B	00045	0.210	397	416	346	70	515
	123	143	151	20	B0001	126	01W01	FLDCT	B	00046	0.210	397	212	346	-134	515
	123	144	159	20	B0001	126	01W01	FLDCT	B	00047	0.210	397	302	346	-44	515
	123	145	152	20	B0001	126	01W01	FLDCT	B	00048	0.210	397	223	346	-123	515
	123	146	134	20	B0001	126	01W01	FLDCT	B	00049	0.210	397	19	346	-327	515
	123	147	134	20	B0001	126	01W01	FLDCT	B	00050	0.210	397	19	346	-327	515
	123	148	155	20	B0001	126	01W01	FLDCT	B	00051	0.210	397	257	346	-89	515
	123	149	155	20	B0001	126	01W01	FLDCT	B	00052	0.210	397	257	346	-89	515
	123	150	148	20	B0001	126	01W01	FLDCT	B	00053	0.210	397	178	346	-168	515
	123	151	180	20	B0001	126	01W01	FLDCT	B	00054	0.210	397	540	346	194	515
	123	152	178	20	B0001	126	01W01	FLDCT	B	00055	0.210	397	518	346	172	515
	123	153	151	20	B0001	126	01W01	FLDCT	B	00056	0.210	397	212	346	-134	515
	123	154	168	20	B0001	126	01W01	FLDCT	B	00057	0.210	397	404	346	58	515
	123	155	160	20	B0001	126	01W01	FLDCT	B	00058	0.210	397	314	346	-32	515
	123	156	155	20	B0001	126	01W01	FLDCT	B	00059	0.210	397	257	346	-89	515
	123	157	187	20	B0001	126	01W01	FLDCT	B	00060	0.210	397	620	346	274	515
	123	158	145	20	B0001	126	01W01	FLDCT	B	00061	0.210	397	144	346	-202	515
	123	159	136	20	B0001	126	01W01	FLDCT	B	00062	0.210	397	42	346	-304	515
	123	160	153	20	B0001	126	01W01	FLDCT	B	00063	0.210	397	234	346	-112	515

	123	161	169	20	B0001	126	01W01	FLDCT	B	00064	0.210	397	416	346	70	515
	123	162	141	20	B0001	126	01W01	FLDCT	B	00065	0.210	397	98	346	-248	515
	123	163	145	20	B0001	126	01W01	FLDCT	B	00066	0.210	397	144	346	-202	515
	123	164	139	20	B0001	126	01W01	FLDCT	B	00067	0.210	397	76	346	-270	515
	123	165	146	20	B0001	126	01W01	FLDCT	B	00068	0.210	397	155	346	-191	515
	123	166	144	20	B0001	126	01W01	FLDCT	B	00069	0.210	397	132	346	-214	515
	123	167	172	20	B0001	126	01W01	FLDCT	B	00070	0.210	397	450	346	104	515
	123	168	166	20	B0001	126	01W01	FLDCT	B	00071	0.210	397	382	346	36	515
	123	169	169	20	B0001	126	01W01	FLDCT	B	00072	0.210	397	416	346	70	515
	123	170	169	20	B0001	126	01W01	FLDCT	B	00073	0.210	397	416	346	70	515
	123	171	178	20	B0001	126	01W01	FLDCT	B	00074	0.210	397	518	346	172	515
	123	172	155	20	B0001	126	01W01	FLDCT	B	00075	0.210	397	257	346	-89	515
	123	173	133	20	B0001	126	01W01	FLDCT	B	00076	0.210	397	8	346	-338	515
	123	174	171	20	B0001	126	01W01	FLDCT	B	00077	0.210	397	438	346	92	515
	123	175	162	20	B0001	126	01W01	FLDCT	B	00078	0.210	397	336	346	-10	515
	123	176	161	20	B0001	126	01W01	FLDCT	B	00079	0.210	397	325	346	-21	515
	123	177	166	20	B0001	126	01W01	FLDCT	B	00080	0.210	397	382	346	36	515
	123	178	150	20	B0001	126	01W01	FLDCT	B	00081	0.210	397	200	346	-146	515
	123	179	126	20	B0001	126	01W01	FLDCT	B	00082	0.210	397	-72	346	-418	515
	123	180	155	20	B0001	126	01W01	FLDCT	B	00083	0.210	397	257	346	-89	515
	123	181	176	20	B0001	126	01W01	FLDCT	B	00084	0.210	397	495	346	149	515
	123	182	162	20	B0001	126	01W01	FLDCT	B	00085	0.210	397	336	346	-10	515
	123	183	164	20	B0001	126	01W01	FLDCT	B	00086	0.210	397	359	346	13	515
	123	184	148	20	B0001	126	01W01	FLDCT	B	00087	0.210	397	178	346	-168	515
	123	185	125	20	B9999	126	01W01	FLDCT	B	00088	0.210	397	-83	0	-83	467
	123	186	165	20	B9999	126	01W01	FLDCT	B	00089	0.210	397	370	0	370	467
	123	187	178	20	B0001	126	01W01	FLDCT	B	00090	0.210	397	518	346	172	515
	123	188	142	20	B0001	126	01W01	FLDCT	B	00091	0.210	397	110	346	-236	515
														# Measurements	182	
														Average	-38	
														Maximum	455	
														STD DEV	163	
														95% CL on Mean	-15	

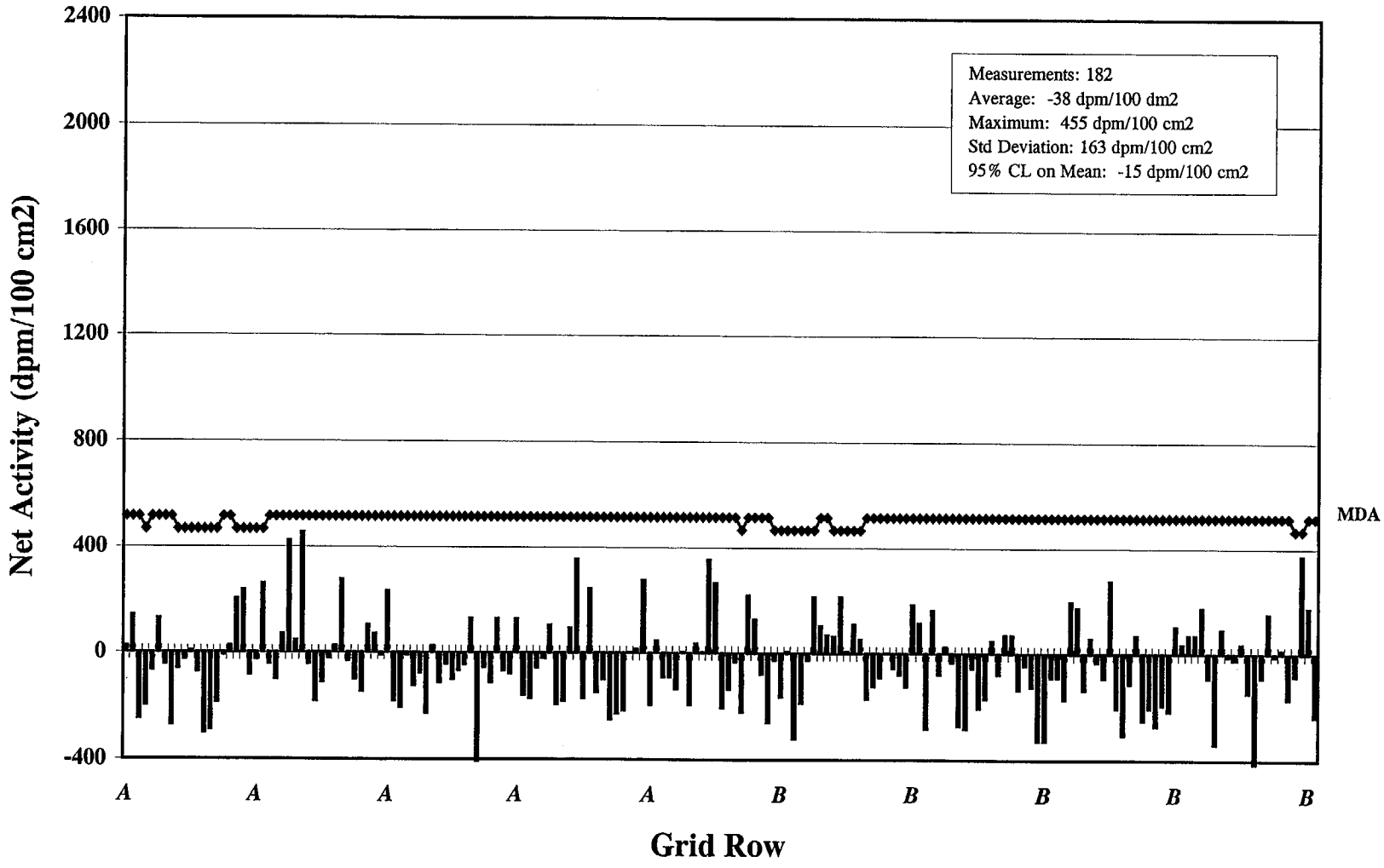
042

Vent 1


Measurements: 5
Average: 877 dpm/100 dm2
Maximum: 1294 dpm/100 cm2
Std Deviation: 249 dpm/100 cm2
95% CL on Mean: 1186 dpm/100
Net Activity (dpm/100 cm2)
2400
2000
1600
1200
800
400
0
-400
MDA
Vent 1
Measurement

043

Wall 1


Measurements: 182
Average: -38 dpm/100 dm2
Maximum: 455 dpm/100 cm2
Std Deviation: 163 dpm/100 cm2
95% CL on Mean: -15 dpm/100 cm2
MDA
Net Activity (dpm/100 cm2)
2400
2000
1600
1200
800
400
0
-400
A
A
A
A
A
B
B
B
B
B
Grid Row

044

The "net activity" (dpm/100 cm^2) presented on the following download report is raw data. It has not been corrected, if required, for the natural radioactivity that may be present in materials of construction. In addition the background used to correct for ambient exposure rates, instrument noise, etc. may need to be adjusted if more than one surface type was included in the download.

See the enclosed spreadsheets for the corrected results.

File #123

ATTACHMENT 6.14
SURVEY DOWNLOAD DATA SHEET

046

Download Technician: Print Name: D. Schumacher Signature: [signature] Station: 2 File: 123
Serial No. Verification: Model 2350: ☐ Detector: ☐ Problems: ☐ (See Comments)

Survey Technician(s):/
Print Name: D. Schumacher User ID DPS 4133 Signature: [signature] Date: 5/23/01

Print Name: _____ User ID _____ Signature: _____ Date: _____

Survey Unit Description: A0402: 2nd Floor Below 2 meters Wall 1 Vent Duct.
(Example: Survey Package + description i.e. D16, Building 43, Area 09, Room 100, Floor - Grid Locations A1 through A7)

Instrument Model and Serial No.: Model 2350 ☐ Model 2350-1 ☑: 126170

Instrument and Detector Calibration Due Dates: Survey Meter: 6-14-01 Detector: 6-15-01

Type Of Survey: ☑ Term Survey ☐ Characterization ☐ Information Only
☐ Other (explain):

Type of Measurement	Detector Serial Number	Detector Model Number	Detector Efficiency	Source Mean BKG Value	Pre & Post Use Info	
					Pre File No.	Post File No.
☐ Beta β		43-106B				
☑ Beta β	091029	43-68B	.210	5298/367	123	123
☐ Alpha α		43-68A				
☐ Gamma γ		44-2	N/A			

Local Area Background Measurements Ø1VØ1 BKG = 389.5 cpm MEAN Value in cpm !

10 min β Beta	* 1 4270	* 2 3950	* 3 3688	4 3895	5	6	395
α Alpha	1	2	3	4	5	6	

COMMENTS: * BKGS FROM Ø1WØ1 average = 397 CPM

GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

Direct Beta Survey Report, dpm/100 cm2

File Number: 123	Survey Description: A0402: 2nd FLOOR BELOW 2 METERS 01W01,01V01		
Survey Reason: TERMINATION	User ID: DPS4133	Technician name: Don Schumaker	
Instrument Model: 2350-1	S/N: 126170	Calibration Due: 4/30/01	Group: 2
Detector Model: 43-68B	Detector S/N: 091029	Type: 126 cm2 Gas Proportional Detector, Beta Window	
Background: 395 cpm	Beta Efficiency: .210		Survey Date: 5/23/01

Pre and Post source checks are included on this download: Yes ✓ No ___
If No is answered, then list the Download Files which include the Pre and Post source checks.
Pre File #: _____ Post File #: _____

Technician Review:

I have reveiwed this cover sheet and 5 pages of the report, 0 pages of comments, and 1 graph.

I performed this survey: Don Schumaker / [signature] Date: 5/23/01
Print name Signature

and,

I performed this survey: _____ / _____ Date: _____
Print name Signature

Corrections and Reasons:

Comment Resolution:

Survey Reviewed and Approved by: PAUL JONES / [signature] Date: 6/1/01
Print name Signature

Survey Date: 5/23/01 Report Date: 5/23/01 Page: 1
File: 123 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number	0
	A0402	01V01	TAT01	02200	Det Cal Due:	5/01/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
FLDBK	B9999	ZZZZZ	00000	189	600	3895	-21	
						Group Average:	-21	
FLDCT	B9999	ZZZZZ	00001	190	20	218	979	
FLDCT	B9999	ZZZZZ	00002	191	20	193	695	
FLDCT	B9999	ZZZZZ	00003	192	20	181	559	
FLDCT	B9999	ZZZZZ	00004	193	20	244	1274	*
FLDCT	B9999	ZZZZZ	00005	194	20	200	775	
						Group Average:	856	

Survey Code	L1	L2	L3	L4	Setup Number	0
	A0402	01W01	TAT01	02200	Det Cal Due:	5/01/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
FLDBK	B0001	ZZZZZ	00000	4	600	4270	121	
FLDBK	B0001	ZZZZZ	00000	5	600	3950	0	
FLDBK	B9999	ZZZZZ	00000	6	600	3688	-99	
						Group Average:	7	
LDCT	B0001	A	00001	7	20	165	378	
FLDCT	B0001	A	00002	8	20	175	491	
FLDCT	B0001	A	00003	9	20	141	106	
FLDCT	B9999	A	00004	10	20	115	-189	
FLDCT	B0001	A	00005	11	20	157	287	
FLDCT	B0001	A	00006	12	20	174	480	
FLDCT	B0001	A	00007	13	20	159	310	
FLDCT	B0001	A	00008	14	20	139	83	
FLDCT	B9999	A	00009	15	20	127	-53	
FLDCT	B9999	A	00010	16	20	130	-19	
FLDCT	B9999	A	00011	17	20	133	15	
FLDCT	B9999	A	00012	18	20	126	-64	
FLDCT	B9999	A	00013	19	20	106	-291	
FLDCT	B9999	A	00014	20	20	107	-280	
FLDCT	B9999	A	00015	21	20	116	-178	
FLDCT	B0001	A	00016	22	20	162	344	
FLDCT	B0001	A	00017	23	20	165	378	
FLDCT	B9999	A	00018	24	20	150	208	
FLDCT	B9999	A	00019	25	20	153	242	
FLDCT	B9999	A	00020	26	20	125	-76	
FLDCT	B9999	A	00021	27	20	130	-19	
FLDCT	B9999	A	00022	28	20	155	265	
FLDCT	B0001	A	00023	29	20	159	310	
FLDCT	B0001	A	00024	30	20	154	253	
FLDCT	B0001	A	00025	31	20	169	423	
FLDCT	B0001	A	00026	32	20	200	775	
FLDCT	B0001	A	00027	33	20	167	401	
FLDCT	B0001	A	00028	34	20	203	809	
FLDCT	B0001	A	00029	35	20	159	310	
FLDCT	B0001	A	00030	36	20	147	174	
FLDCT	B0001	A	00031	37	20	153	242	
FLDCT	B0001	A	00032	38	20	161	333	
FLDCT	B0001	A	00033	39	20	165	378	
DCT	B0001	A	00034	40	20	187	627	
CT	B0001	A	00035	41	20	160	321	
CT	B0001	A	00036	42	20	154	253	
FLDCT	B0001	A	00037	43	20	150	208	

* Hi flag set at 1200 dpm/100 cm2

Survey Date: 5/23/01 Report Date: 5/23/01 Page: 2
File: 123 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0402	01W01	TAT01	02200	Det Cal Due: 5/01/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDCT	B0001	A	00038	44	20	172	457	
FLDCT	B0001	A	00039	45	20	169	423	
FLDCT	B0001	A	00040	46	20	162	344	
FLDCT	B0001	A	00041	47	20	183	582	
FLDCT	B0001	A	00042	48	20	147	174	
FLDCT	B0001	A	00043	49	20	145	151	
FLDCT	B0001	A	00044	50	20	162	344	
FLDCT	B0001	A	00045	51	20	152	231	
FLDCT	B0001	A	00046	52	20	156	276	
FLDCT	B0001	A	00047	53	20	143	128	
FLDCT	B0001	A	00048	54	20	165	378	
FLDCT	B0001	A	00049	55	20	153	242	
FLDCT	B0001	A	00050	56	20	159	310	
FLDCT	B0001	A	00051	57	20	154	253	
FLDCT	B0001	A	00052	58	20	157	287	
FLDCT	B0001	A	00053	59	20	159	310	
FLDCT	B0001	A	00054	60	20	174	480	
FLDCT	B0001	A	00055	61	20	127	-53	
FLDCT	B0001	A	00056	62	20	158	299	
FLDCT	B0001	A	00057	63	20	153	242	
FLDCT	B0001	A	00058	64	20	174	480	
FLDCT	B0001	A	00059	65	20	157	287	
FLDCT	B0001	A	00060	66	20	156	276	
FLDCT	B0001	A	00061	67	20	174	480	
FLDCT	B0001	A	00062	68	20	149	197	
FLDCT	B0001	A	00063	69	20	148	185	
FLDCT	B0001	A	00064	70	20	158	299	
FLDCT	B0001	A	00065	71	20	161	333	
FLDCT	B0001	A	00066	72	20	172	457	
FLDCT	B0001	A	00067	73	20	146	163	
FLDCT	B0001	A	00068	74	20	147	174	
FLDCT	B0001	A	00069	75	20	171	446	
FLDCT	B0001	A	00070	76	20	194	707	
FLDCT	B0001	A	00071	77	20	148	185	
FLDCT	B0001	A	00072	78	20	184	593	
FLDCT	B0001	A	00073	79	20	150	208	
FLDCT	B0001	A	00074	80	20	154	253	
FLDCT	B0001	A	00075	81	20	141	106	
FLDCT	B0001	A	00076	82	20	143	128	
FLDCT	B0001	A	00077	83	20	144	140	
FLDCT	B0001	A	00078	84	20	163	355	
FLDCT	B0001	A	00079	85	20	164	367	
FLDCT	B0001	A	00080	86	20	187	627	
FLDCT	B0001	A	00081	87	20	146	163	
FLDCT	B0001	A	00082	88	20	167	401	
FLDCT	B0001	A	00083	89	20	155	265	
FLDCT	B0001	A	00084	90	20	155	265	
FLDCT	B0001	A	00085	91	20	151	219	
FLDCT	B0001	A	00086	92	20	163	355	
FLDCT	B0001	A	00087	93	20	146	163	
FLDCT	B0001	A	00088	94	20	166	389	
FLDCT	B0001	A	00089	95	20	163	355	
FLDCT	B0001	A	00090	96	20	194	707	
FLDCT	B0001	A	00091	97	20	186	616	
FLDCT	B0001	B	00001	98	20	145	151	
FLDCT	B0001	B	00002	99	20	151	219	
FLDCT	B0001	B	00003	100	20	160	321	
FLDCT	B9999	B	00004	101	20	113	-212	
FLDCT	B0001	B	00005	102	20	182	571	
FLDCT	B0001	B	00006	103	20	174	480	
FLDCT	B0001	B	00007	104	20	156	276	
FLDCT	B0001	B	00008	105	20	140	94	
FLDCT	B9999	B	00009	106	20	130	-19	
FLDCT	B9999	B	00010	107	20	118	-155	

* Hi flag set at 1200 dpm/100 cm2

Survey Date: 5/23/01 Report Date: 5/23/01 Page: 3
File: 123 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number	0
	A0402	01W01	TAT01	02200	Det Cal Due:	5/01/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
FLDCT	B9999	B	00011	108	20	133	15	
FLDCT	B9999	B	00012	109	20	104	-314	
FLDCT	B9999	B	00013	110	20	116	-178	
FLDCT	B9999	B	00014	111	20	130	-19	
FLDCT	B9999	B	00015	112	20	151	219	
FLDCT	B0001	B	00016	113	20	172	457	
FLDCT	B0001	B	00017	114	20	169	423	
FLDCT	B9999	B	00018	115	20	138	72	
FLDCT	B9999	B	00019	116	20	151	219	
FLDCT	B9999	B	00020	117	20	133	15	
FLDCT	B9999	B	00021	118	20	142	117	
FLDCT	B9999	B	00022	119	20	137	60	
FLDCT	B0001	B	00023	120	20	148	185	
FLDCT	B0001	B	00024	121	20	152	231	
FLDCT	B0001	B	00025	122	20	155	265	
FLDCT	B0001	B	00026	123	20	163	355	
FLDCT	B0001	B	00027	124	20	158	299	
FLDCT	B0001	B	00028	125	20	156	276	
FLDCT	B0001	B	00029	126	20	152	231	
FLDCT	B0001	B	00030	127	20	179	537	
FLDCT	B0001	B	00031	128	20	173	469	
FLDCT	B0001	B	00032	129	20	138	72	
FLDCT	B0001	B	00033	130	20	177	514	
FLDCT	B0001	B	00034	131	20	156	276	
FLDCT	B0001	B	00035	132	20	165	378	
FLDCT	B0001	B	00036	133	20	160	321	
FLDCT	B0001	B	00037	134	20	139	83	
FLDCT	B0001	B	00038	135	20	138	72	
FLDCT	B0001	B	00039	136	20	158	299	
FLDCT	B0001	B	00040	137	20	145	151	
FLDCT	B0001	B	00041	138	20	148	185	
FLDCT	B0001	B	00042	139	20	167	401	
FLDCT	B0001	B	00043	140	20	156	276	
FLDCT	B0001	B	00044	141	20	169	423	
FLDCT	B0001	B	00045	142	20	169	423	
FLDCT	B0001	B	00046	143	20	151	219	
FLDCT	B0001	B	00047	144	20	159	310	
FLDCT	B0001	B	00048	145	20	152	231	
FLDCT	B0001	B	00049	146	20	134	26	
FLDCT	B0001	B	00050	147	20	134	26	
FLDCT	B0001	B	00051	148	20	155	265	
FLDCT	B0001	B	00052	149	20	155	265	
FLDCT	B0001	B	00053	150	20	148	185	
FLDCT	B0001	B	00054	151	20	180	548	
FLDCT	B0001	B	00055	152	20	178	525	
FLDCT	B0001	B	00056	153	20	151	219	
FLDCT	B0001	B	00057	154	20	168	412	
FLDCT	B0001	B	00058	155	20	160	321	
FLDCT	B0001	B	00059	156	20	155	265	
FLDCT	B0001	B	00060	157	20	187	627	
FLDCT	B0001	B	00061	158	20	145	151	
FLDCT	B0001	B	00062	159	20	136	49	
FLDCT	B0001	B	00063	160	20	153	242	
FLDCT	B0001	B	00064	161	20	169	423	
FLDCT	B0001	B	00065	162	20	141	106	
FLDCT	B0001	B	00066	163	20	145	151	
FLDCT	B0001	B	00067	164	20	139	83	
FLDCT	B0001	B	00068	165	20	146	163	
FLDCT	B0001	B	00069	166	20	144	140	
FLDCT	B0001	B	00070	167	20	172	457	
FLDCT	B0001	B	00071	168	20	166	389	
FLDCT	B0001	B	00072	169	20	169	423	
FLDCT	B0001	B	00073	170	20	169	423	
FLDCT	B0001	B	00074	171	20	178	525	

* Hi flag set at 1200 dpm/100 cm2

Survey Date: 5/23/01 Report Date: 5/23/01 Page: 4
File: 123 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number	0
	A0402	01W01	TAT01	02200	Det Cal Due:	5/01/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
FLDCT	B0001	B	00075	172	20	155	265	
FLDCT	B0001	B	00076	173	20	133	15	
FLDCT	B0001	B	00077	174	20	171	446	
FLDCT	B0001	B	00078	175	20	162	344	
FLDCT	B0001	B	00079	176	20	161	333	
FLDCT	B0001	B	00080	177	20	166	389	
FLDCT	B0001	B	00081	178	20	150	208	
FLDCT	B0001	B	00082	179	20	126	-64	
FLDCT	B0001	B	00083	180	20	155	265	
FLDCT	B0001	B	00084	181	20	176	503	
FLDCT	B0001	B	00085	182	20	162	344	
FLDCT	B0001	B	00086	183	20	164	367	
FLDCT	B0001	B	00087	184	20	148	185	
FLDCT	B9999	B	00088	185	20	125	-76	
FLDCT	B9999	B	00089	186	20	165	378	
FLDCT	B0001	B	00090	187	20	178	525	
FLDCT	B0001	B	00091	188	20	142	117	
						Group Average:	262	

Survey Code	L1	L2	L3	L4	Setup Number	0
	ZZZZZ	EZ260	TAT01	02200	Det Cal Due:	5/01/01

5 ntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
PRB00	ZZZZZ	ZZZZZ	00000	1	60	5686	19996	*
PRB00	ZZZZZ	ZZZZZ	00000	2	60	5815	20484	*
PRB00	ZZZZZ	ZZZZZ	00000	3	60	5493	19267	*
						Group Average:	19916	
PTB00	ZZZZZ	ZZZZZ	00000	196	60	5839	20574	*
PTB00	ZZZZZ	ZZZZZ	00000	197	60	6002	21190	*
PTB00	ZZZZZ	ZZZZZ	00000	198	60	5679	19970	*
						Group Average:	20578	

Survey Code	L1	L2	L3	L4	Setup Number	0
	ZZZZZ	ZZZZZ	TAT01	02200	Det Cal Due:	5/01/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	3673	-105	
						Group Average:	-105	
PTBBK	ZZZZZ	ZZZZZ	00000	195	600	3870	-30	
						Group Average:	-30	

* Hi flag set at 1200 dpm/100 cm2

Survey Date: 5/23/01 Report Date: 5/23/01 Page: 5
File: 123 Station: 2

Comments

Total Number of Measurements on this Report: 199

NOTE: This report is grouped by:
Package (L1) (Package number)
Setup number (Detector parameters)
Det Type (L4) (GM pancake-flat surface, Beta 3.5-12" pipe, gamma at 1 m, etc.)
Reason (L3-345) (Char survey, source check, final survey, etc.)
Surface Cat (L2) (Wall, floor, drain, penetration, etc.)
Count Type (L5) (Field count, bkg, pre-, post-, etc.)
Bkgd Sub (L6) (Material code, i.e., wood, iron, concr, etc.)

