Georgia Institute of Technology
Research Reactor

Final Survey Package 3

Reactor Building 2nd Floor Above 2 Meters

TABLE OF CONTENTS

Section 1

Survey Package 3
Worksheet for the 2nd Floor Above 2 Meters

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

Package Identification No.: **03**	Prepared by: Paul Jones
Location: 2nd Floor Above 2 Meters	Date prepared: 05/21/2001
Area Classification: Non-Suspect Affected	

Area Description

The survey area consists of ceiling and wall areas 2 meters above the 2nd floor. This wall proceeds vertically until reaching the crane rail. The roof then projects torispherically and peaks ~15' above the crane rail.

Historical Information

No decontamination was required in these areas.

General Survey Instructions

Overhead (Non-Suspect Affected):

1) Perform a minimum of 10% scan of accessible surfaces. The surface scanned should be biased towards surfaces with a higher potential of being contaminated, (i.e. control room roof, 1st 10' of crane cables, crane track, etc.)
2) Obtain 1 direct beta measurement in the overhead for each 20 square meters of surface (See Special Instructions for the minimum number of readings required). Denote on map location of all readings
3) Obtain 1 smear at each measurement location for gross alpha/beta analysis.
4) Obtain required smears for H-3 analysis(See Special Instructions for the minimum number of smears required). Denote on map location of all smears.

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.

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 measurements and smears should be taken equidistant throughout the survey area.

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~~ Above 2 meters PJ 9/7/01										
	A0403	01OH1	B0001	ZZZZZ	1 thru 30	Walls from 2 meters to crane rail & top of control room	5-29-01 DA	(30) 5-29-01 DA	N/A	(30) 6-6-01 RA2	(10) 6-6-01 RA2
	A0403	01OH2	B0001	ZZZZZ	1 thru 45	Overhead above crane rail	5-29-01 RA2	(45) 6-5-01 RA2	N/A	(45) 6-6-01	(10) 6-6-01
*	A0403	01EQ1	B9999	ZZZZZ	1 thru 30	Crane Hoist(s)	5-29-01 RA2	(30) 6-5-01 RA2	N/A	(30) 6-5-01 RA2	(10) 6-5-01 RA2
	A0403	02OH1	B9999	ZZZZZ	1 thru 5	I/S Overhead of control room.	DA 5-29-01	(5) 5-29-01 DA	N/A	(5) 6-6-01 RA2	(2) 6-6-01 RA2
	A0403	01V01	B9999	ZZZZZ	1 thru 5	Reactor Bldg. Intake (Vent 1)	5-29-01 DA	(5) 5-29-01 DA	N/A	(5) 6-6-01 RA2	(1) 6-6-01 RA2
*	A0403	01V02	B9999	ZZZZZ	1 thru 5	Control Room Intake (Vent 2)	5/29/01 DA	(5) 5-29-01 DA	N/A	(5) 6-6-01 RA2	(2) 6-6-01 RA2

* These surfaces moved to package 3A after initial review and reclassification to suspect affected. See package 3A for results. P. Jones 11/8/01

0050

Survey performance (Initial and date as ...urvey 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										
			A							
		N								
							A			
						N				

P. Jones 8/7/01

Package Review	
Date Package Completed	5/31/02
Package Reviewed by and Date	5/31/02