* Hi flag set at 1200 dpm/100 cm2

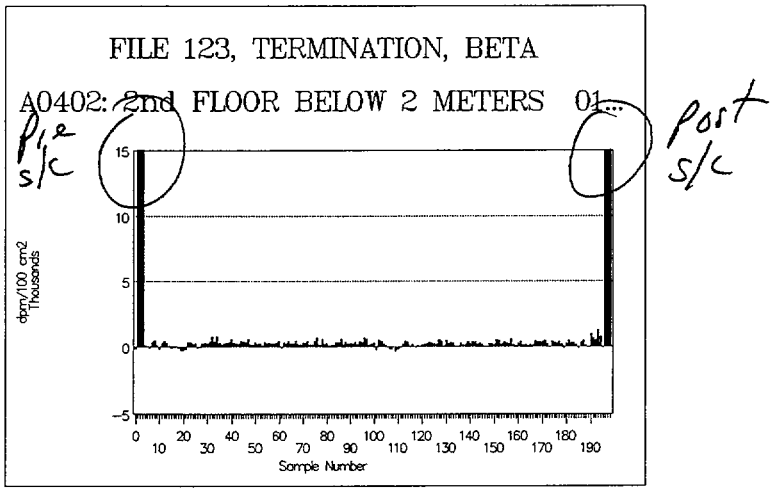
GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

6/05/2001 Graph of File 123 Station: 2

Survey Date: 5/23/2001 Survey Start Time: 14:07:30

Description: A0402: 2nd FLOOR BELOW 2 METERS 01W01,01V01



Flag set for 1200 dpm/100 cm2. Review values greater than this value.

Review this graph for visual outliers.

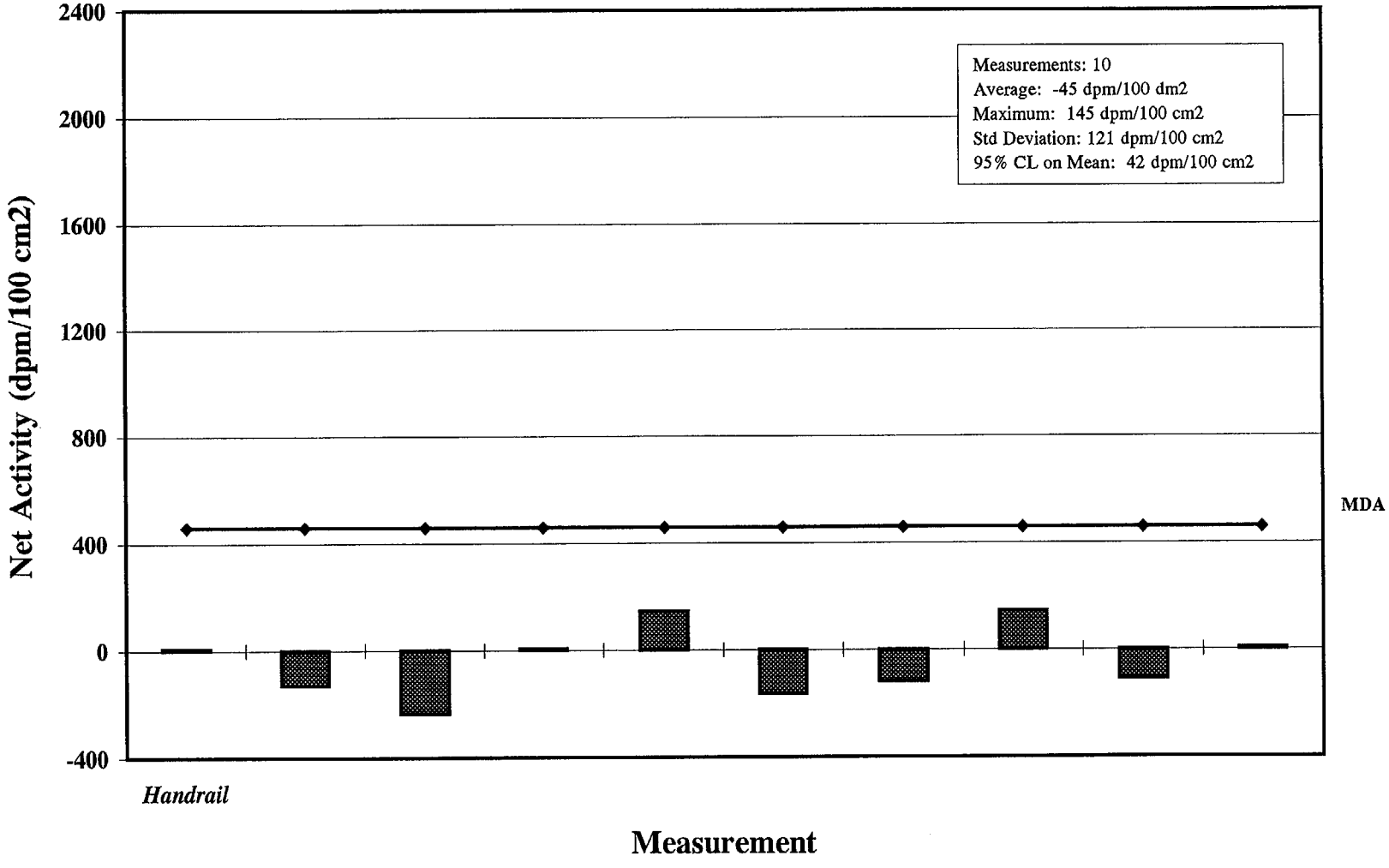
Mark outliers, source checks and backgrounds on the graph on this page.

File 124 Data Summary Table

Desc.	File	Sample Number	Gross Counts	Count Time (sec)	Material Type	Detector Area (cm^2)	Surface	Count Type	Row	Location	Efficiency	Background (cpm)	Activity ($dpm/100cm^2$)	Natural Background (dpm/100cm2)	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)
Handrail	124	5	148	20	B9999	126	01S02	FLDCT	ZZZZZ	00001	0.225	442	7	0	7	458
	124	6	135	20	B9999	126	01S02	FLDCT	ZZZZZ	00002	0.225	442	-131	0	-131	458
	124	7	125	20	B9999	126	01S02	FLDCT	ZZZZZ	00003	0.225	442	-236	0	-236	458
	124	8	148	20	B9999	126	01S02	FLDCT	ZZZZZ	00004	0.225	442	7	0	7	458
	124	9	161	20	B9999	126	01S02	FLDCT	ZZZZZ	00005	0.225	442	145	0	145	458
	124	10	132	20	B9999	126	01S02	FLDCT	ZZZZZ	00006	0.225	442	-162	0	-162	458
	124	11	136	20	B9999	126	01S02	FLDCT	ZZZZZ	00007	0.225	442	-120	0	-120	458
	124	12	161	20	B9999	126	01S02	FLDCT	ZZZZZ	00008	0.225	442	145	0	145	458
	124	13	137	20	B9999	126	01S02	FLDCT	ZZZZZ	00009	0.225	442	-109	0	-109	458
	124	14	148	20	B9999	126	01S02	FLDCT	ZZZZZ	00010	0.225	442	7	0	7	458
														# Measurements	10	
														Average	-45	
														Maximum	145	
														STD DEV	121	
														95% CL on Mean	42	

054

Handrail



055

The "net activity" (dpm/100 cm^2) presented on the following download report is raw data. It has not been corrected, if required, for the natural radioactivity that may be present in materials of construction. In addition the background used to correct for ambient exposure rates, instrument noise, etc. may need to be adjusted if more than one surface type was included in the download.

See the enclosed spreadsheets for the corrected results.

File #124

ATTACHMENT 6.14
SURVEY DOWNLOAD DATA SHEET

057

Download Technician: Print Name: D. Schumaker Signature: [signature] Station: 2 File: 124
Serial No. Verification: Model 2350: ☑ Detector: ☐ Problems: ☐ (See Comments)

Survey Technician(s):
Print Name: D. Schumaker User ID: DPS 4133 Signature: [signature] Date: 5/24/01

Print Name: _____ User ID _____ Signature: _____ Date: _____

Survey Unit Description: A0402: 2ND FLOOR Below 2 meters HANDRAIL
(Example: Survey Package + description i.e. D16, Building 43, Area 09, Room 100, Floor - Grid Locations A1 through A7)

Instrument Model and Serial No.: Model 2350 ☐ Model 2350-1 ☑: 126182

Instrument and Detector Calibration Due Dates: Survey Meter: 9-22-01 Detector: 9-23-01

Type Of Survey: ☑ Term Survey ☐ Characterization ☐ Information Only
☐ Other (explain):

Type of Measurement	Detector Serial Number	Detector Model Number	Detector Efficiency	Source Mean BKG Value	Pre & Post Use Info	
					Pre File No.	Post File No.
☐ Beta β		43-106B				
☒ Beta β	095534	43-68B	.225	5670/386	124	124
☐ Alpha α		43-68A				
☐ Gamma γ		44-2	N/A			

Local Area Background Measurements 01502 MEAN Value in cpm !

10 MIN β Beta	1 4420	2	3	4	5	6	442
α Alpha	1	2	3	4	5	6	

COMMENTS: _____

GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

Direct Beta Survey Report, dpm/100 cm2

File Number: 124	Survey Description: A0402: 2nd FLOOR BELOW 2 METERS HANDRAIL		
Survey Reason: TERMINATION	User ID: DPS4133	Technician name: Don Schumaker	
Instrument Model: M2350-1	S/N: 126182	Calibration Due: 9/22/01	Group: 2
Detector Model: 43-68B	Detector S/N: 095534	Type: 126 cm2 Gas Proportional Detector, Beta Window	
Background: 442 cpm	Beta Efficiency: .225		Survey Date: 5/24/01

Pre and Post source checks are included on this download: Yes ✓ No ___
If No is answered, then list the Download Files which include the Pre and Post source checks.
Pre File #: _____ Post File #: _____

Technician Review:

I have reveiwed this cover sheet and 2 pages of the report, 0 pages of comments, and 1 graph.

I performed this survey: Don Schumaker / [signature] Date: 5/24/01
Print name Signature

and,

I performed this survey: _____ / _____ Date: _____
Print name Signature

Corrections and Reasons:

Comment Resolution:

Survey Reviewed and Approved by: PAUL A JONES / [signature] Date: 6/1/01
Print name Signature

Survey Date: 5/24/01 Report Date: 5/24/01 Page: 1
File: 124 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0402	01S02	TAT01	02200	Det Cal Due: 9/23/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
FLDBK	B9999	ZZZZZ	00000	4	600	4420	0	
						Group Average:	0	
FLDCT	B9999	ZZZZZ	00001	5	20	148	7	
FLDCT	B9999	ZZZZZ	00002	6	20	135	-131	
FLDCT	B9999	ZZZZZ	00003	7	20	125	-236	
FLDCT	B9999	ZZZZZ	00004	8	20	148	7	
FLDCT	B9999	ZZZZZ	00005	9	20	161	145	
FLDCT	B9999	ZZZZZ	00006	10	20	132	-162	
FLDCT	B9999	ZZZZZ	00007	11	20	136	-120	
FLDCT	B9999	ZZZZZ	00008	12	20	161	145	
FLDCT	B9999	ZZZZZ	00009	13	20	137	-109	
FLDCT	B9999	ZZZZZ	00010	14	20	148	7	
						Group Average:	-45	

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	EZ260	TAT01	02200	Det Cal Due: 9/23/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
PRB00	ZZZZZ	ZZZZZ	00000	1	60	5886	19203	*
PTB00	ZZZZZ	ZZZZZ	00000	2	60	6194	20289	*
PRB00	ZZZZZ	ZZZZZ	00000	3	60	6088	19915	*
						Group Average:	19802	
PTB00	ZZZZZ	ZZZZZ	00000	16	60	6063	19827	*
PTB00	ZZZZZ	ZZZZZ	00000	17	60	6345	20822	*
PTB00	ZZZZZ	ZZZZZ	00000	18	60	6158	20162	*
						Group Average:	20270	

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	ZZZZZ	TAT01	02200	Det Cal Due: 9/23/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	H i
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	3856	-199	
						Group Average:	-199	
PTBBK	ZZZZZ	ZZZZZ	00000	15	600	4103	-112	
						Group Average:	-112	

* Hi flag set at 1200 dpm/100 cm2

Survey Date: 5/24/01 Report Date: 5/24/01 Page: 2
File: 124 Station: 2

Comments

Total Number of Measurements on this Report: 19

NOTE: This report is grouped by:
Package (L1) (Package number)
Setup number (Detector parameters)
Det Type (L4) (GM pancake-flat surface, Beta 3.5-12" pipe, gamma at 1 m, etc.)
Reason (L3-345) (Char survey, source check, final survey, etc.)
Surface Cat (L2) (Wall, floor, drain, penetration, etc.)
Count Type (L5) (Field count, bkg, pre-, post-, etc.)
Bkgd Sub (L6) (Material code, i.e., wood, iron, concr, etc.)

* Hi flag set at 1200 dpm/100 cm2

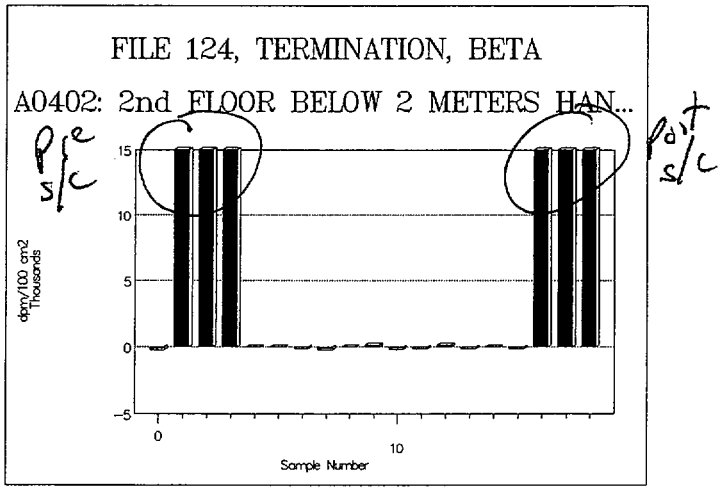
GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

5/24/2001 Graph of File 124 Station: 2

Survey Date: 5/24/2001 Survey Start Time: 07:53:02

Description: A0402: 2nd FLOOR BELOW 2 METERS HANDRAIL



Flag set for 1200 dpm/100 cm2. Review values greater than this value.

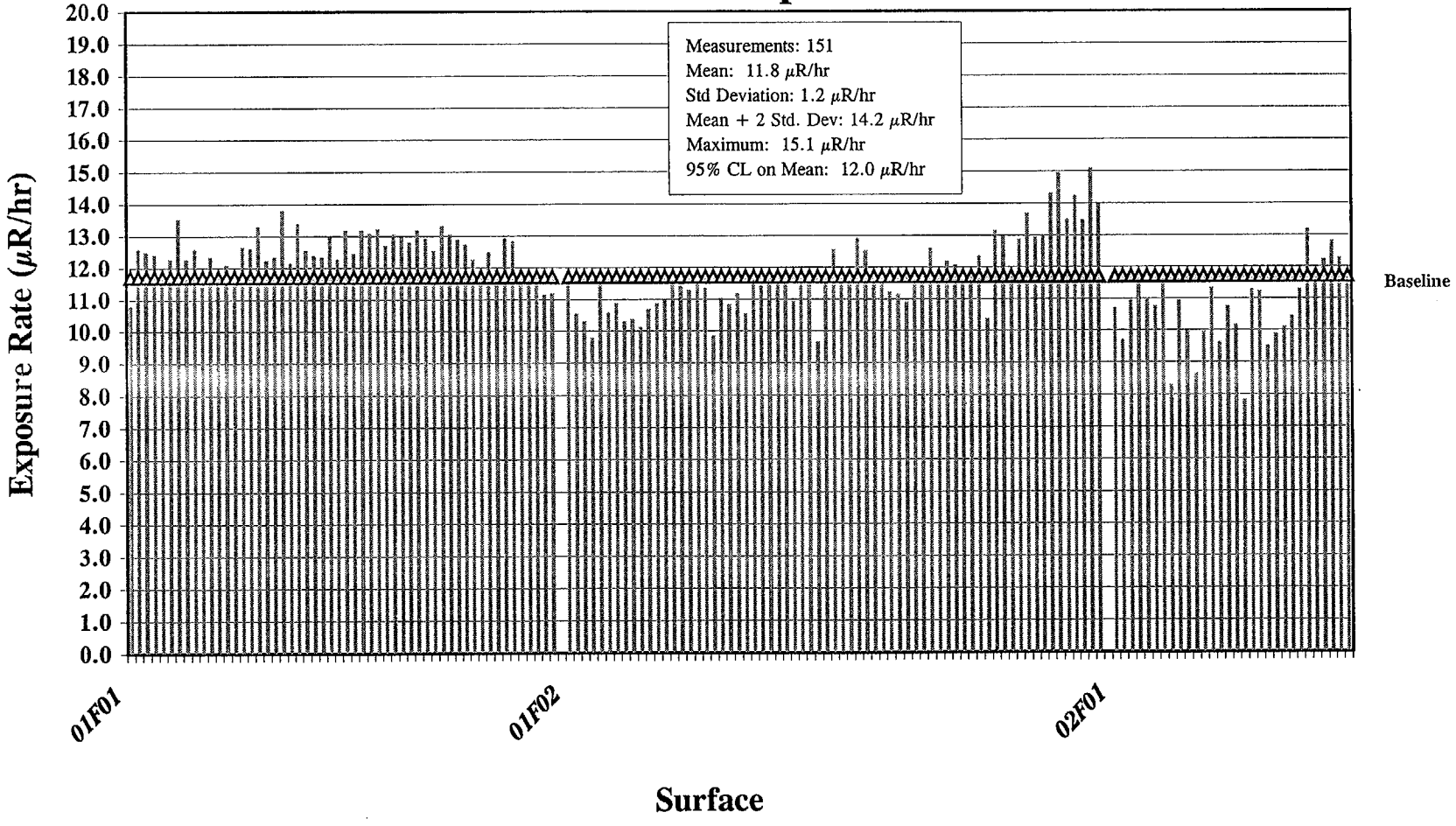
Review this graph for visual outliers.

Mark outliers, source checks and backgrounds on the graph on this page.

Section 4

Package 2
Exposure Rate Measurements for the 2nd floor Below 2 Meters

2nd Floor Below 2 Meters Exposure Rate Measurements



Package 2 Exposure Rate Measurement Summary

	Desc.	File	Sample Number	Gross Counts	Count Time (sec)	Material Type	Surface	Row	Location	Detector Cal. Constant (C/hr)/(R/hr)	Exposure Rate (μR/hr)
Pkg 2	01F01	125	4	508	10	B0001	01F01	A	00001	1.690841E+10	10.8
		125	5	591	10	B0001	01F01	A	00002	1.690841E+10	12.6
		125	6	586	10	B0001	01F01	A	00003	1.690841E+10	12.5
		125	7	583	10	B0001	01F01	A	00004	1.690841E+10	12.4
		125	8	548	10	B0001	01F01	A	00005	1.690841E+10	11.7
		125	9	576	10	B0001	01F01	A	00006	1.690841E+10	12.3
		125	10	635	10	B0001	01F01	A	00007	1.690841E+10	13.5
		125	11	576	10	B0001	01F01	A	00008	1.690841E+10	12.3
		125	12	591	10	B0001	01F01	A	00009	1.690841E+10	12.6
		125	13	536	10	B0001	01F01	A	00010	1.690841E+10	11.4
		125	14	579	10	B0001	01F01	A	00011	1.690841E+10	12.3
		125	15	557	10	B0001	01F01	A	00012	1.690841E+10	11.9
		125	16	568	10	B0001	01F01	A	00013	1.690841E+10	12.1
		125	17	561	10	B0001	01F01	A	00014	1.690841E+10	11.9
		125	18	594	10	B0001	01F01	A	00015	1.690841E+10	12.6
		125	19	592	10	B0001	01F01	A	00016	1.690841E+10	12.6
		125	20	625	10	B0001	01F01	A	00017	1.690841E+10	13.3
		125	21	574	10	B0001	01F01	A	00018	1.690841E+10	12.2
		125	22	580	10	B0001	01F01	A	00019	1.690841E+10	12.3
		125	23	648	10	B0001	01F01	A	00020	1.690841E+10	13.8
		125	24	571	10	B0001	01F01	A	00021	1.690841E+10	12.2
		125	25	630	10	B0001	01F01	A	00022	1.690841E+10	13.4
		125	26	589	10	B0001	01F01	A	00023	1.690841E+10	12.5
		125	27	582	10	B0001	01F01	A	00024	1.690841E+10	12.4
		125	28	580	10	B0001	01F01	A	00025	1.690841E+10	12.3
		125	29	609	10	B0001	01F01	A	00026	1.690841E+10	13.0
		125	30	576	10	B0001	01F01	A	00027	1.690841E+10	12.3
		125	31	619	10	B0001	01F01	A	00028	1.690841E+10	13.2
		125	32	585	10	B0001	01F01	A	00029	1.690841E+10	12.5
		125	33	620	10	B0001	01F01	A	00030	1.690841E+10	13.2
		125	34	614	10	B0001	01F01	A	00031	1.690841E+10	13.1
		125	35	621	10	B0001	01F01	A	00032	1.690841E+10	13.2
		125	36	597	10	B0001	01F01	A	00033	1.690841E+10	12.7
		125	37	613	10	B0001	01F01	A	00034	1.690841E+10	13.1
		125	38	609	10	B0001	01F01	A	00035	1.690841E+10	13.0
		125	39	601	10	B0001	01F01	A	00036	1.690841E+10	12.8
		125	40	620	10	B0001	01F01	A	00037	1.690841E+10	13.2
		125	41	607	10	B0001	01F01	A	00038	1.690841E+10	12.9
		125	42	588	10	B0001	01F01	A	00039	1.690841E+10	12.5
		125	43	625	10	B0001	01F01	A	00040	1.690841E+10	13.3
		125	44	612	10	B0001	01F01	A	00041	1.690841E+10	13.0
		125	45	605	10	B0001	01F01	A	00042	1.690841E+10	12.9
		125	46	598	10	B0001	01F01	A	00043	1.690841E+10	12.7
		125	47	575	10	B0001	01F01	A	00044	1.690841E+10	12.2
		125	48	556	10	B0001	01F01	A	00045	1.690841E+10	11.8
		125	49	587	10	B0001	01F01	A	00046	1.690841E+10	12.5
		125	50	561	10	B0001	01F01	A	00047	1.690841E+10	11.9
		125	51	607	10	B0001	01F01	A	00048	1.690841E+10	12.9
		125	52	603	10	B0001	01F01	A	00049	1.690841E+10	12.8
		125	53	560	10	B0001	01F01	A	00050	1.690841E+10	11.9
		125	54	543	10	B0001	01F01	A	00051	1.690841E+10	11.6
		125	55	554	10	B0001	01F01	A	00052	1.690841E+10	11.8
		125	56	523	10	B0001	01F01	A	00053	1.690841E+10	11.1
		125	57	525	10	B0001	01F01	A	00054	1.690841E+10	11.2
	01F02	125	108	539	10	B9999	01F02	A	00001	1.690841E+10	11.5
		125	109	495	10	B9999	01F02	A	00002	1.690841E+10	10.5
		125	110	484	10	B9999	01F02	A	00003	1.690841E+10	10.3
		125	111	460	10	B9999	01F02	B	00001	1.690841E+10	9.8
		125	112	539	10	B9999	01F02	B	00002	1.690841E+10	11.5
		125	113	497	10	B9999	01F02	B	00003	1.690841E+10	10.6
		125	114	511	10	B9999	01F02	B	00004	1.690841E+10	10.9
		125	115	484	10	B9999	01F02	B	00005	1.690841E+10	10.3
		125	116	487	10	B9999	01F02	C	00001	1.690841E+10	10.4
		125	117	476	10	B9999	01F02	C	00002	1.690841E+10	10.1
		125	118	502	10	B9999	01F02	C	00003	1.690841E+10	10.7

Package 2 Exposure Rate Measurement Summary

	Desc.	File	Sample Number	Gross Counts	Count Time (sec)	Material Type	Surface	Row	Location	Detector Cal. Constant (C/hr)/(R/hr)	Exposure Rate (μR/hr)
		125	119	510	10	B9999	01F02	C	00004	1.690841E+10	10.9
		125	120	515	10	B9999	01F02	C	00005	1.690841E+10	11.0
		125	121	551	10	B9999	01F02	C	00006	1.690841E+10	11.7
		125	122	536	10	B9999	01F02	C	00007	1.690841E+10	11.4
		125	123	530	10	B9999	01F02	C	00008	1.690841E+10	11.3
		125	124	540	10	B9999	01F02	D	00001	1.690841E+10	11.5
		125	125	533	10	B9999	01F02	D	00002	1.690841E+10	11.3
		125	126	463	10	B9999	01F02	D	00003	1.690841E+10	9.9
		125	127	518	10	B9999	01F02	D	00004	1.690841E+10	11.0
		125	128	509	10	B9999	01F02	D	00005	1.690841E+10	10.8
		125	129	525	10	B9999	01F02	D	00006	1.690841E+10	11.2
		125	130	495	10	B9999	01F02	D	00007	1.690841E+10	10.5
		125	131	543	10	B9999	01F02	D	00008	1.690841E+10	11.6
		125	132	536	10	B9999	01F02	D	00009	1.690841E+10	11.4
		125	133	554	10	B9999	01F02	D	00010	1.690841E+10	11.8
		125	134	553	10	B9999	01F02	D	00011	1.690841E+10	11.8
		125	135	547	10	B9999	01F02	D	00012	1.690841E+10	11.6
		125	136	513	10	B9999	01F02	E	00001	1.690841E+10	10.9
		125	137	537	10	B9999	01F02	E	00002	1.690841E+10	11.4
		125	138	541	10	B9999	01F02	E	00003	1.690841E+10	11.5
		125	139	454	10	B9999	01F02	E	00004	1.690841E+10	9.7
		125	140	553	10	B9999	01F02	E	00005	1.690841E+10	11.8
		125	141	590	10	B9999	01F02	E	00006	1.690841E+10	12.6
		125	142	549	10	B9999	01F02	E	00007	1.690841E+10	11.7
		125	143	544	10	B9999	01F02	E	00008	1.690841E+10	11.6
		125	144	606	10	B9999	01F02	E	00009	1.690841E+10	12.9
		125	145	588	10	B9999	01F02	F	00001	1.690841E+10	12.5
		125	146	545	10	B9999	01F02	F	00002	1.690841E+10	11.6
		125	147	547	10	B9999	01F02	F	00003	1.690841E+10	11.6
		125	148	527	10	B9999	01F02	F	00004	1.690841E+10	11.2
		125	149	524	10	B9999	01F02	F	00005	1.690841E+10	11.2
		125	150	512	10	B9999	01F02	F	00006	1.690841E+10	10.9
		125	151	559	10	B9999	01F02	F	00007	1.690841E+10	11.9
		125	152	554	10	B9999	01F02	F	00008	1.690841E+10	11.8
		125	153	592	10	B9999	01F02	F	00009	1.690841E+10	12.6
		125	154	560	10	B9999	01F02	F	00010	1.690841E+10	11.9
		125	155	572	10	B9999	01F02	F	00011	1.690841E+10	12.2
		125	156	567	10	B9999	01F02	G	00001	1.690841E+10	12.1
		125	157	550	10	B9999	01F02	G	00002	1.690841E+10	11.7
		125	158	556	10	B9999	01F02	G	00003	1.690841E+10	11.8
		125	159	580	10	B9999	01F02	G	00004	1.690841E+10	12.3
		125	160	487	10	B9999	01F02	G	00005	1.690841E+10	10.4
		125	161	617	10	B9999	01F02	G	00006	1.690841E+10	13.1
		125	162	610	10	B9999	01F02	G	00007	1.690841E+10	13.0
		125	163	557	10	B9999	01F02	G	00008	1.690841E+10	11.9
		125	164	604	10	B9999	01F02	G	00009	1.690841E+10	12.9
		125	165	642	10	B9999	01F02	G	00010	1.690841E+10	13.7
		125	166	608	10	B9999	01F02	H	00001	1.690841E+10	12.9
		125	167	611	10	B9999	01F02	H	00002	1.690841E+10	13.0
		125	168	672	10	B9999	01F02	H	00003	1.690841E+10	14.3
		125	169	702	10	B9999	01F02	H	00004	1.690841E+10	14.9
		125	170	634	10	B9999	01F02	H	00005	1.690841E+10	13.5
		125	171	669	10	B9999	01F02	H	00006	1.690841E+10	14.2
		125	172	633	10	B9999	01F02	H	00007	1.690841E+10	13.5
		125	173	708	10	B9999	01F02	I	00001	1.690841E+10	15.1
		125	174	658	10	B9999	01F02	I	00002	1.690841E+10	14.0
	02F01	125	78	503	10	B9999	02F01	A	00001	1.690841E+10	10.7
		125	79	456	10	B9999	02F01	A	00002	1.690841E+10	9.7
		125	80	514	10	B9999	02F01	A	00003	1.690841E+10	10.9
		125	81	547	10	B9999	02F01	A	00004	1.690841E+10	11.6
		125	82	517	10	B9999	02F01	A	00005	1.690841E+10	11.0
		125	83	505	10	B9999	02F01	A	00006	1.690841E+10	10.8
		125	84	545	10	B9999	02F01	B	00001	1.690841E+10	11.6
		125	85	390	10	B9999	02F01	B	00002	1.690841E+10	8.3
		125	86	514	10	B9999	02F01	B	00003	1.690841E+10	10.9
		125	87	469	10	B9999	02F01	B	00004	1.690841E+10	10.0

Package 2 Exposure Rate Measurement Summary

	Desc.	File	Sample Number	Gross Counts	Count Time (sec)	Material Type	Surface	Row	Location	Detector Cal. Constant (C/hr)/(R/hr)	Exposure Rate (μR/hr)
		125	88	406	10	B9999	02F01	B	00005	1.690841E+10	8.6
		125	89	468	10	B9999	02F01	B	00006	1.690841E+10	10.0
		125	90	532	10	B9999	02F01	C	00001	1.690841E+10	11.3
		125	91	452	10	B9999	02F01	C	00002	1.690841E+10	9.6
		125	92	505	10	B9999	02F01	C	00003	1.690841E+10	10.8
		125	93	478	10	B9999	02F01	C	00004	1.690841E+10	10.2
		125	94	368	10	B9999	02F01	C	00005	1.690841E+10	7.8
		125	95	530	10	B9999	02F01	C	00006	1.690841E+10	11.3
		125	96	527	10	B9999	02F01	D	00001	1.690841E+10	11.2
		125	97	447	10	B9999	02F01	D	00002	1.690841E+10	9.5
		125	98	465	10	B9999	02F01	D	00003	1.690841E+10	9.9
		125	99	475	10	B9999	02F01	D	00004	1.690841E+10	10.1
		125	100	491	10	B9999	02F01	D	00005	1.690841E+10	10.5
		125	101	531	10	B9999	02F01	D	00006	1.690841E+10	11.3
		125	102	619	10	B9999	02F01	E	00001	1.690841E+10	13.2
		125	103	543	10	B9999	02F01	E	00002	1.690841E+10	11.6
		125	104	574	10	B9999	02F01	E	00003	1.690841E+10	12.2
		125	105	601	10	B9999	02F01	E	00004	1.690841E+10	12.8
		125	106	576	10	B9999	02F01	E	00005	1.690841E+10	12.3
		125	107	543	10	B9999	02F01	E	00006	1.690841E+10	11.6
				Package 2 Gross Measureement Statistics						# Measurements	151
										Mean	11.8
										Maximum	15.1
										STD DEV	1.2
										Mean + 2 x Std Dev	14.2
										95% CL on Mean	12.0
										+2 STD	14.2

The "net activity" (dpm/100 cm^2) presented on the following download report is raw data. It has not been corrected, if required, for the natural radioactivity that may be present in materials of construction. In addition the background used to correct for ambient exposure rates, instrument noise, etc. may need to be adjusted if more than one surface type was included in the download.

See the enclosed spreadsheets for the corrected results.

File #125

ATTACHMENT 6.14
SURVEY DOWNLOAD DATA SHEET

068

wnload Print
echnician: Name: D. Schumaker Signature: Station: 2 File: 125
Serial No. Verification: Model 2350: ☑ Detector: ☑ Problems: ☐ (See Comments)

Survey Technician(s):
Print Name: D. Schumaker User ID DS 4133 Signature: Date: 5/24/01

Print Name: User ID Signature: Date:

Survey Unit Description: A0402; 2ND Level Below 2 meters FLOOR
(Example: Survey Package + description i.e. D16, Building 43, Area 09, Room 100, Floor - Grid Locations A1 through A7)

Instrument Model and Serial No.: Model 2350 ☐ Model 2350-1 ☑: 126182

Instrument and Detector Calibration Due Dates: Survey Meter: 9-22-01 Detector: 9-22-01

Type Of Survey: ☑ Term Survey ☐ Characterization ☐ Information Only
☐ Other (explain):

Type of Measurement	Detector Serial Number	Detector Model Number	Detector Efficiency	Source Mean BKG Value	Pre & Post Use Info	
					Pre File No.	Post File No.
☐ Beta β		43-106B				
☐ Beta β		43-68B				
☐ Alpha α		43-68A				
☒ Gamma γ	095085	44-2	N/A	N/A	125	125

Local Area Background Measurements MEAN Value in cpm !

β Beta	1	2	3	4	5	6	
α Alpha	1	2	3	4	5	6	

COMMENTS:

GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

Gamma Radiation Survey Report, Micro-R/hour - Integrated Measurement

File Number: 125	Survey Description: A0402: 2nd LEVEL BELOW 2 METERS FLOOR		
Survey Reason: TERMINATION	User ID: DPS4133	Technician name: Don Schumaker	
Instrument Model: M2350-1	S/N: 126182	Calibration Due: 9/22/01	Group: 2
Detector Model: 44-2	Detector S/N: 095085	Type: High Energy Gamma Scintillator, 1x1 NaI	
Background: uR/hr	Gamma Calibration Constant: 1.69084 E10 c/R	PIC ratio: 1.000 (PIC/NaI)	Survey Date: 5/24/01

Pre and Post source checks are included on this download: Yes ✓ No ___
If No is answered, then list the Download Files which include the Pre and Post source checks.
Pre File #: _____ Post File #: _____

Technician Review:

I have reveiwed this cover sheet and 4 pages of the report, 1 pages of comments, and 1 graph.

I performed this survey: Don Schumaker / [signature] Date: 5/24/01
Print name Signature

and,

I performed this survey: _____ / _____ Date: _____
Print name Signature

Corrections and reason (required):

Comment Resolution:

Survey Reviewed and Approved by: Paul Jones / [signature] Date: 6/1/01
Print name Signature

Survey Date: 5/24/01 Report Date: 5/24/01 Station: 2
File: 125 Page: 1

Survey Code	L1	L2	L3	L4	L5	L6
	A0402	01F01	TAT01	03100	FLDCT	B0001

Setup Number 2
Det Cal Due: 9/22/01

Comments

L7 Code Grid ID	L8 Code Location Number	Sample Number	Count Time (sec)	Gross Counts	Gross Micro R/hr	Hi
A	00001	4	10	508	10.8	
A	00002	5	10	591	12.6	
A	00003	6	10	586	12.5	
A	00004	7	10	583	12.4	
A	00005	8	10	548	11.7	
A	00006	9	10	576	12.3	
A	00007	10	10	635	13.5	
A	00008	11	10	576	12.3	
A	00009	12	10	591	12.6	
A	00010	13	10	536	11.4	
A	00011	14	10	579	12.3	
A	00012	15	10	557	11.9	
A	00013	16	10	568	12.1	
A	00014	17	10	561	11.9	
A	00015	18	10	594	12.6	
A	00016	19	10	592	12.6	
A	00017	20	10	625	13.3	
A	00018	21	10	574	12.2	
A	00019	22	10	580	12.3	
A	00020	23	10	648	13.8	
A	00021	24	10	571	12.2	
A	00022	25	10	630	13.4	
A	00023	26	10	589	12.5	
A	00024	27	10	582	12.4	
A	00025	28	10	580	12.3	
A	00026	29	10	609	13.0	
	00027	30	10	576	12.3	
	00028	31	10	619	13.2	
	00029	32	10	585	12.5	
A	00030	33	10	620	13.2	
A	00031	34	10	614	13.1	
A	00032	35	10	621	13.2	
A	00033	36	10	597	12.7	
A	00034	37	10	613	13.1	
A	00035	38	10	609	13.0	
A	00036	39	10	601	12.8	
A	00037	40	10	620	13.2	
A	00038	41	10	607	12.9	
A	00039	42	10	588	12.5	
A	00040	43	10	625	13.3	
A	00041	44	10	612	13.0	
A	00042	45	10	605	12.9	
A	00043	46	10	598	12.7	
A	00044	47	10	575	12.2	
A	00045	48	10	556	11.8	
A	00046	49	10	587	12.5	
A	00047	50	10	561	11.9	
A	00048	51	10	607	12.9	
A	00049	52	10	603	12.8	
A	00050	53	10	560	11.9	
A	00051	54	10	543	11.6	
A	00052	55	10	554	11.8	
A	00053	56	10	523	11.1	
A	00054	57	10	525	11.2	

Group Average: 3519 cpm Average uR/hr: 12.5
Number of measurements: 54

* Hi flag set at 15.0 micro-R/hr.

Survey Date: 5/24/01 Report Date: 5/24/01 Station: 2
File: 125 Page: 2

Survey Code	L1	L2	L3	L4	L5	L6
	A0402	01F02	TAT01	03100	FLDCT	B9999

Setup Number 2
Det Cal Due: 9/22/01

Comments

L7 Code Grid ID	L8 Code Location Number	Sample Number	Count Time (sec)	Gross Counts	Gross Micro R/hr	Hi
A	00001	108	10	539	11.5	
A	00002	109	10	495	10.5	
A	00003	110	10	484	10.3	
B	00001	111	10	460	9.8	
B	00002	112	10	539	11.5	
B	00003	113	10	497	10.6	
B	00004	114	10	511	10.9	
B	00005	115	10	484	10.3	
C	00001	116	10	487	10.4	
C	00002	117	10	476	10.1	
C	00003	118	10	502	10.7	
C	00004	119	10	510	10.9	
C	00005	120	10	515	11.0	
C	00006	121	10	551	11.7	
C	00007	122	10	536	11.4	
C	00008	123	10	530	11.3	
D	00001	124	10	540	11.5	
D	00002	125	10	533	11.3	
D	00003	126	10	463	9.9	
D	00004	127	10	518	11.0	
D	00005	128	10	509	10.8	
D	00006	129	10	525	11.2	
D	00007	130	10	495	10.5	
D	00008	131	10	543	11.6	
D	00009	132	10	536	11.4	
D	00010	133	10	554	11.8	
[illegible]	00011	134	10	553	11.8	
	00012	135	10	547	11.6	
[illegible]	00001	136	10	513	10.9	
E	00002	137	10	537	11.4	
E	00003	138	10	541	11.5	
E	00004	139	10	454	9.7	
E	00005	140	10	553	11.8	
E	00006	141	10	590	12.6	
E	00007	142	10	549	11.7	
E	00008	143	10	544	11.6	
E	00009	144	10	606	12.9	
F	00001	145	10	588	12.5	
F	00002	146	10	545	11.6	
F	00003	147	10	547	11.6	
F	00004	148	10	527	11.2	
F	00005	149	10	524	11.2	
F	00006	150	10	512	10.9	
F	00007	151	10	559	11.9	
F	00008	152	10	554	11.8	
F	00009	153	10	592	12.6	
F	00010	154	10	560	11.9	
F	00011	155	10	572	12.2	
G	00001	156	10	567	12.1	
G	00002	157	10	550	11.7	
G	00003	158	10	556	11.8	
G	00004	159	10	580	12.3	
G	00005	160	10	487	10.4	
G	00006	161	10	617	13.1	
G	00007	162	10	610	13.0	
G	00008	163	10	557	11.9	
G	00009	164	10	604	12.9	
G	00010	165	10	642	13.7	
H	00001	166	10	608	12.9	
H	00002	167	10	611	13.0	
H	00003	168	10	672	14.3	
	00004	169	10	702	14.9	
	00005	170	10	634	13.5	
H	00006	171	10	669	14.2	

* Hi flag set at 15.0 micro-R/hr.

Survey Date: 5/24/01 Report Date: 5/24/01 Station: 2
File: 125 Page: 3

Comments

Survey Code	L1	L2	L3	L4	L5	L6	Setup Number 2
	A0402	01F02	TAT01	03100	FLDCT	B9999	Det Cal Due: 9/22/01

L7 Code Grid ID	L8 Code Location Number	Sample Number	Count Time (sec)	Gross Counts	Gross Micro R/hr	Hi
H	00007	172	10	633	13.5	
I	00001	173	10	708	15.1	*
I	00002	174	10	658	14.0	

Group Average: 3319 cpm Average uR/hr: 11.8
Number of measurements: 67

Survey Code	L1	L2	L3	L4	L5	L6	Setup Number 2
	A0402	02F01	TAT01	03100	FLDCT	B9999	Det Cal Due: 9/22/01

L7 Code Grid ID	L8 Code Location Number	Sample Number	Count Time (sec)	Gross Counts	Gross Micro R/hr	Hi
A	00001	78	10	503	10.7	
A	00002	79	10	456	9.7	
A	00003	80	10	514	10.9	
A	00004	81	10	547	11.6	
A	00005	82	10	517	11.0	
A	00006	83	10	505	10.8	
B	00001	84	10	545	11.6	
B	00002	85	10	390	8.3	
B	00003	86	10	514	10.9	
B	00004	87	10	469	10.0	
[illegible]	00005	88	10	406	8.6	
[illegible]	00006	89	10	468	10.0	
[illegible]	00001	90	10	532	11.3	
C	00002	91	10	452	9.6	
C	00003	92	10	505	10.8	
C	00004	93	10	478	10.2	
C	00005	94	10	368	7.8	
C	00006	95	10	530	11.3	
D	00001	96	10	527	11.2	
D	00002	97	10	447	9.5	
D	00003	98	10	465	9.9	
D	00004	99	10	475	10.1	
D	00005	100	10	491	10.5	
D	00006	101	10	531	11.3	
E	00001	102	10	619	13.2	
E	00002	103	10	543	11.6	
E	00003	104	10	574	12.2	
E	00004	105	10	601	12.8	
E	00005	106	10	576	12.3	
E	00006	107	10	543	11.6	

Group Average: 3018 cpm Average uR/hr: 10.7
Number of measurements: 30

Survey Code	L1	L2	L3	L4	L5	L6	Setup Number 2
	ZZZZZ	19453	TAT01	03100	PRB00	ZZZZZ	Det Cal Due: 9/22/01

L7 Code Grid ID	L8 Code Location Number	Sample Number	Count Time (sec)	Gross Counts	Gross Micro R/hr	Hi
ZZZZZ	00000	1	60	629344	2233.2	*
ZZZZZ	00000	2	60	12291	43.6	*
ZZZZ	00000	3	60	4773	16.9	*

* Hi flag set at 15.0 micro-R/hr.

Survey Date: 5/24/01 Report Date: 5/24/01 Station: 2
File: 125 Page: 4

Comments

Survey Code	L1	L2	L3	L4	L5	L6	Setup Number 2
	ZZZZZ	19453	TAT01	03100	PRB00	ZZZZZ	Det Cal Due: 9/22/01

L7 Code Grid ID	L8 Code Location Number	Sample Number	Count Time (sec)	Gross Counts	Gross Micro R/hr	Hi

Group Average: 215469 cpm Average uR/hr: 764.6
Number of measurements: 3

Survey Code	L1	L2	L3	L4	L5	L6	Setup Number 2
	ZZZZZ	19453	TAT01	03100	PTB00	ZZZZZ	Det Cal Due: 9/22/01

L7 Code Grid ID	L8 Code Location Number	Sample Number	Count Time (sec)	Gross Counts	Gross Micro R/hr	Hi
ZZZZZ	00000	176	60	628946	2231.8	*
ZZZZZ	00000	177	60	12419	44.1	*
ZZZZZ	00000	178	60	4678	16.6	*

Group Average: 215348 cpm Average uR/hr: 764.2
Number of measurements: 3

Survey Code	L1	L2	L3	L4	L5	L6	Setup Number 2
	ZZZZZ	ZZZZZ	TAT01	03100	PRBBK	ZZZZZ	Det Cal Due: 9/22/01

L7 Code Grid ID	L8 Code Location Number	Sample Number	Count Time (sec)	Gross Counts	Gross Micro R/hr	Hi
ZZZZZ	00000	0	300	17320	12.3	

Group Average: 3464 cpm Average uR/hr: 12.3
Number of measurements: 1

Survey Code	L1	L2	L3	L4	L5	L6	Setup Number 2
	ZZZZZ	ZZZZZ	TAT01	03100	PTBBK	ZZZZZ	Det Cal Due: 9/22/01

L7 Code Grid ID	L8 Code Location Number	Sample Number	Count Time (sec)	Gross Counts	Gross Micro R/hr	Hi
ZZZZZ	00000	175	300	17409	12.4	

Group Average: 3482 cpm Average uR/hr: 12.4
Number of measurements: 1

Total Number of Measurements on this Report: 159

NOTE: This report is grouped by:
Package (L1) (Package number)
Setup number (Detector parameters)
Det Type (L4) (GM pancake-flat surface, Beta 3.5-12" pipe, gamma at 1 m, etc.)
Reason (L3-345) (Char survey, source check, final survey, etc.)
Surface Cat (L2) (Wall, floor, drain, penetration, etc.)
Count Type (L5) (Field count, bkg, pre-, post-, etc.)
Bkgd Sub (L6) (Material code, i.e., wood, iron, concr, etc.)

* Hi flag set at 15.0 micro-R/hr.

GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

5/24/01 Comments Report for File 125 Station: 2

Comment Number	Comment
1	Deleted sample numbers from 58 to 77. Because the source used for the building alarms was nearby contributing to a higher reading. Source was removed from area and data points retaken.

GTS:0143 :C:\PDOX35\M2350\COMMENTS:R1

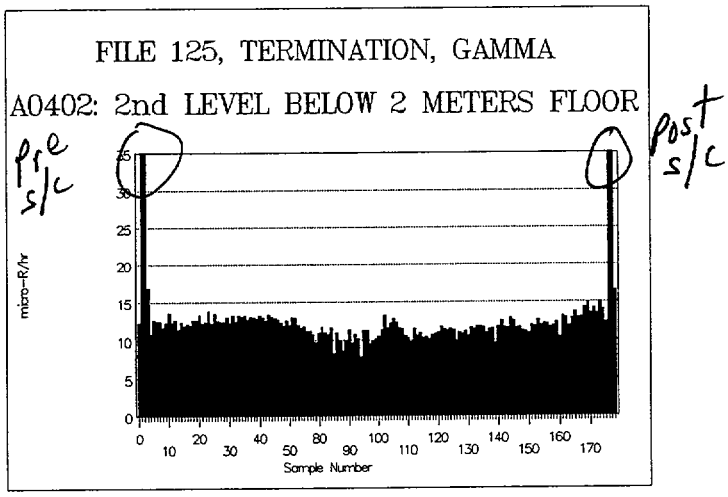
GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

5/24/2001 Graph of File 125 Station: 2

Survey Date: 5/24/2001 Survey Start Time: 11:10:38

Description: A0402: 2nd LEVEL BELOW 2 METERS FLOOR



Flag set for 15 micro-R/hr. Review values greater than this value.

Review this graph for visual outliers.

Mark outliers, source checks and backgrounds on the graph on this page.

Section 5

Package 2
Removable Beta Contamination Summary Data Table for the 2nd Floor Below 2 Meters (including lab reports)

Removable Beta Contamination Summary Data Table for 2nd Floor Below 2 Meters

Desc.	Gross Counts	Count Time (sec)	Sample Area (cm^2)	Surface	Row	Location	Beta Efficiency	Beta Background (cpm)	Activity ($dpm/100cm^2$)	Natural Background ($dpm/100cm^2$)	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)
Catwalk Floor	2	90	100	01F01	A	00001	0.343	1.50	0	0	0	16
	9	90	100	01F01	A	00002	0.343	1.50	13	0	13	16
	6	90	100	01F01	A	00003	0.343	1.50	7	0	7	16
	8	90	100	01F01	A	00004	0.343	1.50	11	0	11	16
	3	90	100	01F01	A	00005	0.343	1.50	1	0	1	16
	1	90	100	01F01	A	00006	0.343	1.50	-2	0	-2	16
	11	90	100	01F01	A	00007	0.343	1.50	17	0	17	16
	9	90	100	01F01	A	00008	0.343	1.50	13	0	13	16
	2	90	100	01F01	A	00009	0.343	1.50	0	0	0	16
	4	90	100	01F01	A	00010	0.343	1.50	3	0	3	16
	2	90	100	01F01	A	00011	0.343	1.50	0	0	0	16
	9	90	100	01F01	A	00012	0.343	1.50	13	0	13	16
	5	90	100	01F01	A	00013	0.343	1.50	5	0	5	16
	4	90	100	01F01	A	00014	0.343	1.50	3	0	3	16
	2	90	100	01F01	A	00015	0.343	1.50	0	0	0	16
	0	90	100	01F01	A	00016	0.343	1.50	-4	0	-4	16
	8	90	100	01F01	A	00017	0.343	1.50	11	0	11	16
	3	90	100	01F01	A	00018	0.343	1.50	1	0	1	16
	10	90	100	01F01	A	00019	0.343	1.50	15	0	15	16
	7	90	100	01F01	A	00020	0.343	1.50	9	0	9	16
	5	90	100	01F01	A	00021	0.343	1.50	5	0	5	16
	7	90	100	01F01	A	00022	0.343	1.50	9	0	9	16
	10	90	100	01F01	A	00023	0.343	1.50	15	0	15	16
	1	90	100	01F01	A	00024	0.343	1.50	-2	0	-2	16
	1	90	100	01F01	A	00025	0.343	1.50	-2	0	-2	16
	4	90	100	01F01	A	00026	0.343	1.50	3	0	3	16
	5	90	100	01F01	A	00027	0.343	1.50	5	0	5	16
	12	90	100	01F01	A	00028	0.343	1.50	19	0	19	16
	5	90	100	01F01	A	00029	0.343	1.50	5	0	5	16
	4	90	100	01F01	A	00030	0.343	1.50	3	0	3	16
	6	90	100	01F01	A	00031	0.343	1.50	7	0	7	16
	4	90	100	01F01	A	00032	0.343	1.50	3	0	3	16
	9	90	100	01F01	A	00033	0.343	1.50	13	0	13	16
	9	90	100	01F01	A	00034	0.343	1.50	13	0	13	16
	3	90	100	01F01	A	00035	0.343	1.50	1	0	1	16
	7	90	100	01F01	A	00036	0.343	1.50	9	0	9	16
	6	90	100	01F01	A	00037	0.343	1.50	7	0	7	16
	5	90	100	01F01	A	00038	0.343	1.50	5	0	5	16
	5	90	100	01F01	A	00039	0.343	1.50	5	0	5	16
	5	90	100	01F01	A	00040	0.343	1.50	5	0	5	16
	7	90	100	01F01	A	00041	0.343	1.50	9	0	9	16
	10	90	100	01F01	A	00042	0.343	1.50	15	0	15	16
	3	90	100	01F01	A	00043	0.343	1.50	1	0	1	16
	7	90	100	01F01	A	00044	0.343	1.50	9	0	9	16
	20	90	100	01F01	A	00045	0.343	1.50	35	0	35	16
	7	90	100	01F01	A	00046	0.343	1.50	9	0	9	16
	13	90	100	01F01	A	00047	0.343	1.50	21	0	21	16
	10	90	100	01F01	A	00048	0.343	1.50	15	0	15	16
	3	90	100	01F01	A	00049	0.343	1.50	1	0	1	16

077

Removable Beta Contamination Summary Data Table for 2nd Floor Below 2 Meters

Desc.	Gross Counts	Count Time (sec)	Sample Area (cm^2)	Surface	Row	Location	Beta Efficiency	Beta Background (cpm)	Activity ($dpm/100cm^2$)	Natural Background ($dpm/100cm^2$)	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)
	12	90	100	01F01	A	00050	0.343	1.50	19	0	19	16
	7	90	100	01F01	A	00051	0.343	1.50	9	0	9	16
	0	90	100	01F01	A	00052	0.343	1.50	-4	0	-4	16
	1	90	100	01F01	A	00053	0.343	1.50	-2	0	-2	16
	4	90	100	01F01	A	00054	0.343	1.50	3	0	3	16
										# Measurements	54	
										Average	7	
										Maximum	35	
										STD DEV	7	
										95% CL on Mean	9	
Floor O/S Control Room	8	90	100	01F02	A	00001	0.343	0.80	13	0	13	13
	4	90	100	01F02	A	00002	0.343	0.80	5	0	5	13
	6	90	100	01F02	A	00003	0.343	0.80	9	0	9	13
	11	90	100	01F02	B	00001	0.343	0.80	19	0	19	13
	10	90	100	01F02	B	00002	0.343	0.80	17	0	17	13
	6	90	100	01F02	B	00003	0.343	0.80	9	0	9	13
	13	90	100	01F02	B	00004	0.343	0.80	23	0	23	13
	13	90	100	01F02	B	00005	0.343	0.80	23	0	23	13
	12	90	100	01F02	C	00001	0.343	0.80	21	0	21	13
	14	90	100	01F02	C	00002	0.343	0.80	25	0	25	13
	13	90	100	01F02	C	00003	0.343	0.80	23	0	23	13
	17	90	100	01F02	C	00004	0.343	0.80	31	0	31	13
	17	90	100	01F02	C	00005	0.343	0.80	31	0	31	13
	19	90	100	01F02	C	00006	0.343	0.80	35	0	35	13
	20	90	100	01F02	C	00007	0.343	0.80	37	0	37	13
	19	90	100	01F02	C	00008	0.343	0.80	35	0	35	13
	6	90	100	01F02	D	00001	0.343	0.80	9	0	9	13
	10	90	100	01F02	D	00002	0.343	0.80	17	0	17	13
	2	90	100	01F02	D	00003	0.343	0.80	2	0	2	13
	15	90	100	01F02	D	00004	0.343	0.80	27	0	27	13
	5	90	100	01F02	D	00005	0.343	0.80	7	0	7	13
	13	90	100	01F02	D	00006	0.343	0.80	23	0	23	13
	6	90	100	01F02	D	00007	0.343	0.80	9	0	9	13
	20	90	100	01F02	D	00008	0.343	0.80	37	0	37	13
	12	90	100	01F02	D	00009	0.343	0.80	21	0	21	13
	6	90	100	01F02	D	00010	0.343	0.80	9	0	9	13
	12	90	100	01F02	D	00011	0.343	0.80	21	0	21	13
	7	90	100	01F02	D	00012	0.343	0.80	11	0	11	13
	14	90	100	01F02	E	00001	0.343	0.80	25	0	25	13
	4	90	100	01F02	E	00002	0.343	0.80	5	0	5	13
	9	90	100	01F02	E	00003	0.343	0.80	15	0	15	13
	7	90	100	01F02	E	00004	0.343	0.80	11	0	11	13
	11	90	100	01F02	E	00005	0.343	0.80	19	0	19	13
	4	90	100	01F02	E	00006	0.343	0.80	5	0	5	13
	10	90	100	01F02	E	00007	0.343	0.80	17	0	17	13
	6	90	100	01F02	E	00008	0.343	0.80	9	0	9	13

0728

Removable Beta Contamination Summary Data Table for 2nd Floor Below 2 Meters

Desc.	Gross Counts	Count Time (sec)	Sample Area (cm^2)	Surface	Row	Location	Beta Efficiency	Beta Background (cpm)	Activity ($dpm/100cm^2$)	Natural Background ($dpm/100cm^2$)	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)
	10	90	100	01F02	E	00009	0.343	0.80	17	0	17	13
	11	90	100	01F02	F	00001	0.343	0.80	19	0	19	13
	2	90	100	01F02	F	00002	0.343	0.80	2	0	2	13
	6	90	100	01F02	F	00003	0.343	0.80	9	0	9	13
	8	90	100	01F02	F	00004	0.343	0.80	13	0	13	13
	8	90	100	01F02	F	00005	0.343	0.80	13	0	13	13
	4	90	100	01F02	F	00006	0.343	0.80	5	0	5	13
	7	90	100	01F02	F	00007	0.343	0.80	11	0	11	13
	3	90	100	01F02	F	00008	0.343	0.80	4	0	4	13
	8	90	100	01F02	F	00009	0.343	0.80	13	0	13	13
	5	90	100	01F02	F	00010	0.343	0.80	7	0	7	13
	7	90	100	01F02	F	00011	0.343	0.80	11	0	11	13
	2	90	100	01F02	G	00001	0.343	0.80	2	0	2	13
	5	90	100	01F02	G	00002	0.343	0.80	7	0	7	13
	6	90	100	01F02	G	00003	0.343	0.80	9	0	9	13
	6	90	100	01F02	G	00004	0.343	0.80	9	0	9	13
	11	90	100	01F02	G	00005	0.343	0.80	19	0	19	13
	10	90	100	01F02	G	00006	0.343	0.80	17	0	17	13
	3	90	100	01F02	G	00007	0.343	0.80	4	0	4	13
	5	90	100	01F02	G	00008	0.343	0.80	7	0	7	13
	3	90	100	01F02	G	00009	0.343	0.80	4	0	4	13
	8	90	100	01F02	G	00010	0.343	0.80	13	0	13	13
	7	90	100	01F02	H	00001	0.343	0.80	11	0	11	13
	1	90	100	01F02	H	00002	0.343	0.80	0	0	0	13
	7	90	100	01F02	H	00003	0.343	0.80	11	0	11	13
	12	90	100	01F02	H	00004	0.343	0.80	21	0	21	13
	10	90	100	01F02	H	00005	0.343	0.80	17	0	17	13
	5	90	100	01F02	H	00006	0.343	0.80	7	0	7	13
	12	90	100	01F02	H	00007	0.343	0.80	21	0	21	13
	4	90	100	01F02	I	00001	0.343	0.80	5	0	5	13
	5	90	100	01F02	I	00002	0.343	0.80	7	0	7	13
										# Measurements	67	
										Average	15	
										Maximum	37	
										STD DEV	9	
										95% CL on Mean	17	
Control Room Floor	2	90	100	02F01	A	00001	0.343	1.300	0	0	0	15
	6	90	100	02F01	A	00002	0.343	1.300	8	0	8	15
	4	90	100	02F01	A	00003	0.343	1.300	4	0	4	15
	3	90	100	02F01	A	00004	0.343	1.300	2	0	2	15
	4	90	100	02F01	A	00005	0.343	1.300	4	0	4	15
	6	90	100	02F01	A	00006	0.343	1.300	8	0	8	15
	5	90	100	02F01	B	00001	0.343	1.300	6	0	6	15
	2	90	100	02F01	B	00002	0.343	1.300	0	0	0	15
	9	90	100	02F01	B	00003	0.343	1.300	14	0	14	15
	4	90	100	02F01	B	00004	0.343	1.300	4	0	4	15

Removable Beta Contamination Summary Data Table for 2nd Floor Below 2 Meters

Desc.	Gross Counts	Count Time (sec)	Sample Area (cm^2)	Surface	Row	Location	Beta Efficiency	Beta Background (cpm)	Activity ($dpm/100cm^2$)	Natural Background ($dpm/100cm^2$)	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)
	2	90	100	02F01	B	00005	0.343	1.300	0	0	0	15
	7	90	100	02F01	B	00006	0.343	1.300	10	0	10	15
	6	90	100	02F01	C	00001	0.343	1.300	8	0	8	15
	11	90	100	02F01	C	00002	0.343	1.300	18	0	18	15
	6	90	100	02F01	C	00003	0.343	1.300	8	0	8	15
	3	90	100	02F01	C	00004	0.343	1.300	2	0	2	15
	4	90	100	02F01	C	00005	0.343	1.300	4	0	4	15
	7	90	100	02F01	C	00006	0.343	1.300	10	0	10	15
	3	90	100	02F01	D	00001	0.343	1.300	2	0	2	15
	6	90	100	02F01	D	00002	0.343	1.300	8	0	8	15
	4	90	100	02F01	D	00003	0.343	1.300	4	0	4	15
	9	90	100	02F01	D	00004	0.343	1.300	14	0	14	15
	8	90	100	02F01	D	00005	0.343	1.300	12	0	12	15
	8	90	100	02F01	D	00006	0.343	1.300	12	0	12	15
	8	90	100	02F01	E	00001	0.343	1.300	12	0	12	15
	3	90	100	02F01	E	00002	0.343	1.300	2	0	2	15
	1	90	100	02F01	E	00003	0.343	1.300	-2	0	-2	15
	5	90	100	02F01	E	00004	0.343	1.300	6	0	6	15
	4	90	100	02F01	E	00005	0.343	1.300	4	0	4	15
	10	90	100	02F01	E	00006	0.343	1.300	16	0	16	15
										# Measurements	30	
										Average	7	
										Maximum	18	
										STD DEV	5	
										95% CL on Mean	8	
Control Room Walls												
Wall1	1	90	100	02W01	A	00001	0.343	0.80	0	0	0	13
	0	90	100	02W01	A	00002	0.343	0.80	-2	0	-2	13
	1	90	100	02W01	A	00003	0.343	0.80	0	0	0	13
	2	90	100	02W01	A	00004	0.343	0.80	2	0	2	13
	1	90	100	02W01	A	00005	0.343	0.80	0	0	0	13
	1	90	100	02W01	A	00006	0.343	0.80	0	0	0	13
	2	90	100	02W01	B	00001	0.343	0.80	2	0	2	13
	1	90	100	02W01	B	00002	0.343	0.80	0	0	0	13
	2	90	100	02W01	B	00003	0.343	0.80	2	0	2	13
	4	90	100	02W01	B	00004	0.343	0.80	5	0	5	13
	1	90	100	02W01	B	00005	0.343	0.80	0	0	0	13
	5	90	100	02W01	B	00006	0.343	0.80	7	0	7	13
Wall2	4	90	100	02W02	A	00001	0.343	1.50	3	0	3	16
	3	90	100	02W02	A	00002	0.343	1.50	1	0	1	16
	1	90	100	02W02	A	00003	0.343	1.50	-2	0	-2	16
	3	90	100	02W02	A	00004	0.343	1.50	1	0	1	16
	9	90	100	02W02	A	00005	0.343	1.50	13	0	13	16
	0	90	100	02W02	B	00001	0.343	1.50	-4	0	-4	16
	2	90	100	02W02	B	00002	0.343	1.50	0	0	0	16
	4	90	100	02W02	B	00003	0.343	1.50	3	0	3	16
	0	90	100	02W02	B	00004	0.343	1.50	-4	0	-4	16

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Removable Beta Contamination Summary Data Table for 2nd Floor Below 2 Meters

Desc.	Gross Counts	Count Time (sec)	Sample Area (cm^2)	Surface	Row	Location	Beta Efficiency	Beta Background (cpm)	Activity ($dpm/100cm^2$)	Natural Background ($dpm/100cm^2$)	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)
	1	90	100	02W02	B	00005	0.343	1.50	-2	0	-2	16
Wall3	1	90	100	02W03	A	00001	0.343	1.30	-2	0	-2	15
	1	90	100	02W03	A	00002	0.343	1.30	-2	0	-2	15
	6	90	100	02W03	A	00003	0.343	1.30	8	0	8	15
	9	90	100	02W03	A	00004	0.343	1.30	14	0	14	15
	4	90	100	02W03	A	00005	0.343	1.30	4	0	4	15
	3	90	100	02W03	A	00006	0.343	1.30	2	0	2	15
	0	90	100	02W03	B	00001	0.343	1.30	-4	0	-4	15
	0	90	100	02W03	B	00002	0.343	1.30	-4	0	-4	15
	1	90	100	02W03	B	00003	0.343	1.30	-2	0	-2	15
	0	90	100	02W03	B	00004	0.343	1.30	-4	0	-4	15
	1	90	100	02W03	B	00005	0.343	1.30	-2	0	-2	15
	1	90	100	02W03	B	00006	0.343	1.30	-2	0	-2	15
Wall4	6	90	100	02W04	A	00001	0.343	1.50	7	0	7	16
	3	90	100	02W04	A	00002	0.343	1.50	1	0	1	16
	2	90	100	02W04	A	00003	0.343	1.50	0	0	0	16
	3	90	100	02W04	A	00004	0.343	1.50	1	0	1	16
	1	90	100	02W04	A	00005	0.343	1.50	-2	0	-2	16
	5	90	100	02W04	B	00001	0.343	1.50	5	0	5	16
	5	90	100	02W04	B	00002	0.343	1.50	5	0	5	16
	2	90	100	02W04	B	00003	0.343	1.50	0	0	0	16
	2	90	100	02W04	B	00004	0.343	1.50	0	0	0	16
	4	90	100	02W04	B	00005	0.343	1.50	3	0	3	16
										# Measurements	44	
										Average	1	
										Maximum	14	
										STD DEV	4	
										95% CL on Mean	2	
ECCS Tank Platform	2	90	100	01S01	ZZZZZ	00001	0.343	1.30	0	0	0	15
	6	90	100	01S01	ZZZZZ	00002	0.343	1.30	8	0	8	15
	4	90	100	01S01	ZZZZZ	00003	0.343	1.30	4	0	4	15
	7	90	100	01S01	ZZZZZ	00004	0.343	1.30	10	0	10	15
	13	90	100	01S01	ZZZZZ	00005	0.343	1.30	22	0	22	15
	4	90	100	01S01	ZZZZZ	00006	0.343	1.30	4	0	4	15
	18	90	100	01S01	ZZZZZ	00007	0.343	1.30	31	0	31	15
	6	90	100	01S01	ZZZZZ	00008	0.343	1.30	8	0	8	15
	7	90	100	01S01	ZZZZZ	00009	0.343	1.30	10	0	10	15
	9	90	100	01S01	ZZZZZ	00010	0.343	1.30	14	0	14	15
Control Room Elec. Panel	3	90	100	02EQ1	A	00001	0.343	0.80	4	0	4	13
	3	90	100	02EQ1	A	00002	0.343	0.80	4	0	4	13
	8	90	100	02EQ1	A	00003	0.343	0.80	13	0	13	13
	8	90	100	02EQ1	A	00004	0.343	0.80	13	0	13	13
	7	90	100	02EQ1	A	00005	0.343	0.80	11	0	11	13
	0	90	100	02EQ1	A	00006	0.343	0.80	-2	0	-2	13
	4	90	100	02EQ1	A	00007	0.343	0.80	5	0	5	13

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Removable Beta Contamination Summary Data Table for 2nd Floor Below 2 Meters

Desc.	Gross Counts	Count Time (sec)	Sample Area (cm^2)	Surface	Row	Location	Beta Efficiency	Beta Background (cpm)	Activity ($dpm/100cm^2$)	Natural Background ($dpm/100cm^2$)	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)
	9	90	100	02EQ1	A	00008	0.343	0.80	15	0	15	13
	3	90	100	02EQ1	A	00009	0.343	0.80	4	0	4	13
	1	90	100	02EQ1	A	00010	0.343	0.80	0	0	0	13
	7	90	100	02EQ1	A	00011	0.343	0.80	11	0	11	13
	11	90	100	02EQ1	A	00012	0.343	0.80	19	0	19	13
	8	90	100	02EQ1	A	00013	0.343	0.80	13	0	13	13
	4	90	100	02EQ1	A	00014	0.343	0.80	5	0	5	13
	5	90	100	02EQ1	A	00015	0.343	0.80	7	0	7	13
	3	90	100	02EQ1	A	00016	0.343	0.80	4	0	4	13
	7	90	100	02EQ1	A	00017	0.343	0.80	11	0	11	13
	5	90	100	02EQ1	A	00018	0.343	0.80	7	0	7	13
	11	90	100	02EQ1	A	00019	0.343	0.80	19	0	19	13
	3	90	100	02EQ1	B	00001	0.343	0.80	4	0	4	13
	0	90	100	02EQ1	B	00002	0.343	0.80	-2	0	-2	13
	2	90	100	02EQ1	B	00003	0.343	0.80	2	0	2	13
	3	90	100	02EQ1	B	00004	0.343	0.80	4	0	4	13
	1	90	100	02EQ1	B	00005	0.343	0.80	0	0	0	13
	3	90	100	02EQ1	B	00006	0.343	0.80	4	0	4	13
	3	90	100	02EQ1	B	00007	0.343	0.80	4	0	4	13
	7	90	100	02EQ1	B	00008	0.343	0.80	11	0	11	13
	0	90	100	02EQ1	B	00009	0.343	0.80	-2	0	-2	13
	3	90	100	02EQ1	B	00010	0.343	0.80	4	0	4	13
	4	90	100	02EQ1	B	00011	0.343	0.80	5	0	5	13
	4	90	100	02EQ1	B	00012	0.343	0.80	5	0	5	13
	7	90	100	02EQ1	B	00013	0.343	0.80	11	0	11	13
	1	90	100	02EQ1	B	00014	0.343	0.80	0	0	0	13
	3	90	100	02EQ1	B	00015	0.343	0.80	4	0	4	13
	5	90	100	02EQ1	B	00016	0.343	0.80	7	0	7	13
	0	90	100	02EQ1	B	00017	0.343	0.80	-2	0	-2	13
	1	90	100	02EQ1	B	00018	0.343	0.80	0	0	0	13
	0	90	100	02EQ1	B	00019	0.343	0.80	-2	0	-2	13
										# Measurements	48	
										Average	7	
										Maximum	31	
										STD DEV	7	
										95% CL on Mean	9	
Vent 1	6	90	100	01V01	ZZZZZ	00001	0.343	0.80	9	0	9	13
	12	90	100	01V01	ZZZZZ	00002	0.343	0.80	21	0	21	13
	5	90	100	01V01	ZZZZZ	00003	0.343	0.80	7	0	7	13
	12	90	100	01V01	ZZZZZ	00004	0.343	0.80	21	0	21	13
	10	90	100	01V01	ZZZZZ	00005	0.343	0.80	17	0	17	13
										# Measurements	5	
										Average	15	
										Maximum	21	
										STD DEV	6	
										95% CL on Mean	22	

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Removable Beta Contamination Summary Data Table for 2nd Floor Below 2 Meters

Desc.	Gross Counts	Count Time (sec)	Sample Area (cm^2)	Surface	Row	Location	Beta Efficiency	Beta Background (cpm)	Activity ($dpm/100cm^2$)	Natural Background ($dpm/100cm^2$)	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)
Wall 1	1	90	100	01W01	A	00001	0.343	1.50	-2	0	-2	16
	1	90	100	01W01	A	00002	0.343	1.50	-2	0	-2	16
	2	90	100	01W01	A	00003	0.343	1.50	0	0	0	16
	10	90	100	01W01	A	00004	0.343	1.50	15	0	15	16
	2	90	100	01W01	A	00005	0.343	1.50	0	0	0	16
	0	90	100	01W01	A	00006	0.343	1.50	-4	0	-4	16
	1	90	100	01W01	A	00007	0.343	1.50	-2	0	-2	16
	3	90	100	01W01	A	00008	0.343	1.50	1	0	1	16
	3	90	100	01W01	A	00009	0.343	1.50	1	0	1	16
	3	90	100	01W01	A	00010	0.343	1.50	1	0	1	16
	2	90	100	01W01	A	00011	0.343	1.50	0	0	0	16
	0	90	100	01W01	A	00012	0.343	1.50	-4	0	-4	16
	3	90	100	01W01	A	00013	0.343	1.50	1	0	1	16
	1	90	100	01W01	A	00014	0.343	1.50	-2	0	-2	16
	4	90	100	01W01	A	00015	0.343	1.50	3	0	3	16
	1	90	100	01W01	A	00016	0.343	1.50	-2	0	-2	16
	6	90	100	01W01	A	00017	0.343	1.50	7	0	7	16
	2	90	100	01W01	A	00018	0.343	1.50	0	0	0	16
	4	90	100	01W01	A	00019	0.343	1.50	3	0	3	16
	14	90	100	01W01	A	00020	0.343	1.50	23	0	23	16
	1	90	100	01W01	A	00021	0.343	1.50	-2	0	-2	16
	5	90	100	01W01	A	00022	0.343	1.50	5	0	5	16
	2	90	100	01W01	A	00023	0.343	1.50	0	0	0	16
	1	90	100	01W01	A	00024	0.343	1.50	-2	0	-2	16
	2	90	100	01W01	A	00025	0.343	1.50	0	0	0	16
	4	90	100	01W01	A	00026	0.343	1.50	3	0	3	16
	2	90	100	01W01	A	00027	0.343	1.50	0	0	0	16
	6	90	100	01W01	A	00028	0.343	1.50	7	0	7	16
	4	90	100	01W01	A	00029	0.343	1.50	3	0	3	16
	10	90	100	01W01	A	00030	0.343	1.50	15	0	15	16
	3	90	100	01W01	A	00031	0.343	1.50	1	0	1	16
	3	90	100	01W01	A	00032	0.343	1.50	1	0	1	16
	2	90	100	01W01	A	00033	0.343	1.50	0	0	0	16
	2	90	100	01W01	A	00034	0.343	1.50	0	0	0	16
	1	90	100	01W01	A	00035	0.343	1.50	-2	0	-2	16
	5	90	100	01W01	A	00036	0.343	1.50	5	0	5	16
	5	90	100	01W01	A	00037	0.343	1.50	5	0	5	16
	3	90	100	01W01	A	00038	0.343	1.50	1	0	1	16
	5	90	100	01W01	A	00039	0.343	1.50	5	0	5	16
	1	90	100	01W01	A	00040	0.343	1.50	-2	0	-2	16
	3	90	100	01W01	A	00041	0.343	1.50	1	0	1	16
	3	90	100	01W01	A	00042	0.343	1.50	1	0	1	16
	0	90	100	01W01	A	00043	0.343	1.50	-4	0	-4	16
	1	90	100	01W01	A	00044	0.343	1.50	-2	0	-2	16
	1	90	100	01W01	A	00045	0.343	1.50	-2	0	-2	16
	1	90	100	01W01	A	00046	0.343	1.50	-2	0	-2	16
	0	90	100	01W01	A	00047	0.343	1.50	-4	0	-4	16
	7	90	100	01W01	A	00048	0.343	1.50	9	0	9	16

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Removable Beta Contamination Summary Data Table for 2nd Floor Below 2 Meters

Desc.	Gross Counts	Count Time (sec)	Sample Area (cm^2)	Surface	Row	Location	Beta Efficiency	Beta Background (cpm)	Activity ($dpm/100cm^2$)	Natural Background ($dpm/100cm^2$)	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)
	3	90	100	01W01	A	00049	0.343	1.50	1	0	1	16
	0	90	100	01W01	A	00050	0.343	1.50	-4	0	-4	16
	3	90	100	01W01	A	00051	0.343	1.50	1	0	1	16
	4	90	100	01W01	A	00052	0.343	1.50	3	0	3	16
	1	90	100	01W01	A	00053	0.343	1.50	-2	0	-2	16
	5	90	100	01W01	A	00054	0.343	1.50	5	0	5	16
	2	90	100	01W01	A	00055	0.343	1.50	0	0	0	16
	1	90	100	01W01	A	00056	0.343	1.50	-2	0	-2	16
	1	90	100	01W01	A	00057	0.343	1.50	-2	0	-2	16
	3	90	100	01W01	A	00058	0.343	1.50	1	0	1	16
	2	90	100	01W01	A	00059	0.343	1.50	0	0	0	16
	0	90	100	01W01	A	00060	0.343	1.50	-4	0	-4	16
	3	90	100	01W01	A	00061	0.343	1.50	1	0	1	16
	5	90	100	01W01	A	00062	0.343	1.50	5	0	5	16
	4	90	100	01W01	A	00063	0.343	1.50	3	0	3	16
	6	90	100	01W01	A	00064	0.343	1.50	7	0	7	16
	2	90	100	01W01	A	00065	0.343	1.50	0	0	0	16
	1	90	100	01W01	A	00066	0.343	1.50	-2	0	-2	16
	3	90	100	01W01	A	00067	0.343	1.50	1	0	1	16
	2	90	100	01W01	A	00068	0.343	1.50	0	0	0	16
	1	90	100	01W01	A	00069	0.343	1.50	-2	0	-2	16
	0	90	100	01W01	A	00070	0.343	1.50	-4	0	-4	16
	3	90	100	01W01	A	00071	0.343	1.50	1	0	1	16
	1	90	100	01W01	A	00072	0.343	1.50	-2	0	-2	16
	3	90	100	01W01	A	00073	0.343	1.50	1	0	1	16
	0	90	100	01W01	A	00074	0.343	1.50	-4	0	-4	16
	1	90	100	01W01	A	00075	0.343	1.50	-2	0	-2	16
	2	90	100	01W01	A	00076	0.343	1.50	0	0	0	16
	1	90	100	01W01	A	00077	0.343	1.50	-2	0	-2	16
	2	90	100	01W01	A	00078	0.343	1.50	0	0	0	16
	4	90	100	01W01	A	00079	0.343	1.50	3	0	3	16
	0	90	100	01W01	A	00080	0.343	1.50	-4	0	-4	16
	2	90	100	01W01	A	00081	0.343	1.50	0	0	0	16
	4	90	100	01W01	A	00082	0.343	1.50	3	0	3	16
	1	90	100	01W01	A	00083	0.343	1.50	-2	0	-2	16
	0	90	100	01W01	A	00084	0.343	1.50	-4	0	-4	16
	3	90	100	01W01	A	00085	0.343	1.50	1	0	1	16
	3	90	100	01W01	A	00086	0.343	1.50	1	0	1	16
	0	90	100	01W01	A	00087	0.343	1.50	-4	0	-4	16
	4	90	100	01W01	A	00088	0.343	1.50	3	0	3	16
	4	90	100	01W01	A	00089	0.343	1.50	3	0	3	16
	6	90	100	01W01	A	00090	0.343	1.50	7	0	7	16
	2	90	100	01W01	A	00091	0.343	1.50	0	0	0	16
	0	90	100	01W01	B	00001	0.343	1.50	-4	0	-4	16
	2	90	100	01W01	B	00002	0.343	1.50	0	0	0	16
	7	90	100	01W01	B	00003	0.343	1.50	9	0	9	16
	2	90	100	01W01	B	00004	0.343	1.50	0	0	0	16
	4	90	100	01W01	B	00005	0.343	1.50	3	0	3	16
	4	90	100	01W01	B	00006	0.343	1.50	3	0	3	16

Removable Beta Contamination Summary Data Table for 2nd Floor Below 2 Meters

Desc.	Gross Counts	Count Time (sec)	Sample Area (cm^2)	Surface	Row	Location	Beta Efficiency	Beta Background (cpm)	Activity ($dpm/100cm^2$)	Natural Background ($dpm/100cm^2$)	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)
	3	90	100	01W01	B	00007	0.343	1.50	1	0	1	16
	1	90	100	01W01	B	00008	0.343	1.50	-2	0	-2	16
	0	90	100	01W01	B	00009	0.343	1.50	-4	0	-4	16
	1	90	100	01W01	B	00010	0.343	1.50	-2	0	-2	16
	1	90	100	01W01	B	00011	0.343	1.50	-2	0	-2	16
	0	90	100	01W01	B	00012	0.343	1.50	-4	0	-4	16
	3	90	100	01W01	B	00013	0.343	1.50	1	0	1	16
	4	90	100	01W01	B	00014	0.343	1.50	3	0	3	16
	2	90	100	01W01	B	00015	0.343	1.50	0	0	0	16
	2	90	100	01W01	B	00016	0.343	1.50	0	0	0	16
	1	90	100	01W01	B	00017	0.343	1.50	-2	0	-2	16
	1	90	100	01W01	B	00018	0.343	1.50	-2	0	-2	16
	7	90	100	01W01	B	00019	0.343	1.50	9	0	9	16
	0	90	100	01W01	B	00020	0.343	1.60	-5	0	-5	16
	8	90	100	01W01	B	00021	0.343	1.50	11	0	11	16
	8	90	100	01W01	B	00022	0.343	1.50	11	0	11	16
	7	90	100	01W01	B	00023	0.343	1.50	9	0	9	16
	1	90	100	01W01	B	00024	0.343	1.50	-2	0	-2	16
	2	90	100	01W01	B	00025	0.343	1.50	0	0	0	16
	0	90	100	01W01	B	00026	0.343	1.50	-4	0	-4	16
	1	90	100	01W01	B	00027	0.343	1.50	-2	0	-2	16
	4	90	100	01W01	B	00028	0.343	1.50	3	0	3	16
	7	90	100	01W01	B	00029	0.343	1.50	9	0	9	16
	2	90	100	01W01	B	00030	0.343	1.50	0	0	0	16
	0	90	100	01W01	B	00031	0.343	1.50	-4	0	-4	16
	4	90	100	01W01	B	00032	0.343	1.50	3	0	3	16
	0	90	100	01W01	B	00033	0.343	1.50	-4	0	-4	16
	4	90	100	01W01	B	00034	0.343	1.50	3	0	3	16
	1	90	100	01W01	B	00035	0.343	1.50	-2	0	-2	16
	2	90	100	01W01	B	00036	0.343	1.50	0	0	0	16
	1	90	100	01W01	B	00037	0.343	1.50	-2	0	-2	16
	3	90	100	01W01	B	00038	0.343	1.50	1	0	1	16
	5	90	100	01W01	B	00039	0.343	1.50	5	0	5	16
	6	90	100	01W01	B	00040	0.343	1.50	7	0	7	16
	1	90	100	01W01	B	00041	0.343	1.50	-2	0	-2	16
	3	90	100	01W01	B	00042	0.343	1.50	1	0	1	16
	7	90	100	01W01	B	00043	0.343	1.50	9	0	9	16
	1	90	100	01W01	B	00044	0.343	1.50	-2	0	-2	16
	1	90	100	01W01	B	00045	0.343	1.50	-2	0	-2	16
	6	90	100	01W01	B	00046	0.343	1.50	7	0	7	16
	2	90	100	01W01	B	00047	0.343	1.50	0	0	0	16
	2	90	100	01W01	B	00048	0.343	1.50	0	0	0	16
	4	90	100	01W01	B	00049	0.343	1.50	3	0	3	16
	2	90	100	01W01	B	00050	0.343	1.50	0	0	0	16
	3	90	100	01W01	B	00051	0.343	1.50	1	0	1	16
	3	90	100	01W01	B	00052	0.343	1.50	1	0	1	16
	2	90	100	01W01	B	00053	0.343	1.50	0	0	0	16
	1	90	100	01W01	B	00054	0.343	1.50	-2	0	-2	16
	1	90	100	01W01	B	00055	0.343	1.50	-2	0	-2	16

085

Removable Beta Contamination Summary Data Table for 2nd Floor Below 2 Meters

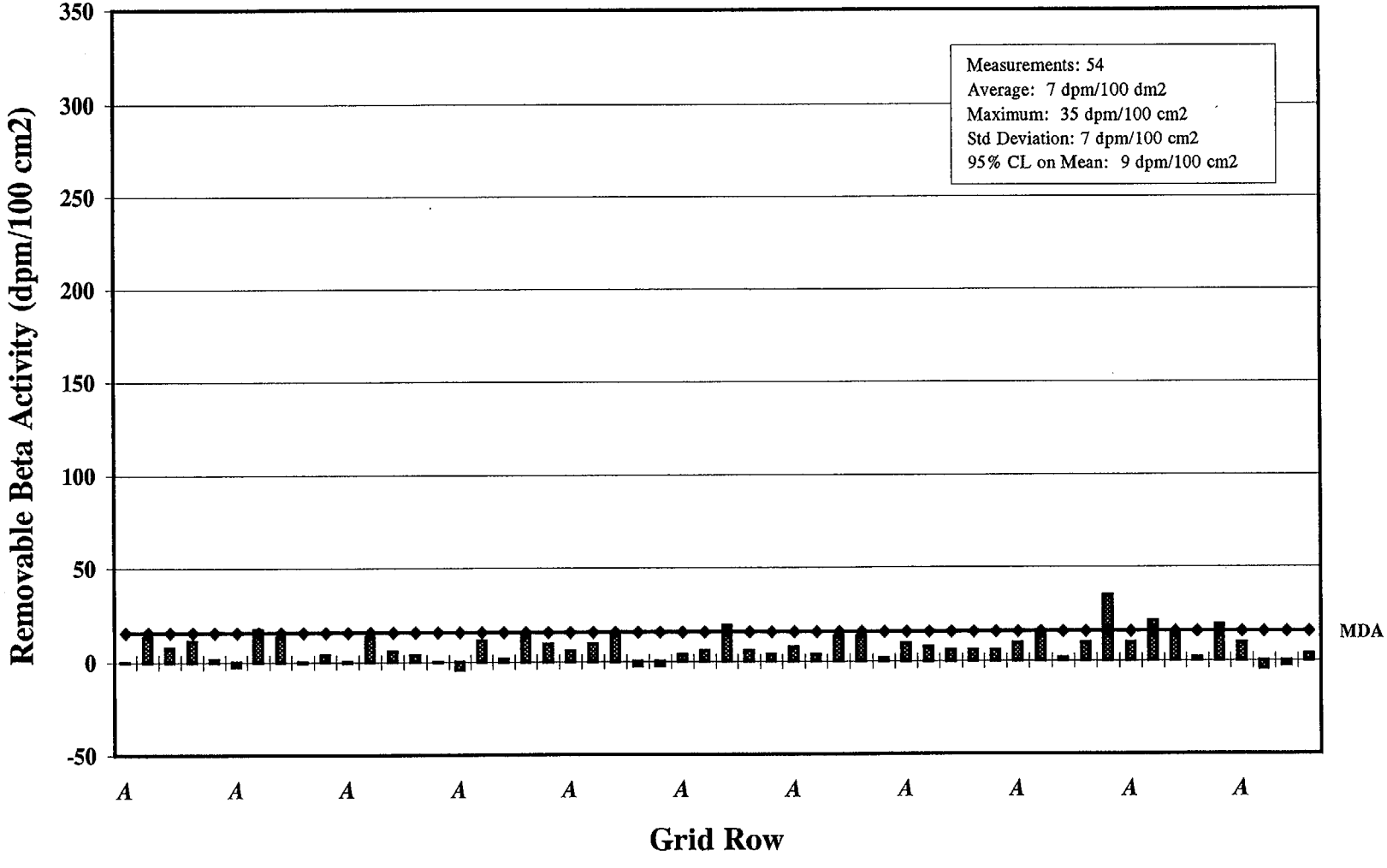
Desc.	Gross Counts	Count Time (sec)	Sample Area (cm^2)	Surface	Row	Location	Beta Efficiency	Beta Background (cpm)	Activity ($dpm/100cm^2$)	Natural Background ($dpm/100cm^2$)	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)
	4	90	100	01W01	B	00056	0.343	1.50	3	0	3	16
	2	90	100	01W01	B	00057	0.343	1.50	0	0	0	16
	19	90	100	01W01	B	00058	0.343	1.50	33	0	33	16
	1	90	100	01W01	B	00059	0.343	1.50	-2	0	-2	16
	5	90	100	01W01	B	00060	0.343	1.50	5	0	5	16
	2	90	100	01W01	B	00061	0.343	1.50	0	0	0	16
	0	90	100	01W01	B	00062	0.343	1.50	-4	0	-4	16
	1	90	100	01W01	B	00063	0.343	1.50	-2	0	-2	16
	1	90	100	01W01	B	00064	0.343	1.50	-2	0	-2	16
	1	90	100	01W01	B	00065	0.343	1.50	-2	0	-2	16
	0	90	100	01W01	B	00066	0.343	1.50	-4	0	-4	16
	2	90	100	01W01	B	00067	0.343	1.50	0	0	0	16
	1	90	100	01W01	B	00068	0.343	1.50	-2	0	-2	16
	1	90	100	01W01	B	00069	0.343	1.50	-2	0	-2	16
	3	90	100	01W01	B	00070	0.343	1.50	1	0	1	16
	0	90	100	01W01	B	00071	0.343	1.50	-4	0	-4	16
	2	90	100	01W01	B	00072	0.343	1.50	0	0	0	16
	1	90	100	01W01	B	00073	0.343	1.50	-2	0	-2	16
	2	90	100	01W01	B	00074	0.343	1.50	0	0	0	16
	2	90	100	01W01	B	00075	0.343	1.50	0	0	0	16
	5	90	100	01W01	B	00076	0.343	1.50	5	0	5	16
	0	90	100	01W01	B	00077	0.343	1.50	-4	0	-4	16
	0	90	100	01W01	B	00078	0.343	1.50	-4	0	-4	16
	0	90	100	01W01	B	00079	0.343	1.50	-4	0	-4	16
	4	90	100	01W01	B	00080	0.343	1.50	3	0	3	16
	4	90	100	01W01	B	00081	0.343	1.50	3	0	3	16
	0	90	100	01W01	B	00082	0.343	1.50	-4	0	-4	16
	2	90	100	01W01	B	00083	0.343	1.50	0	0	0	16
	5	90	100	01W01	B	00084	0.343	1.50	5	0	5	16
	3	90	100	01W01	B	00085	0.343	1.50	1	0	1	16
	0	90	100	01W01	B	00086	0.343	1.50	-4	0	-4	16
	3	90	100	01W01	B	00087	0.343	1.50	1	0	1	16
	12	90	100	01W01	B	00088	0.343	1.50	19	0	19	16
	7	90	100	01W01	B	00089	0.343	1.50	9	0	9	16
	12	90	100	01W01	B	00090	0.343	1.50	19	0	19	16
	17	90	100	01W01	B	00091	0.343	1.50	29	0	29	16
	7	90	100	01W01	C	00019	0.343	1.60	9	0	9	16
	2	90	100	01W01	C	00020	0.343	1.60	-1	0	-1	16
	1	90	100	01W01	C	00021	0.343	1.60	-3	0	-3	16
										# Measurements	185	
										Average	1	
										Maximum	33	
										STD DEV	6	
										95% CL on Mean	2	

Removable Beta Contamination Summary Data Table for 2nd Floor Below 2 Meters

Desc.	Gross Counts	Count Time (sec)	Sample Area (cm^2)	Surface	Row	Location	Beta Efficiency	Beta Background (cpm)	Activity ($dpm/100cm^2$)	Natural Background ($dpm/100cm^2$)	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)
Handrail	4	90	100	01S02	ZZZZZ	00001	0.225	0.80	8	0	8	19
	6	90	100	01S02	ZZZZZ	00002	0.225	0.80	14	0	14	19
	4	90	100	01S02	ZZZZZ	00003	0.225	0.80	8	0	8	19
	2	90	100	01S02	ZZZZZ	00004	0.225	0.80	2	0	2	19
	0	90	100	01S02	ZZZZZ	00005	0.225	0.80	-4	0	-4	19
	3	90	100	01S02	ZZZZZ	00006	0.225	0.80	5	0	5	19
	1	90	100	01S02	ZZZZZ	00007	0.225	0.80	-1	0	-1	19
	2	90	100	01S02	ZZZZZ	00008	0.225	0.80	2	0	2	19
	2	90	100	01S02	ZZZZZ	00009	0.225	0.80	2	0	2	19
	2	90	100	01S02	ZZZZZ	00010	0.225	0.80	2	0	2	19
										# Measurements	10	
										Average	4	
										Maximum	14	
										STD DEV	5	
										95% CL on Mean	8	

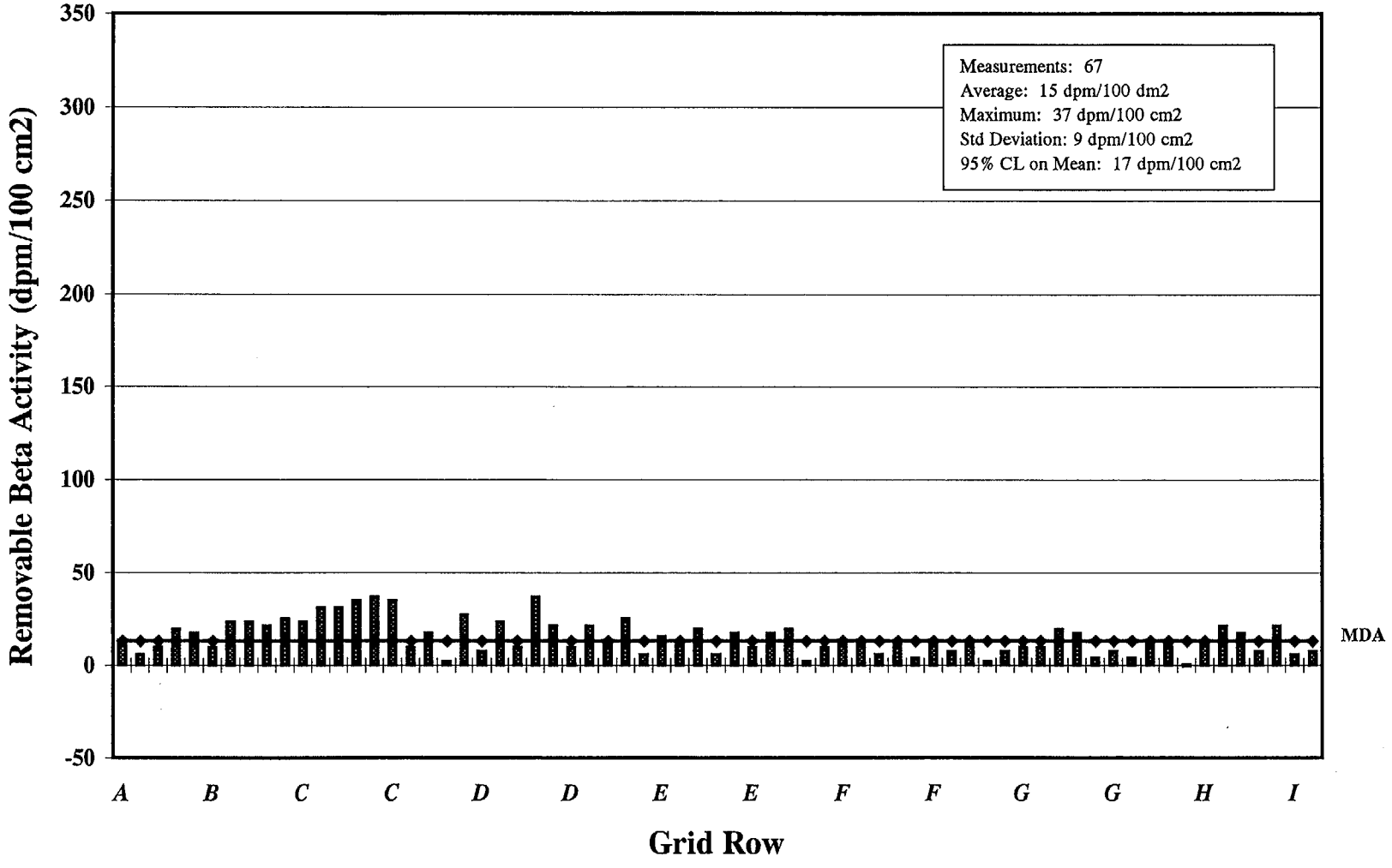
087

Catwalk Floor



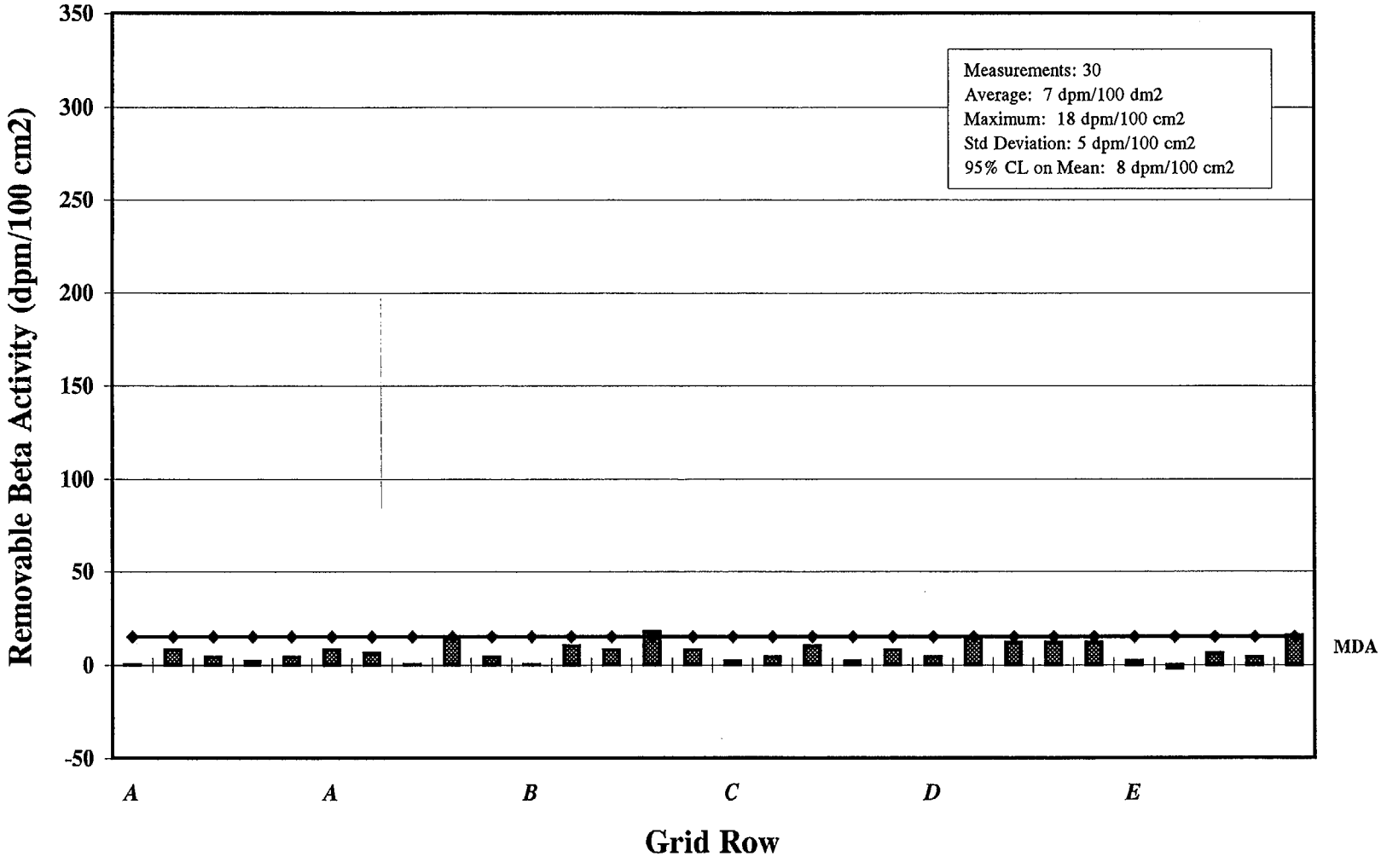
088

Floor Outside Control Room



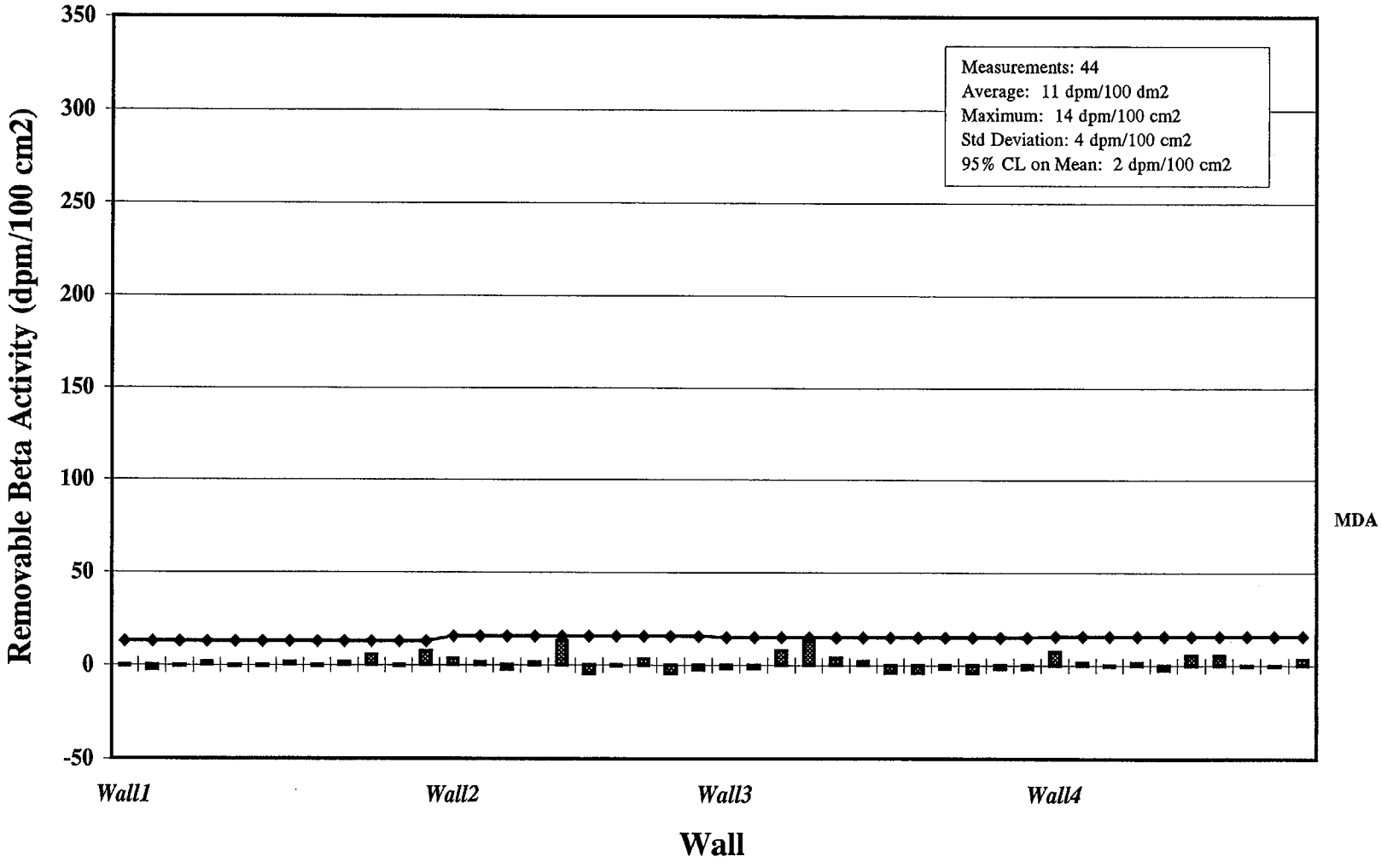
680

Control Room Floor



060

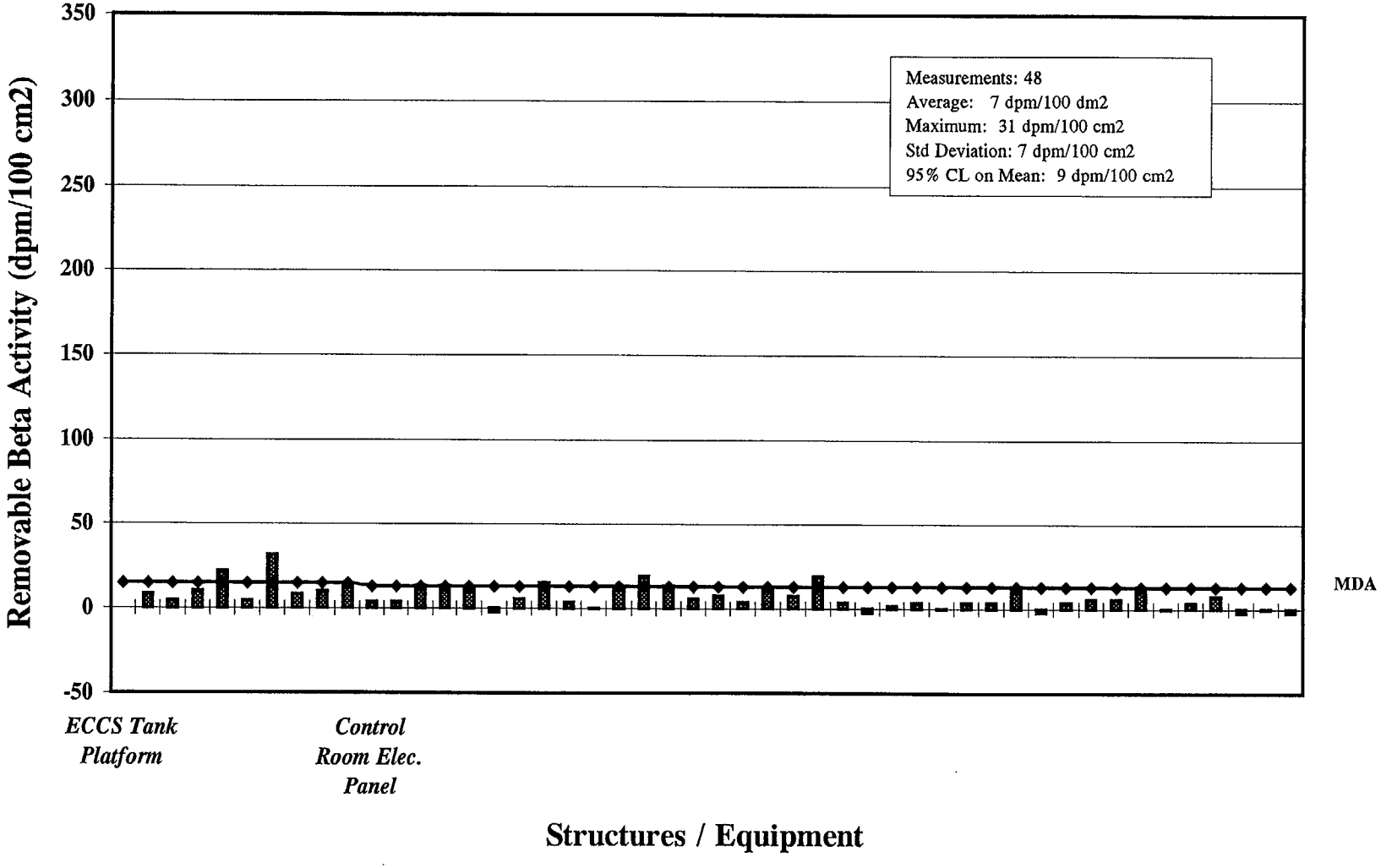
Control Room Walls



091

Structures and Equipment

(Tank Platform and Electrical Panel)



092

FINAL SURVEY 01W01 B PIN 02

PIC IPC9025 216712

SN	RPT	ID	ALPHA COUNTS	ALPHA NET CPM	ALPHA DPM	ALPHA LIMITS	BETA COUNTS	BETA NET CPM	BETA DPM	BETA LIMITS	DATE	TIME
			Eff: 34.97% Bkg: 0.10 cpm MDA: 8.60 dpm				Eff: 34.25% Bkg: 1.40 cpm MDA: 18.39 dpm					
001	00	1	0	-0.10	-0.29		0	-1.40	-4.09		06-08-2001	11:15:05
002	00	2	0	-0.10	-0.29		2	-0.07	-0.19		06-08-2001	11:17:04
003	00	3	0	-0.10	-0.29		7	3.27	9.54		06-08-2001	11:19:03
004	00	4	0	-0.10	-0.29		2	-0.07	-0.19		06-08-2001	11:21:02
005	00	5	0	-0.10	-0.29		4	1.27	3.70		06-08-2001	11:23:01
006	00	6	0	-0.10	-0.29		4	1.27	3.70		06-08-2001	11:25:00
007	00	7	0	-0.10	-0.29		3	0.60	1.75		06-08-2001	11:26:59
008	00	8	0	-0.10	-0.29		1	-0.73	-2.14		06-08-2001	11:28:58
009	00	9	0	-0.10	-0.29		0	-1.40	-4.09		06-08-2001	11:30:57
010	00	10	0	-0.10	-0.29		1	-0.73	-2.14		06-08-2001	11:32:56
011	00	11	1	0.57	1.62		1	-0.90	-2.63		06-08-2001	11:34:55
012	00	12	0	-0.10	-0.29		0	-1.40	-4.09		06-08-2001	11:36:54
013	00	13	0	-0.10	-0.29		3	0.60	1.75		06-08-2001	11:38:53
014	00	14	0	-0.10	-0.29		4	1.27	3.70		06-08-2001	11:40:52
015	00	15	0	-0.10	-0.29		2	-0.07	-0.19		06-08-2001	11:42:51
016	00	16	0	-0.10	-0.29		2	-0.07	-0.19		06-08-2001	11:44:50
017	00	17	0	-0.10	-0.29		1	-0.73	-2.14		06-08-2001	11:46:49
018	00	18	0	-0.10	-0.29		1	-0.73	-2.14		06-08-2001	11:48:48
019	00	19	0	-0.10	-0.29		7	3.27	9.54		06-08-2001	11:50:47
* ~~020~~	~~00~~	~~20~~	~~0~~	~~-0.10~~	~~-0.29~~		~~166~~	~~107.27~~	~~319.03~~		~~06-08-2001~~	~~11:52:46~~
021	00	21	0	-0.10	-0.29		8	3.93	11.48		06-08-2001	11:54:45
022	00	22	0	-0.10	-0.29		8	3.93	11.48		06-08-2001	11:56:44
023	00	23	0	-0.10	-0.29		7	3.27	9.54		06-08-2001	11:58:43
024	00	24	0	-0.10	-0.29		1	-0.73	-2.14		06-08-2001	12:00:42
025	00	25	0	-0.10	-0.29		2	-0.07	-0.19		06-08-2001	12:02:41
026	00	26	0	-0.10	-0.29		0	-1.40	-4.09		06-08-2001	12:04:40
027	00	27	0	-0.10	-0.29		1	-0.73	-2.14		06-08-2001	12:06:39
028	00	28	0	-0.10	-0.29		4	1.27	3.70		06-08-2001	12:08:38
029	00	29	0	-0.10	-0.29		7	3.27	9.54		06-08-2001	12:10:37
030	00	30	0	-0.10	-0.29		2	-0.07	-0.19		06-08-2001	12:12:36
031	00	31	0	-0.10	-0.29		0	-1.40	-4.09		06-08-2001	12:14:35
032	00	32	0	-0.10	-0.29		4	1.27	3.70		06-08-2001	12:16:34
033	00	33	0	-0.10	-0.29		0	-1.40	-4.09		06-08-2001	12:18:33
034	00	34	0	-0.10	-0.29		4	1.27	3.70		06-08-2001	12:20:32
035	00	35	0	-0.10	-0.29		1	-0.73	-2.14		06-08-2001	12:22:31
036	00	36	0	-0.10	-0.29		2	-0.07	-0.19		06-08-2001	12:24:30
037	00	37	0	-0.10	-0.29		1	-0.73	-2.14		06-08-2001	12:26:29
038	00	38	0	-0.10	-0.29		3	0.60	1.75		06-08-2001	12:28:28
039	00	39	0	-0.10	-0.29		5	1.93	5.64		06-08-2001	12:30:27
040	00	40	0	-0.10	-0.29		6	2.60	7.59		06-08-2001	12:32:26
041	00	41	0	-0.10	-0.29		1	-0.73	-2.14		06-08-2001	12:34:25
042	00	42	0	-0.10	-0.29		3	0.60	1.75		06-08-2001	12:36:24
043	00	43	0	-0.10	-0.29		7	3.27	9.54		06-08-2001	12:38:23
044	00	44	1	0.57	1.62		1	-0.90	-2.63		06-08-2001	12:40:22
045	00	45	0	-0.10	-0.29		1	-0.73	-2.14		06-08-2001	12:42:21
046	00	46	0	-0.10	-0.29		6	2.60	7.59		06-08-2001	12:44:20
047	00	47	0	-0.10	-0.29		2	-0.07	-0.19		06-08-2001	12:46:19
048	00	48	0	-0.10	-0.29		2	-0.07	-0.19		06-08-2001	12:48:18
049	00	49	0	-0.10	-0.29		4	1.27	3.70		06-08-2001	12:50:17
050	00	50	0	-0.10	-0.29		2	-0.07	-0.19		06-08-2001	12:52:16
051	00	51	0	-0.10	-0.29		3	0.60	1.75		06-08-2001	12:54:15

* Grid recharacterized, decontaminated, & resmeared. See attached

Performed By: [signature] Date: 6-8-01

Reviewed By: [signature] Date: 6-11-01

FINAL SURVEY 01W01 B PIN 02

PIC IPC9025 216712

SN	RPT	ID	ALPHA COUNTS	ALPHA NET CPM	ALPHA DPM	ALPHA LIMITS	BETA COUNTS	BETA NET CPM	BETA DPM	BETA LIMITS	DATE	TIME
			Eff: 34.97% Bkg: 0.10 cpm MDA: 8.60 dpm				Eff: 34.25% Bkg: 1.40 cpm MDA: 18.39 dpm					
052	00	52	0	-0.10	-0.29		3	0.60	1.75		06-08-2001	12:56:14
053	00	53	0	-0.10	-0.29		2	-0.07	-0.19		06-08-2001	12:58:13
054	00	54	0	-0.10	-0.29		1	-0.73	-2.14		06-08-2001	13:00:12
055	00	55	0	-0.10	-0.29		1	-0.73	-2.14		06-08-2001	13:02:11
056	00	56	0	-0.10	-0.29		4	1.27	3.70		06-08-2001	13:04:10
057	00	57	0	-0.10	-0.29		2	-0.07	-0.19		06-08-2001	13:06:09
058	00	58	0	-0.10	-0.29		19	11.27	32.90		06-08-2001	13:08:08
059	00	59	0	-0.10	-0.29		1	-0.73	-2.14		06-08-2001	13:10:07
060	00	60	0	-0.10	-0.29		5	1.93	5.64		06-08-2001	13:12:06
061	00	61	0	-0.10	-0.29		2	-0.07	-0.19		06-08-2001	13:14:05
062	00	62	0	-0.10	-0.29		0	-1.40	-4.09		06-08-2001	13:16:04
063	00	63	0	-0.10	-0.29		1	-0.73	-2.14		06-08-2001	13:18:03
064	00	64	0	-0.10	-0.29		1	-0.73	-2.14		06-08-2001	13:20:02
065	00	65	0	-0.10	-0.29		1	-0.73	-2.14		06-08-2001	13:22:01
066	00	66	0	-0.10	-0.29		0	-1.40	-4.09		06-08-2001	13:24:00
067	00	67	0	-0.10	-0.29		2	-0.07	-0.19		06-08-2001	13:25:59
068	00	68	0	-0.10	-0.29		1	-0.73	-2.14		06-08-2001	13:27:58
069	00	69	0	-0.10	-0.29		1	-0.73	-2.14		06-08-2001	13:29:57
070	00	70	0	-0.10	-0.29		3	0.60	1.75		06-08-2001	13:31:56
071	00	71	0	-0.10	-0.29		0	-1.40	-4.09		06-08-2001	13:33:55
072	00	72	0	-0.10	-0.29		2	-0.07	-0.19		06-08-2001	13:35:54
073	00	73	0	-0.10	-0.29		1	-0.73	-2.14		06-08-2001	13:37:53
074	00	74	0	-0.10	-0.29		2	-0.07	-0.19		06-08-2001	13:39:52
075	00	75	0	-0.10	-0.29		2	-0.07	-0.19		06-08-2001	13:41:51
076	00	76	0	-0.10	-0.29		5	1.93	5.64		06-08-2001	13:43:50
077	00	77	0	-0.10	-0.29		0	-1.40	-4.09		06-08-2001	13:45:49
078	00	78	0	-0.10	-0.29		0	-1.40	-4.09		06-08-2001	13:47:48
079	00	79	0	-0.10	-0.29		0	-1.40	-4.09		06-08-2001	13:49:47
080	00	80	0	-0.10	-0.29		4	1.27	3.70		06-08-2001	13:51:46
081	00	81	0	-0.10	-0.29		4	1.27	3.70		06-08-2001	13:53:45
082	00	82	0	-0.10	-0.29		0	-1.40	-4.09		06-08-2001	13:55:44
083	00	83	0	-0.10	-0.29		2	-0.07	-0.19		06-08-2001	13:57:43
084	00	84	0	-0.10	-0.29		5	1.93	5.64		06-08-2001	13:59:42
085	00	85	0	-0.10	-0.29		3	0.60	1.75		06-08-2001	14:01:41
086	00	86	0	-0.10	-0.29		0	-1.40	-4.09		06-08-2001	14:03:40
087	00	87	0	-0.10	-0.29		3	0.60	1.75		06-08-2001	14:05:39
088	00	88	0	-0.10	-0.29		12	6.60	19.27		06-08-2001	14:07:38
089	00	89	0	-0.10	-0.29		7	3.27	9.54		06-08-2001	14:09:37
090	00	90	0	-0.10	-0.29		12	6.60	19.27		06-08-2001	14:11:36
091	00	91	0	-0.10	-0.29		17	9.93	29.00		06-08-2001	14:13:35

Performed By: [signature] Date: 6-8-01

Reviewed By: [signature] Date: 6-11-01

FINAL SURVEY 01N01 C&B PIN 02

PIC EPC9025 216712

095

			ALPHA				BETA					
			Eff: 34.97%	Bkg: 0.10 cpm	MDA: 8.60 dpm		Eff: 34.25%	Bkg: 1.60 cpm	MDA: 19.30 dpm			
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	C-19	0	-0.10	-0.29		7	3.07	8.95		06-11-2001	07:31:17
002	00	C-20	0	-0.10	-0.29		2	-0.27	-0.78		06-11-2001	07:33:16
003	00	C-21	2	1.23	3.53		1	-1.30	-3.80		06-11-2001	07:35:15
* 004	00	B-20	0	-0.10	-0.29		0	-1.60	-4.67		06-11-2001	07:37:14

* Grid resurvey - post remediation.

Performed By: [signature] Date: 6/11/01

Reviewed By: [signature] Date: 6/11/01

FINAL SURVEY: 01W01 A PIN 02

PIC-IPC9025 216712

			ALPHA				BETA			
			Eff: 34.97% Bkg: 0.10 cpm MDA: 8.60 dpm				Eff: 34.25% Bkg: 1.50 cpm MDA: 18.85 dpm			
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	12:34:48
002	00	2	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	12:36:47
003	00	3	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	12:38:46
004	00	4	1	0.57	1.62		10	5.00	14.59		06-07-2001	12:40:45
005	00	5	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	12:42:44
006	00	6	0	-0.10	-0.29		0	-1.50	-4.38		06-07-2001	12:44:43
007	00	7	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	12:46:42
008	00	8	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	12:48:41
009	00	9	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	12:50:40
010	00	10	1	0.57	1.62		3	0.33	0.97		06-07-2001	12:52:39
011	00	11	2	1.23	3.53		2	-0.53	-1.56		06-07-2001	12:54:38
012	00	12	0	-0.10	-0.29		0	-1.50	-4.38		06-07-2001	12:56:37
013	00	13	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	12:58:36
014	00	14	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	13:00:35
015	00	15	0	-0.10	-0.29		4	1.17	3.41		06-07-2001	13:02:34
016	00	16	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	13:04:33
017	00	17	0	-0.10	-0.29		6	2.50	7.30		06-07-2001	13:06:32
018	00	18	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	13:08:31
019	00	19	0	-0.10	-0.29		4	1.17	3.41		06-07-2001	13:10:30
020	00	20	0	-0.10	-0.29		14	7.83	22.87		06-07-2001	13:12:29
021	00	21	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	13:14:28
022	00	22	0	-0.10	-0.29		5	1.83	5.35		06-07-2001	13:16:27
023	00	23	1	0.57	1.62		2	-0.34	-0.98		06-07-2001	13:18:26
024	00	24	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	13:20:25
[illegible]	00	25	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	13:22:24
[illegible]	00	26	0	-0.10	-0.29		4	1.17	3.41		06-07-2001	13:24:23
027	00	27	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	13:26:22
028	00	28	0	-0.10	-0.29		6	2.50	7.30		06-07-2001	13:28:21
029	00	29	0	-0.10	-0.29		4	1.17	3.41		06-07-2001	13:30:20
030	00	30	0	-0.10	-0.29		10	5.17	15.09		06-07-2001	13:32:19
031	00	31	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	13:34:18
032	00	32	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	13:36:17
033	00	33	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	13:38:16
034	00	34	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	13:40:15
035	00	35	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	13:42:14
036	00	36	0	-0.10	-0.29		5	1.83	5.35		06-07-2001	13:44:13
037	00	37	1	0.57	1.62		5	1.66	4.86		06-07-2001	13:46:12
038	00	38	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	13:48:11
039	00	39	0	-0.10	-0.29		5	1.83	5.35		06-07-2001	13:50:10
040	00	40	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	13:52:09
041	00	41	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	13:54:08
042	00	42	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	13:56:07
043	00	43	0	-0.10	-0.29		0	-1.50	-4.38		06-07-2001	13:58:06
044	00	44	1	0.57	1.62		1	-1.00	-2.93		06-07-2001	14:00:05
045	00	45	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	14:02:04
046	00	46	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	14:04:03
047	00	47	0	-0.10	-0.29		0	-1.50	-4.38		06-07-2001	14:06:02
048	00	48	0	-0.10	-0.29		7	3.17	9.25		06-07-2001	14:08:01
049	00	49	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	14:10:00
050	00	50	0	-0.10	-0.29		0	-1.50	-4.38		06-07-2001	14:11:59
051	00	51	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	14:13:58

Performed By: [illegible] Date: 6-7-01

Reviewed By: [illegible] Date: 6-8-01

FINAL SURVEY -- 01W01 A PIN 02
PIC IPC9025 216712

SN	RPT	ID	ALPHA COUNTS	ALPHA NET CPM	ALPHA DPM	ALPHA LIMITS	BETA COUNTS	BETA NET CPM	BETA DPM	BETA LIMITS	DATE	TIME
			Eff: 34.97% Bkg: 0.10 cpm MDA: 8.60 dpm				Eff: 34.25% Bkg: 1.50 cpm MDA: 18.85 dpm					
052	00	52	0	-0.10	-0.29		4	1.17	3.41		06-07-2001	14:15:57
053	00	53	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	14:17:56
054	00	54	0	-0.10	-0.29		5	1.83	5.35		06-07-2001	14:19:55
055	00	55	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	14:21:54
056	00	56	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	14:23:53
057	00	57	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	14:25:52
058	00	58	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	14:27:51
059	00	59	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	14:29:50
060	00	60	0	-0.10	-0.29		0	-1.50	-4.38		06-07-2001	14:31:49
061	00	61	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	14:33:48
062	00	62	0	-0.10	-0.29		5	1.83	5.35		06-07-2001	14:35:47
063	00	63	1	0.57	1.62		4	1.00	2.91		06-07-2001	14:37:46
064	00	64	0	-0.10	-0.29		6	2.50	7.30		06-07-2001	14:39:45
065	00	65	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	14:41:44
066	00	66	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	14:43:43
067	00	67	1	0.57	1.62		3	0.33	0.97		06-07-2001	14:45:42
068	00	68	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	14:47:41
069	00	69	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	14:49:40
070	00	70	0	-0.10	-0.29		0	-1.50	-4.38		06-07-2001	14:51:39
	00	71	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	14:53:38
072	00	72	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	14:55:37

FINAL SURVEY 01W01 A PIN 02
PIC IPC9025 216712

SN	RPT	ID	ALPHA COUNTS	ALPHA NET CPM	ALPHA DPM	ALPHA LIMITS	BETA COUNTS	BETA NET CPM	BETA DPM	BETA LIMITS	DATE	TIME
			Eff: 34.97% Bkg: 0.10 cpm MDA: 8.60 dpm				Eff: 34.25% Bkg: 1.50 cpm MDA: 18.85 dpm					
073	00	73	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	14:58:39
074	00	74	0	-0.10	-0.29		0	-1.50	-4.38		06-07-2001	15:00:39
075	00	75	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	15:02:38
076	00	76	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	15:04:37
077	00	77	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	15:06:36
078	00	78	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	15:08:35
079	00	79	0	-0.10	-0.29		4	1.17	3.41		06-07-2001	15:10:34
080	00	80	0	-0.10	-0.29		0	-1.50	-4.38		06-07-2001	15:12:33
081	00	81	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	15:14:32
082	00	82	0	-0.10	-0.29		4	1.17	3.41		06-07-2001	15:16:31
083	00	83	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	15:18:30
084	00	84	0	-0.10	-0.29		0	-1.50	-4.38		06-07-2001	15:20:29
085	00	85	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	15:22:28
086	00	86	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	15:24:27
087	00	87	0	-0.10	-0.29		0	-1.50	-4.38		06-07-2001	15:26:26
088	00	88	0	-0.10	-0.29		4	1.17	3.41		06-07-2001	15:28:25
089	00	89	0	-0.10	-0.29		4	1.17	3.41		06-07-2001	15:30:24
090	00	90	0	-0.10	-0.29		6	2.50	7.30		06-07-2001	15:32:23
091	00	91	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	15:34:22

Performed By: [signature] Date: 6-7-01

Reviewed By: [signature] Date: 6-8-01

FINAL SURVEY 01F02 A PIN 02
PIC IPC9025 216712

SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
			ALPHA Eff: 34.97% Bkg: 0.40 cpm MDA: 12.03 dpm				BETA Eff: 34.25% Bkg: 0.80 cpm MDA: 15.19 dpm					
001	00	1	0	-0.40	-1.14		8	4.53	13.24		06-01-2001	12:40:01
002	00	2	0	-0.40	-1.14		4	1.87	5.45		06-01-2001	12:42:00
003	00	3	1	0.27	0.76		6	3.12	9.11		06-01-2001	12:43:59

Performed By: [signature] Date: 6-11-01

Reviewed By: [signature] Date: 6-11-01

FINAL SURVEY 01F02 B PIN 02
PIC IPC9025 216712

			ALPHA				BETA					
			Eff: 34.97% Bkg: 0.40 cpm MDA: 12.03 dpm				Eff: 34.25% Bkg: 0.80 cpm MDA: 15.19 dpm					
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	0	-0.40	-1.14		11	6.53	19.08		06-01-2001	12:48:13
002	00	2	0	-0.40	-1.14		10	5.87	17.13		06-01-2001	12:50:12
003	00	3	0	-0.40	-1.14		6	3.20	9.34		06-01-2001	12:52:11
004	00	4	0	-0.40	-1.14		13	7.87	22.97		06-01-2001	12:54:10
005	00	5	1	0.27	0.76		13	7.79	22.74		06-01-2001	12:56:09

Performed By: [signature] Date: 6-1-01

Reviewed By: [signature] Date: 6-1-01

FINAL SURVEY 01F02 C PIN 02

PIC IPC9025 216712

			ALPHA				BETA					
			Eff: 34.97% Bkg: 0.40 cpm MDA: 12.03 dpm				Eff: 34.25% Bkg: 0.80 cpm MDA: 15.19 dpm					
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	0	-0.40	-1.14		12	7.20	21.02		06-01-2001	13:00:47
002	00	2	0	-0.40	-1.14		14	8.53	24.91		06-01-2001	13:02:46
003	00	3	0	-0.40	-1.14		13	7.87	22.97		06-01-2001	13:04:45
004	00	4	0	-0.40	-1.14		17	10.53	30.75		06-01-2001	13:06:44
005	00	5	0	-0.40	-1.14		17	10.53	30.75		06-01-2001	13:08:43
006	00	6	0	-0.40	-1.14		19	11.87	34.65		06-01-2001	13:10:42
007	00	7	0	-0.40	-1.14		20	12.53	36.59		06-01-2001	13:12:41
008	00	8	1	0.27	0.76		19	11.79	34.41		06-01-2001	13:14:40

Performed By: [illegible] Date: 6-11-01

Reviewed By: [illegible] Date: 6-11-01

FINAL SURVEY 01F02 D PIN 02
PIC IPD9025 216712

SN	RPT	ID	ALPHA COUNTS	ALPHA NET CPM	ALPHA DPM	ALPHA LIMITS	BETA COUNTS	BETA NET CPM	BETA DPM	BETA LIMITS	DATE	TIME
			Eff: 34.97% Bkg: 0.40 cpm MDA: 12.03 dpm				Eff: 34.25% Bkg: 0.80 cpm MDA: 15.19 dpm					
001	00	1	0	-0.40	-1.14		6	3.20	9.34		06-01-2001	13:22:29
002	00	2	0	-0.40	-1.14		10	5.87	17.13		06-01-2001	13:24:28
003	00	3	0	-0.40	-1.14		2	0.53	1.56		06-01-2001	13:26:27
004	00	4	0	-0.40	-1.14		15	9.20	26.86		06-01-2001	13:28:26
005	00	5	0	-0.40	-1.14		5	2.53	7.40		06-01-2001	13:30:25
006	00	6	0	-0.40	-1.14		13	7.87	22.97		06-01-2001	13:32:24
007	00	7	0	-0.40	-1.14		6	3.20	9.34		06-01-2001	13:34:22
008	00	8	0	-0.40	-1.14		20	12.53	36.59		06-01-2001	13:36:21
009	00	9	0	-0.40	-1.14		12	7.20	21.02		06-01-2001	13:38:20
010	00	10	0	-0.40	-1.14		6	3.20	9.34		06-01-2001	13:40:19
011	00	11	0	-0.40	-1.14		12	7.20	21.02		06-01-2001	13:42:18
012	00	12	0	-0.40	-1.14		7	3.87	11.29		06-01-2001	13:44:17

Performed By: [signature] Date: 6-11-01

Reviewed By: [signature] Date: 6-11-01

FINAL SURVEY 01F02 E PIN 02

PIC IPC9025 216712

			ALPHA				BETA					
			Eff: 34.97% Bkg: 0.40 cpm MDA: 12.03 dpm				Eff: 34.25% Bkg: 0.80 cpm MDA: 15.19 dpm					
SW	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	1	0.27	0.76		14	8.45	24.68		06-01-2001	13:49:49
002	00	2	0	-0.40	-1.14		4	1.87	5.45		06-01-2001	13:51:48
003	00	3	1	0.27	0.76		9	5.12	14.95		06-01-2001	13:53:47
004	00	4	0	-0.40	-1.14		7	3.87	11.29		06-01-2001	13:55:46
005	00	5	1	0.27	0.76		11	6.45	18.84		06-01-2001	13:57:45
006	00	6	0	-0.40	-1.14		4	1.87	5.45		06-01-2001	13:59:44
007	00	7	1	0.27	0.76		10	5.79	16.90		06-01-2001	14:01:42
008	00	8	0	-0.40	-1.14		6	3.20	9.34		06-01-2001	14:03:41
009	00	9	1	0.27	0.76		10	5.79	16.90		06-01-2001	14:05:40

Performed By: [signature] Date: 6-11-01

Reviewed By: [signature] Date: 6-11-01

FINAL SURVEY 01F02 F PIN 02

PIC IPC9025 216712

			ALPHA				BETA			
			Eff: 34.97% Bkg: 0.40 cpm MDA: 12.03 dpm				Eff: 34.25% Bkg: 0.80 cpm MDA: 15.19 dpm			
SR	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	0	-0.40	-1.14		11	6.53	19.08		06-01-2001	14:20:56
002	00	2	0	-0.40	-1.14		2	0.53	1.56		06-01-2001	14:22:55
003	00	3	0	-0.40	-1.14		6	3.20	9.34		06-01-2001	14:24:54
004	00	4	0	-0.40	-1.14		8	4.53	13.24		06-01-2001	14:26:53
005	00	5	0	-0.40	-1.14		8	4.53	13.24		06-01-2001	14:28:52
006	00	6	0	-0.40	-1.14		4	1.87	5.45		06-01-2001	14:30:51
007	00	7	0	-0.40	-1.14		7	3.87	11.29		06-01-2001	14:32:49
008	00	8	0	-0.40	-1.14		3	1.20	3.50		06-01-2001	14:34:48
009	00	9	1	0.27	0.76		8	4.45	13.00		06-01-2001	14:36:47
010	00	10	0	-0.40	-1.14		5	2.53	7.40		06-01-2001	14:38:46
011	00	11	1	0.27	0.76		7	3.79	11.06		06-01-2001	14:40:45

Performed By: [signature] Date: 6-11-01

Reviewed By: [signature] Date: 6-11-01

FINAL SURVEY 01F02 G PIN 02

PIC IPC9025 216712

			ALPHA				BETA			
			Eff: 34.97% Bkg: 0.40 cpm MDA: 12.03 dpm				Eff: 34.25% Bkg: 0.80 cpm MDA: 15.19 dpm			
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	0	-0.40	-1.14		2	0.53	1.56		06-01-2001	14:56:50
002	00	2	1	0.27	0.76		5	2.45	7.16		06-01-2001	14:58:49
003	00	3	0	-0.40	-1.14		6	3.20	9.34		06-01-2001	15:00:48
004	00	4	0	-0.40	-1.14		6	3.20	9.34		06-01-2001	15:02:46
005	00	5	2	0.93	2.67		11	6.25	18.26		06-01-2001	15:04:45
006	00	6	1	0.27	0.76		10	5.79	16.90		06-01-2001	15:06:44
007	00	7	0	-0.40	-1.14		3	1.20	3.50		06-01-2001	15:08:43
008	00	8	0	-0.40	-1.14		5	2.53	7.40		06-01-2001	15:10:41
009	00	9	0	-0.40	-1.14		3	1.20	3.50		06-01-2001	15:12:39
010	00	10	0	-0.40	-1.14		8	4.53	13.24		06-01-2001	15:14:38

Performed By: [signature] Date: 6-11-01

Reviewed By: [signature] Date: 6-11-01

FINAL SURVEY 01F02 H PIN 02

PIC IPC9025 216712

			ALPHA				BETA					
			Eff: 34.97% Bkg: 0.40 cpm MDA: 12.03 dpm				Eff: 34.25% Bkg: 0.80 cpm MDA: 15.19 dpm					
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	0	-0.40	-1.14		7	3.87	11.29		06-01-2001	15:28:34
002	00	2	1	0.27	0.76		1	-0.21	-0.62		06-01-2001	15:30:33
003	00	3	0	-0.40	-1.14		7	3.87	11.29		06-01-2001	15:32:32
004	00	4	1	0.27	0.76		12	7.12	20.79		06-01-2001	15:34:31
005	00	5	0	-0.40	-1.14		10	5.87	17.13		06-01-2001	15:36:30
006	00	6	0	-0.40	-1.14		5	2.53	7.40		06-01-2001	15:38:29
007	00	7	0	-0.40	-1.14		12	7.20	21.02		06-01-2001	15:40:27

Performed By: [illegible] Date: 6-11-01

Reviewed By: [illegible] Date: 6-11-01

FINAL SURVEY 01F02 I PIN 02
PIC IPC9025 216712

			ALPHA				BETA			
			Eff: 34.97% Bkg: 0.40 cpm MDA: 12.03 dpm				Eff: 34.25% Bkg: 0.80 cpm MDA: 15.19 dpm			
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	0	-0.40	-1.14		4	1.87	5.45		06-01-2001	15:52:20
002	00	2	0	-0.40	-1.14		5	2.53	7.40		06-01-2001	15:54:19

Performed By: [signature] Date: 6-11-01

Reviewed By: [signature] Date: 6-11-01

FINAL SURVEY 02EQ1 A PIN 02

PIC IPC9025 216712

			ALPHA				BETA			
			Eff: 34.97% Bkg: 0.40 cpm MDA: 12.03 dpm				Eff: 34.25% Bkg: 0.80 cpm MDA: 15.19 dpm			
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	0	-0.40	-1.14		3	1.20	3.50		06-01-2001	11:11:45
002	00	2	0	-0.40	-1.14		3	1.20	3.50		06-01-2001	11:13:44
003	00	3	1	0.27	0.76		8	4.45	13.00		06-01-2001	11:15:43
004	00	4	0	-0.40	-1.14		8	4.53	13.24		06-01-2001	11:17:42
005	00	5	0	-0.40	-1.14		7	3.87	11.29		06-01-2001	11:19:41
006	00	6	1	0.27	0.76		0	-0.88	-2.57		06-01-2001	11:21:40
007	00	7	0	-0.40	-1.14		4	1.87	5.45		06-01-2001	11:23:38
008	00	8	0	-0.40	-1.14		9	5.20	15.18		06-01-2001	11:25:38
009	00	9	0	-0.40	-1.14		3	1.20	3.50		06-01-2001	11:27:37
010	00	10	0	-0.40	-1.14		1	-0.13	-0.39		06-01-2001	11:29:36
011	00	11	0	-0.40	-1.14		7	3.87	11.29		06-01-2001	11:31:34
012	00	12	2	0.93	2.67		11	6.25	18.26		06-01-2001	11:33:33
013	00	13	0	-0.40	-1.14		8	4.53	13.24		06-01-2001	11:35:32
014	00	14	0	-0.40	-1.14		4	1.87	5.45		06-01-2001	11:37:31
015	00	15	0	-0.40	-1.14		5	2.53	7.40		06-01-2001	11:39:30
016	00	16	0	-0.40	-1.14		3	1.20	3.50		06-01-2001	11:41:29
017	00	17	0	-0.40	-1.14		7	3.87	11.29		06-01-2001	11:43:28
018	00	18	0	-0.40	-1.14		5	2.53	7.40		06-01-2001	11:45:27
019	00	19	0	-0.40	-1.14		11	6.53	19.08		06-01-2001	11:47:26

Performed By: [signature] Date: 6-11-01

Reviewed By: [signature] Date: 6-11-01

FINAL SURVEY 02E01 B PIN 02

PIC IPC9025 216712

			ALPHA				BETA			
			Eff: 34.97% Bkg: 0.40 cpm MDA: 12.03 dpm				Eff: 34.25% Bkg: 0.80 cpm MDA: 15.19 dpm			
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	0	-0.40	-1.14		3	1.20	3.50		06-01-2001	11:54:12
002	00	2	0	-0.40	-1.14		0	-0.80	-2.34		06-01-2001	11:56:11
003	00	3	0	-0.40	-1.14		2	0.53	1.56		06-01-2001	11:58:10
004	00	4	0	-0.40	-1.14		3	1.20	3.50		06-01-2001	12:00:09
005	00	5	0	-0.40	-1.14		1	-0.13	-0.39		06-01-2001	12:02:08
006	00	6	0	-0.40	-1.14		3	1.20	3.50		06-01-2001	12:04:07
007	00	7	0	-0.40	-1.14		3	1.20	3.50		06-01-2001	12:06:06
008	00	8	0	-0.40	-1.14		7	3.87	11.29		06-01-2001	12:08:05
009	00	9	0	-0.40	-1.14		0	-0.80	-2.34		06-01-2001	12:10:04
010	00	10	0	-0.40	-1.14		3	1.20	3.50		06-01-2001	12:12:02
011	00	11	0	-0.40	-1.14		4	1.87	5.45		06-01-2001	12:14:01
012	00	12	0	-0.40	-1.14		4	1.87	5.45		06-01-2001	12:16:00
013	00	13	0	-0.40	-1.14		7	3.87	11.29		06-01-2001	12:17:59
014	00	14	0	-0.40	-1.14		1	-0.13	-0.39		06-01-2001	12:19:58
015	00	15	0	-0.40	-1.14		3	1.20	3.50		06-01-2001	12:21:57
016	00	16	0	-0.40	-1.14		5	2.53	7.40		06-01-2001	12:23:57
017	00	17	0	-0.40	-1.14		0	-0.80	-2.34		06-01-2001	12:25:56
018	00	18	0	-0.40	-1.14		1	-0.13	-0.39		06-01-2001	12:27:55
019	00	19	0	-0.40	-1.14		0	-0.80	-2.34		06-01-2001	12:29:54

Performed By: [signature] Date: 6-11-01

Reviewed By: [signature] Date: 6-11-01

FINAL SURVEY 02W01 A PIN 02

PIC IPC9025 216712

			ALPHA				BETA			
			Eff: 34.97% Bkg: 0.40 cpm MDA: 12.03 dpm				Eff: 34.25% Bkg: 0.80 cpm MDA: 15.19 dpm			
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	0	-0.40	-1.14		1	-0.13	-0.39		06-01-2001	10:42:32
002	00	2	0	-0.40	-1.14		0	-0.80	-2.34		06-01-2001	10:44:31
003	00	3	0	-0.40	-1.14		1	-0.13	-0.39		06-01-2001	10:46:30
004	00	4	0	-0.40	-1.14		2	0.53	1.56		06-01-2001	10:48:29
005	00	5	0	-0.40	-1.14		1	-0.13	-0.39		06-01-2001	10:50:28
006	00	6	0	-0.40	-1.14		1	-0.13	-0.39		06-01-2001	10:52:27

Performed By: _____ Date: 6-11-01

Reviewed By: _____ Date: 6-11-01

FINAL SURVEY 02W01 B PIN 02

PIC IPC9025 216712

			ALPHA				BETA					
			Eff: 34.97% Bkg: 0.40 cpm MDA: 12.03 dpm				Eff: 34.25% Bkg: 0.80 cpm MDA: 15.19 dpm					
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	0	-0.40	-1.14		2	0.53	1.56		06-01-2001	10:56:48
002	00	2	0	-0.40	-1.14		1	-0.13	-0.39		06-01-2001	10:58:47
003	00	3	0	-0.40	-1.14		2	0.53	1.56		06-01-2001	11:00:46
004	00	4	0	-0.40	-1.14		4	1.87	5.45		06-01-2001	11:02:45
005	00	5	0	-0.40	-1.14		1	-0.13	-0.39		06-01-2001	11:04:44
006	00	6	1	0.27	0.76		5	2.45	7.16		06-01-2001	11:06:43

Performed By: [signature] Date: 6-11-01

Reviewed By: [signature] Date: 6-11-01

FINAL SURVEY 01V01 PIN 02

PIC IPC9025 216712

111

SN	RPT	ID	ALPHA COUNTS	ALPHA NET CPM	ALPHA DPM	ALPHA LIMITS	BETA COUNTS	BETA NET CPM	BETA DPM	BETA LIMITS	DATE	TIME
			Eff: 34.97% Bkg: 0.40 cpm MDA: 12.03 dpm				Eff: 34.25% Bkg: 0.80 cpm MDA: 15.19 dpm					
001	00	1	1	0.27	0.76		6	3.12	9.11		06-01-2001	10:27:09
002	00	2	2	0.93	2.67		12	6.92	20.21		06-01-2001	10:29:08
003	00	3	1	0.27	0.76		5	2.45	7.16		06-01-2001	10:31:07
004	00	4	2	0.93	2.67		12	6.92	20.21		06-01-2001	10:33:06
005	00	5	3	1.60	4.58		10	5.39	15.73		06-01-2001	10:35:05

Performed By: [signature] Date: 6-11-01

Reviewed By: [signature] Date: 6/11-01

FINAL SURVEY 01S02 PIN 02
PIC IPC9025 216712

			ALPHA				BETA			
			Eff: 34.97% Bkg: 0.40 cpm MDA: 12.03 dpm				Eff: 34.25% Bkg: 0.80 cpm MDA: 15.19 dpm			
Sn	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	0	-0.40	-1.14		4	1.87	5.45		06-01-2001	09:33:42
002	00	2	0	-0.40	-1.14		6	3.20	9.34		06-01-2001	09:35:41
003	00	3	0	-0.40	-1.14		4	1.87	5.45		06-01-2001	09:37:40
004	00	4	0	-0.40	-1.14		2	0.53	1.56		06-01-2001	09:39:39
005	00	5	0	-0.40	-1.14		0	-0.80	-2.34		06-01-2001	09:41:38
006	00	6	1	0.27	0.76		3	1.12	3.27		06-01-2001	09:43:37
007	00	7	0	-0.40	-1.14		1	-0.13	-0.39		06-01-2001	09:45:36
008	00	8	0	-0.40	-1.14		2	0.53	1.56		06-01-2001	09:47:35
009	00	9	0	-0.40	-1.14		2	0.53	1.56		06-01-2001	09:49:34
010	00	10	0	-0.40	-1.14		2	0.53	1.56		06-01-2001	09:51:33

Performed By: [signature] Date: 6-11-01

Reviewed By: [signature] Date: 6-11-01

FINAL SURVEY 02F01 A PIN 02

PIC IPC9025 216712

			ALPHA				BETA					
			Eff: 34.97% Bkg: 0.20 cpm MDA: 10.02 dpm				Eff: 34.25% Bkg: 1.30 cpm MDA: 17.91 dpm					
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	0	-0.20	-0.57		2	0.03	0.10		06-05-2001	14:30:50
002	00	2	0	-0.20	-0.57		6	2.70	7.88		06-05-2001	14:32:49
003	00	3	0	-0.20	-0.57		4	1.37	3.99		06-05-2001	14:34:48
004	00	4	0	-0.20	-0.57		3	0.70	2.04		06-05-2001	14:36:47
005	00	5	0	-0.20	-0.57		4	1.37	3.99		06-05-2001	14:38:46
006	00	6	0	-0.20	-0.57		6	2.70	7.88		06-05-2001	14:40:45

Performed By: [signature] Date: 6-11-01

Reviewed By: [signature] Date: 6-11-01

FINAL SURVEY 02F01 B PIN 02

PIC IPC9025 216712

			ALPHA				BETA					
			Eff: 34.97%	Bkg: 0.20 cpm	MDA: 10.02 dpm		Eff: 34.25%	Bkg: 1.30 cpm	MDA: 17.91 dpm			
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	1	0.47	1.33		5	1.89	5.53		06-05-2001	14:47:51
002	00	2	0	-0.20	-0.57		2	0.03	0.10		06-05-2001	14:49:51
003	00	3	0	-0.20	-0.57		9	4.70	13.72		06-05-2001	14:51:50
004	00	4	0	-0.20	-0.57		4	1.37	3.99		06-05-2001	14:53:49
005	00	5	0	-0.20	-0.57		2	0.03	0.10		06-05-2001	14:55:48
006	00	6	0	-0.20	-0.57		7	3.37	9.83		06-05-2001	14:57:47

Performed By: [signature] Date: 6-11-01

Reviewed By: [signature] Date: 6-11-01

FINAL SURVEY 02F01 C PIN 02
PIC IPC9025 216712

			ALPHA				BETA					
			Eff: 34.97% Bkg: 0.20 cpm MDA: 10.02 dpm				Eff: 34.25% Bkg: 1.30 cpm MDA: 17.91 dpm					
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	0	-0.20	-0.57		6	2.70	7.88		06-05-2001	15:01:20
002	00	2	0	-0.20	-0.57		11	6.03	17.62		06-05-2001	15:03:19
003	00	3	0	-0.20	-0.57		6	2.70	7.88		06-05-2001	15:05:18
004	00	4	1	0.47	1.33		3	0.56	1.64		06-05-2001	15:07:17
005	00	5	0	-0.20	-0.57		4	1.37	3.99		06-05-2001	15:09:16
006	00	6	1	0.47	1.33		7	3.23	9.42		06-05-2001	15:11:15

Performed By: [signature] Date: 6-11-01

Reviewed By: [signature] Date: 6-11-01

FINAL SURVEY 02F01 D PIN 02

PIC IPC9025 Z16712

			ALPHA				BETA			
			Eff: 34.97% Bkg: 0.20 cpm MDA: 10.02 dpm				Eff: 34.25% Bkg: 1.30 cpm MDA: 17.91 dpm			
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	0	-0.20	-0.57		3	0.70	2.04		06-05-2001	15:16:26
002	00	2	0	-0.20	-0.57		6	2.70	7.88		06-05-2001	15:18:25
003	00	3	0	-0.20	-0.57		4	1.37	3.99		06-05-2001	15:20:24
004	00	4	0	-0.20	-0.57		9	4.70	13.72		06-05-2001	15:22:23
005	00	5	0	-0.20	-0.57		8	4.03	11.78		06-05-2001	15:24:22
006	00	6	0	-0.20	-0.57		8	4.03	11.78		06-05-2001	15:26:21

Performed By: [signature] Date: 6-11-01

Reviewed By: [signature] Date: 6-11-01

FINAL SURVEY 02F01 E PIN 02
PIC IPC9025 216712

SN	RPT	ID	ALPHA COUNTS	ALPHA NET CPM	ALPHA DPM	ALPHA LIMITS	BETA COUNTS	BETA NET CPM	BETA DPM	BETA LIMITS	DATE	TIME
			Eff: 34.97% Bkg: 0.20 cpm MDA: 10.02 dpm				Eff: 34.25% Bkg: 1.30 cpm MDA: 17.91 dpm					
001	00	1	0	-0.20	-0.57		8	4.03	11.78		06-05-2001	15:35:27
002	00	2	0	-0.20	-0.57		3	0.70	2.04		06-05-2001	15:37:26
003	00	3	2	1.13	3.24		1	-0.97	-2.84		06-05-2001	15:39:25
004	00	4	0	-0.20	-0.57		5	2.03	5.94		06-05-2001	15:41:24
005	00	5	0	-0.20	-0.57		4	1.37	3.99		06-05-2001	15:43:23
006	00	6	0	-0.20	-0.57		10	5.37	15.67		06-05-2001	15:45:22

Performed By: [signature] Date: 6-11-01

Reviewed By: [signature] Date: 6-11-01

FINAL SURVEY 02W03 A PIN 02
PIC IPC9025 216712

			ALPHA					BETA					
			Eff: 34.97%	Bkg: 0.20 cpm	MDA: 10.02 dpm			Eff: 34.25%	Bkg: 1.30 cpm	MDA: 17.91 dpm			
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	0	-0.20	-0.57		1	-0.63	-1.85		06-05-2001	16:30:52
002	00	2	0	-0.20	-0.57		1	-0.63	-1.85		06-05-2001	16:32:51
003	00	3	0	-0.20	-0.57		6	2.70	7.88		06-05-2001	16:34:50
004	00	4	0	-0.20	-0.57		9	4.70	13.72		06-05-2001	16:36:49
005	00	5	0	-0.20	-0.57		4	1.37	3.99		06-05-2001	16:38:48
006	00	6	0	-0.20	-0.57		3	0.70	2.04		06-05-2001	16:40:47

Performed By: [signature] Date: 6-11-01

Reviewed By: [signature] Date: 6-11-01

FINAL SURVEY 02W03 B PIN 02

PIC IPC9025 216712

			ALPHA				BETA					
			Eff: 34.97% Bkg: 0.20 cpm MDA: 10.02 dpm				Eff: 34.25% Bkg: 1.30 cpm MDA: 17.91 dpm					
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	0	-0.20	-0.57		0	-1.30	-3.80		06-05-2001	16:46:29
002	00	2	0	-0.20	-0.57		0	-1.30	-3.80		06-05-2001	16:48:28
003	00	3	0	-0.20	-0.57		1	-0.63	-1.85		06-05-2001	16:50:27
004	00	4	0	-0.20	-0.57		0	-1.30	-3.80		06-05-2001	16:52:26
005	00	5	0	-0.20	-0.57		1	-0.63	-1.85		06-05-2001	16:54:25
006	00	6	0	-0.20	-0.57		1	-0.63	-1.85		06-05-2001	16:56:24

Performed By: [signature] Date: 6-11-01

Reviewed By: [signature] Date: 6-11-01

FINAL SURVEY 01501 [Z] PIN 02
PIC IPC9025 216712

			ALPHA				BETA					
			Eff: 34.97%	Bkg: 0.20 cpm	MDA: 10.02 dpm		Eff: 34.25%	Bkg: 1.30 cpm	MDA: 17.91 dpm			
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	2	1.13	3.24		2	-0.30	-0.89		06-05-2001	17:04:23
002	00	2	0	-0.20	-0.57		6	2.70	7.88		06-05-2001	17:06:22
003	00	3	0	-0.20	-0.57		4	1.37	3.99		06-05-2001	17:08:21
004	00	4	0	-0.20	-0.57		7	3.37	9.83		06-05-2001	17:10:20
005	00	5	1	0.47	1.33		13	7.23	21.10		06-05-2001	17:12:19
006	00	6	0	-0.20	-0.57		4	1.37	3.99		06-05-2001	17:14:18
007	00	7	0	-0.20	-0.57		18	10.70	31.24		06-05-2001	17:16:16
008	00	8	0	-0.20	-0.57		6	2.70	7.88		06-05-2001	17:18:15
009	00	9	1	0.47	1.33		7	3.23	9.42		06-05-2001	17:20:14
010	00	10	0	-0.20	-0.57		9	4.70	13.72		06-05-2001	17:22:13

Performed By: [illegible] Date: 6-11-01

Reviewed By: [illegible] Date: 6-11-01

FINAL SURVEY 02W02 A PIN 02

PIC IPC9025 216712

			ALPHA				BETA					
			Eff: 34.97%	Bkg: 0.10 cpm	MDA: 8.60 dpm		Eff: 34.25%	Bkg: 1.50 cpm	MDA: 18.85 dpm			
BN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	0	-0.10	-0.29		4	1.17	3.41		06-07-2001	12:00:40
002	00	2	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	12:02:39
003	00	3	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	12:04:38
004	00	4	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	12:06:37
005	00	5	0	-0.10	-0.29		9	4.50	13.14		06-07-2001	12:08:36

Performed By: [illegible] Date: 6-7-01

Reviewed By: [illegible] Date: 6-8-01

FINAL SURVEY 02W02 B PIN 02

PIC IPC9025 216712

			ALPHA				BETA			
			Eff: 34.97% Bkg: 0.10 cpm MDA: 8.60 dpm				Eff: 34.25% Bkg: 1.50 cpm MDA: 18.85 dpm			
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	0	-0.10	-0.29		0	-1.50	-4.38		06-07-2001	12:11:43
002	00	2	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	12:13:43
003	00	3	0	-0.10	-0.29		4	1.17	3.41		06-07-2001	12:15:42
004	00	4	0	-0.10	-0.29		0	-1.50	-4.38		06-07-2001	12:17:41
005	00	5	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	12:19:40

Performed By: [signature] Date: 6-7-01

Reviewed By: [signature] Date: 6-8-01

FINAL SURVEY 02W04 A PIN 02

PIC IPC9025 216712

			ALPHA				BETA					
			Eff: 34.97% Bkg: 0.10 cpm MDA: 8.60 dpm				Eff: 34.25% Bkg: 1.50 cpm MDA: 18.85 dpm					
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	0	-0.10	-0.29		6	2.50	7.30		06-07-2001	11:32:14
002	00	2	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	11:34:13
003	00	3	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	11:36:12
004	00	4	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	11:38:11
005	00	5	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	11:40:10

Performed By: [signature] Date: 6-7-01

Reviewed By: [signature] Date: 6-11-01

FINAL SURVEY 02W04 B PIN 02

PIC IPC9025 216712

			ALPHA				BETA			
			Eff: 34.97% Bkg: 0.10 cpm MDA: 8.60 dpm				Eff: 34.25% Bkg: 1.50 cpm MDA: 18.85 dpm			
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
001	00	1	0	-0.10	-0.29		5	1.83	5.35		06-07-2001	11:47:42
002	00	2	0	-0.10	-0.29		5	1.83	5.35		06-07-2001	11:49:41
003	00	3	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	11:51:40
004	00	4	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	11:53:39
005	00	5	0	-0.10	-0.29		4	1.17	3.41		06-07-2001	11:55:38

Performed By: [signature] Date: 6-7-01

Reviewed By: [signature] Date: 6-11-01

FINAL SURVEY 01F01 A PIN 02

PIC IPC9025 216712

SN	RPT	ID	ALPHA COUNTS	ALPHA NET CPM	ALPHA DPM	ALPHA LIMITS	BETA COUNTS	BETA NET CPM	BETA DPM	BETA LIMITS	DATE	TIME
			Eff: 34.97% Bkg: 0.10 cpm MDA: 8.60 dpm				Eff: 34.25% Bkg: 1.50 cpm MDA: 18.85 dpm					
001	00	1	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	15:43:59
002	00	2	0	-0.10	-0.29		9	4.50	13.14		06-07-2001	15:45:58
003	00	3	0	-0.10	-0.29		6	2.50	7.30		06-07-2001	15:47:57
004	00	4	0	-0.10	-0.29		8	3.83	11.19		06-07-2001	15:49:56
005	00	5	1	0.57	1.62		3	0.33	0.97		06-07-2001	15:51:55
006	00	6	1	0.57	1.62		1	-1.00	-2.93		06-07-2001	15:53:54
007	00	7	0	-0.10	-0.29		11	5.83	17.03		06-07-2001	15:55:53
008	00	8	0	-0.10	-0.29		9	4.50	13.14		06-07-2001	15:57:52
009	00	9	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	15:59:51
010	00	10	0	-0.10	-0.29		4	1.17	3.41		06-07-2001	16:01:50
011	00	11	1	0.57	1.62		2	-0.34	-0.98		06-07-2001	16:03:49
012	00	12	0	-0.10	-0.29		9	4.50	13.14		06-07-2001	16:05:48
013	00	13	0	-0.10	-0.29		5	1.83	5.35		06-07-2001	16:07:47
014	00	14	0	-0.10	-0.29		4	1.17	3.41		06-07-2001	16:09:46
015	00	15	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	16:11:45
016	00	16	0	-0.10	-0.29		0	-1.50	-4.38		06-07-2001	16:13:44
017	00	17	0	-0.10	-0.29		8	3.83	11.19		06-07-2001	16:15:43
018	00	18	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	16:17:42
019	00	19	0	-0.10	-0.29		10	5.17	15.09		06-07-2001	16:19:41
020	00	20	0	-0.10	-0.29		7	3.17	9.25		06-07-2001	16:21:40
021	00	21	0	-0.10	-0.29		5	1.83	5.35		06-07-2001	16:23:39
022	00	22	0	-0.10	-0.29		7	3.17	9.25		06-07-2001	16:25:38
023	00	23	0	-0.10	-0.29		10	5.17	15.09		06-07-2001	16:27:37
024	00	24	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	16:29:36
[illegible]	00	25	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	16:31:35
[illegible]	00	26	0	-0.10	-0.29		4	1.17	3.41		06-07-2001	16:33:34
027	00	27	0	-0.10	-0.29		5	1.83	5.35		06-07-2001	16:35:33
028	00	28	0	-0.10	-0.29		12	6.50	18.98		06-07-2001	16:37:32
029	00	29	0	-0.10	-0.29		5	1.83	5.35		06-07-2001	16:39:31
030	00	30	0	-0.10	-0.29		4	1.17	3.41		06-07-2001	16:41:30
031	00	31	2	1.23	3.53		6	2.13	6.22		06-07-2001	16:43:29
032	00	32	0	-0.10	-0.29		4	1.17	3.41		06-07-2001	16:45:28
033	00	33	0	-0.10	-0.29		9	4.50	13.14		06-07-2001	16:47:27
034	00	34	0	-0.10	-0.29		9	4.50	13.14		06-07-2001	16:49:26
035	00	35	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	16:51:25
036	00	36	0	-0.10	-0.29		7	3.17	9.25		06-07-2001	16:53:24
037	00	37	0	-0.10	-0.29		6	2.50	7.30		06-07-2001	16:55:23
038	00	38	0	-0.10	-0.29		5	1.83	5.35		06-07-2001	16:57:22
039	00	39	0	-0.10	-0.29		5	1.83	5.35		06-07-2001	16:59:21
040	00	40	0	-0.10	-0.29		5	1.83	5.35		06-07-2001	17:01:20
041	00	41	0	-0.10	-0.29		7	3.17	9.25		06-07-2001	17:03:19
042	00	42	0	-0.10	-0.29		10	5.17	15.09		06-07-2001	17:05:18
043	00	43	1	0.57	1.62		3	0.33	0.97		06-07-2001	17:07:17
044	00	44	1	0.57	1.62		7	3.00	8.75		06-07-2001	17:09:16
045	00	45	0	-0.10	-0.29		20	11.83	34.55		06-07-2001	17:11:15
046	00	46	0	-0.10	-0.29		7	3.17	9.25		06-07-2001	17:13:14
047	00	47	0	-0.10	-0.29		13	7.17	20.92		06-07-2001	17:15:13
048	00	48	0	-0.10	-0.29		10	5.17	15.09		06-07-2001	17:17:12
049	00	49	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	17:19:11
050	00	50	1	0.57	1.62		12	6.33	18.48		06-07-2001	17:21:10
051	00	51	0	-0.10	-0.29		7	3.17	9.25		06-07-2001	17:23:09

Performed By: [signature] Date: 6-7-01

Reviewed By: [signature] Date: 6/8/01

FINAL SURVEY 01F01 A PIN 02
PIC IPC9025 Z16712

			ALPHA				BETA			
			Eff: 34.97% Bkg: 0.10 cpm MDA: 8.60 dpm				Eff: 34.25% Bkg: 1.50 cpm MDA: 18.85 dpm			
SN	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
052	00	52	0	-0.10	-0.29		0	-1.50	-4.38		06-07-2001	17:25:08
053	00	53	1	0.57	1.62		1	-1.00	-2.93		06-07-2001	17:27:07
054	00	54	0	-0.10	-0.29		4	1.17	3.41		06-07-2001	17:29:06

Performed By: _____ Date: 6-7-01

Reviewed By: _____ Date: 6/8/01

Section 6

Package 2
H-3 Removable Beta Contamination
Summary Data Table for the 2nd Floor Below
2 Meters
(including lab reports)

Package Identification # 02 TRITIUM SMEARS

	L2	L7	L8
1	01F01	A	2
2	01F01	A	13
3	01F01	A	35
4	01F01	A	44
5	01F01	A	50
1	01W01	A	6
2	01W01	A	26
3	01W01	A	44
4	01W01	A	64
5	01W01	A	51
6	01W01	B	27
7	01W01	B	46
8	01W01	B	68
9	01W01	B	76
10	01W01	B	91
1	01S01	ZZZZZ	4
1	01S02	ZZZZZ	7
1	01F02	C	2
2	01F02	F	7
3	01F02	I	2
4	01F02	F	4

Package Identification # 02 TRITIUM Smears

	L2	L7	L8
1	02F01	E	1
2	02F01	B	2
3	02F01	C	4
4	02F01	A	5
1	02W01	A	5
1	02W02	A	3
1	02W03	B	6
1	02W04	A	2
1	02EQ1	B	8
1	01V01	ZZZZZ	4

H-3 Removable Beta Contamination Summary Data Table for 2nd Floor Below 2 Meters

Carrier No.	CPM	Count Time (sec)	Sample Area (cm^2)	Surface	Row	Location	Beta Efficiency	Beta Background (cpm)	Activity ($dpm/100cm^2$)	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)
1	34	60	100	01F01	A	00002	0.241	0.00	141	141	11
2	39	60	100	01F01	A	00013	0.256	0.00	152	152	11
3	38	60	100	01F01	A	00035	0.224	0.00	170	170	12
4	40	60	100	01F01	A	00044	0.251	0.00	159	159	11
5	54	60	100	01F01	A	00050	0.231	0.00	234	234	12
6	27	60	100	01W01	A	00006	0.305	0.00	88	88	9
7	55	60	100	01W01	A	00026	0.341	0.00	162	162	8
8	40	60	100	01W01	A	00044	0.305	0.00	131	131	9
9	34	60	100	01W01	A	00051	0.305	0.00	111	111	9
10	39	60	100	01W01	A	00064	0.323	0.00	121	121	8
11	47	60	100	01W01	B	00027	0.326	0.00	144	144	8
12	49	60	100	01W01	B	00046	0.280	0.00	175	175	10
13	40	60	100	01W01	B	00068	0.320	0.00	125	125	8
14	35	60	100	01W01	B	00076	0.305	0.00	115	115	9
15	40	60	100	01W01	B	00091	0.329	0.00	122	122	8
16	111	60	100	01S01	ZZZZZ	00004	0.132	0.00	839	839	20
17	46	60	100	01S02	ZZZZZ	00007	0.291	0.00	158	158	9
18	38	60	100	01F02	C	00002	0.186	0.00	205	205	15
19	37	60	100	01F02	F	00004	0.231	0.00	160	160	12
20	54	60	100	01F02	F	00007	0.194	0.00	278	278	14
21	33	60	100	01F02	I	00002	0.283	0.00	117	117	10
22	42	60	100	02F01	A	00005	0.203	0.00	207	207	13
23	43	60	100	02F01	B	00002	0.167	0.00	257	257	16
24	37	60	100	02F01	C	00004	0.244	0.00	152	152	11
25	40	60	100	02F01	E	00001	0.173	0.00	231	231	16
26	31	60	100	02W01	A	00005	0.311	0.00	100	100	9
27	45	60	100	02W02	A	00003	0.278	0.00	162	162	10
28	52	60	100	02W03	B	00006	0.338	0.00	154	154	8
29	43	60	100	02W04	A	00002	0.270	0.00	160	160	10
30	42	60	100	02EQ1	B	00008	0.323	0.00	130	130	8
31	32	60	100	01V01	ZZZZZ	00004	0.069	0.00	461	461	39
									# Measurements	31	
									Average	191	
									Maximum	839	
									STD DEV	137	
									95% CL on Mean	247	

```
TR: 6 ID:SMEARS        PRESET TIME:  1.00              MON 25 JUN 2001 14:36
PLE REPEAT: 1 CYCLE REPEAT: 1 SCR:N   RS232:N
H#: 1 AQC:N QCF:N RCM:N 2 PHASE MONITOR:N
CHANNEL 1-LL:  0 UL: 400 2SIGMA: 2.00 BKG SUB:   0.00 BKG 2SIG:  0.00 LSR:   0
CHANNEL 2-LL:  0 UL: 670 2SIGMA: 2.00 BKG SUB:   0.00 BKG 2SIG:  0.00 LSR:   0
CHANNEL 3-LL:  0 UL:1000 2SIGMA: 2.00 BKG SUB:   0.00 BKG 2SIG:  0.00 LSR:   0

SINGLE LABEL DPM, SET UP ON SUN 24 JUN 2001 16:19
UNKNOWN ID:SMEARS                    UNKNOWN REPLICATES: 1
UNKNOWN NORM FACTOR:Q 1.00000        UNKNOWN UNITS:DPM
QUENCH MODE:H  CALCULATE COEFF:N  HALF LIFE(DAYS):N
QUENCH COEFF A:  4.328559  B:-0.0051270  C:-0.0000122  D:-0.0000000212
STANDARD ID:
QUENCH LIMITS LOW:90.00  HIGH:390.0

SAM  POS  CH      CPM    2SIG%  TIME   EL TIME AVG H#                      ERR

 1  2- 1  1      34.00 34.30   1.00      1.30 153.0
          2      65.00 24.81
          3      84.00 21.82
                                  %EFF:24.11 ISO1 DPM  :141.0226
 2  2- 2  1      39.00 32.03   1.00      2.78 147.0
          2      85.00 21.69
          3     120.00 18.26
                                  %EFF:25.63 ISO1 DPM  :152.1427
 3  2- 3  1      38.00 32.44   1.00      4.26 160.0
          2      70.00 23.90
          3      99.00 20.10
                                  %EFF:22.40 ISO1 DPM  :169.6392
 4  2- 4  1      40.00 31.62   1.00      5.74 149.0
          2      75.00 23.09
          3      98.00 20.20
                                  %EFF:25.12 ISO1 DPM  :159.2366
 5  2- 5  1      54.00 27.22   1.00      7.23 157.0
          2      78.00 22.65
          3      96.00 20.41
                                  %EFF:23.12 ISO1 DPM  :233.5250
 6  2- 6  1      27.00 38.49   1.00      8.70 129.0
          2      53.00 27.47
          3      87.00 21.44
                                  %EFF:30.53 ISO1 DPM  :88.44301
 7  2- 7  1      55.00 26.97   1.00     10.18 117.0
          2      89.00 21.20
          3     114.00 18.73
                                  %EFF:34.05 ISO1 DPM  :161.5425
 8  2- 8  1      40.00 31.62   1.00     11.66 129.0
          2      74.00 23.25
          3     101.00 19.90
                                  %EFF:30.53 ISO1 DPM  :131.0267
 9  2- 9  1      34.00 34.30   1.00     13.15 129.0
          2      61.00 25.61
          3      91.00 20.97
                                  %EFF:30.53 ISO1 DPM  :111.3727
```

	POS	CH	CPM	2SIG%	TIME	EL TIME	AVG H#	ERR
10	2-10	1	39.00	32.03	1.00	14.63	123.0	
		2	69.00	24.08				
		3	90.00	21.08				
					%EFF:	32.26	ISO1 DPM	:120.8827
11	2-11	1	47.00	29.17	1.00	16.09	122.0	
		2	80.00	22.36				
		3	108.00	19.25				
					%EFF:	32.56	ISO1 DPM	:144.3631
12	2-12	1	49.00	28.57	1.00	17.58	138.0	
		2	79.00	22.50				
		3	108.00	19.25				
					%EFF:	28.02	ISO1 DPM	:174.8647
13	3- 1	1	40.00	31.62	1.00	19.11	124.0	
		2	70.00	23.90				
		3	107.00	19.33				
					%EFF:	31.97	ISO1 DPM	:125.1164
14	3- 2	1	35.00	33.81	1.00	20.59	129.0	
		2	66.00	24.62				
		3	97.00	20.31				
					%EFF:	30.53	ISO1 DPM	:114.6483
15	3- 3	1	40.00	31.62	1.00	22.07	121.0	
		2	70.00	23.90				
		3	99.00	20.10				
					%EFF:	32.85	ISO1 DPM	:121.7575
16	3- 4	1	111.00	18.98	1.00	23.56	205.0	
		2	170.00	15.34				
		3	191.00	14.47				
					%EFF:	13.23	ISO1 DPM	:839.2618
17	3- 5	1	46.00	29.49	1.00	25.04	134.0	
		2	79.00	22.50				
		3	102.00	19.80				
					%EFF:	29.12	ISO1 DPM	:157.9605
18	3- 6	1	38.00	32.44	1.00	26.52	177.0	
		2	72.00	23.57				
		3	91.00	20.97				
					%EFF:	18.57	ISO1 DPM	:204.6806
19	3- 7	1	37.00	32.88	1.00	27.99	157.0	
		2	74.00	23.25				
		3	96.00	20.41				
					%EFF:	23.12	ISO1 DPM	:160.0079
20	3- 8	1	54.00	27.22	1.00	29.47	173.0	
		2	87.00	21.44				
		3	108.00	19.25				
					%EFF:	19.43	ISO1 DPM	:277.9565
21	3- 9	1	33.00	34.82	1.00	30.96	137.0	
		2	61.00	25.61				
		3	83.00	21.95				
					%EFF:	28.29	ISO1 DPM	:116.6306
22	3-10	1	42.00	30.86	1.00	32.44	169.0	
		2	82.00	22.09				
		3	105.00	19.52				
					%EFF:	20.31	ISO1 DPM	:206.7513

	POS	CH	CPM	2SIG%	TIME	EL TIME	AVG H#	ERR
23	3-11	1	43.00	30.50	1.00	33.92	186.0	
		2	77.00	22.79				
		3	100.00	20.00				
					%EFF:	16.72	ISO1 DPM	:257.2173
24	3-12	1	37.00	32.88	1.00	35.41	152.0	
		2	67.00	24.43				
		3	91.00	20.97				
					%EFF:	24.36	ISO1 DPM	:151.8897
25	6- 1	1	40.00	31.62	1.00	36.95	183.0	
		2	78.00	22.65				
		3	104.00	19.61				
					%EFF:	17.32	ISO1 DPM	:230.9547
26	6- 2	1	31.00	35.92	1.00	38.42	127.0	
		2	58.00	26.26				
		3	87.00	21.44				
					%EFF:	31.10	ISO1 DPM	:99.67608
27	6- 3	1	45.00	29.81	1.00	39.91	139.0	
		2	74.00	23.25				
		3	99.00	20.20				
					%EFF:	27.75	ISO1 DPM	:162.1585
28	6- 4	1	52.00	27.74	1.00	41.39	118.0	
		2	77.00	22.79				
		3	107.00	19.33				
					%EFF:	33.75	ISO1 DPM	:154.0907
29	6- 5	1	43.00	30.50	1.00	42.87	142.0	
		2	86.00	21.57				
		3	119.00	18.33				
					%EFF:	26.95	ISO1 DPM	:159.5802
30	6- 6	1	42.00	30.86	1.00	44.35	123.0	
		2	80.00	22.36				
		3	107.00	19.33				
					%EFF:	32.26	ISO1 DPM	:130.1814
31	6- 7	1	32.00	35.36	1.00	45.83	251.0	
		2	68.00	24.25				
		3	85.00	21.69				
					%EFF:	6.944	ISO1 DPM	:460.8516

Performed By: [signature] Date: 6/26/01

Reviewed By: [signature] Date: 6/26/01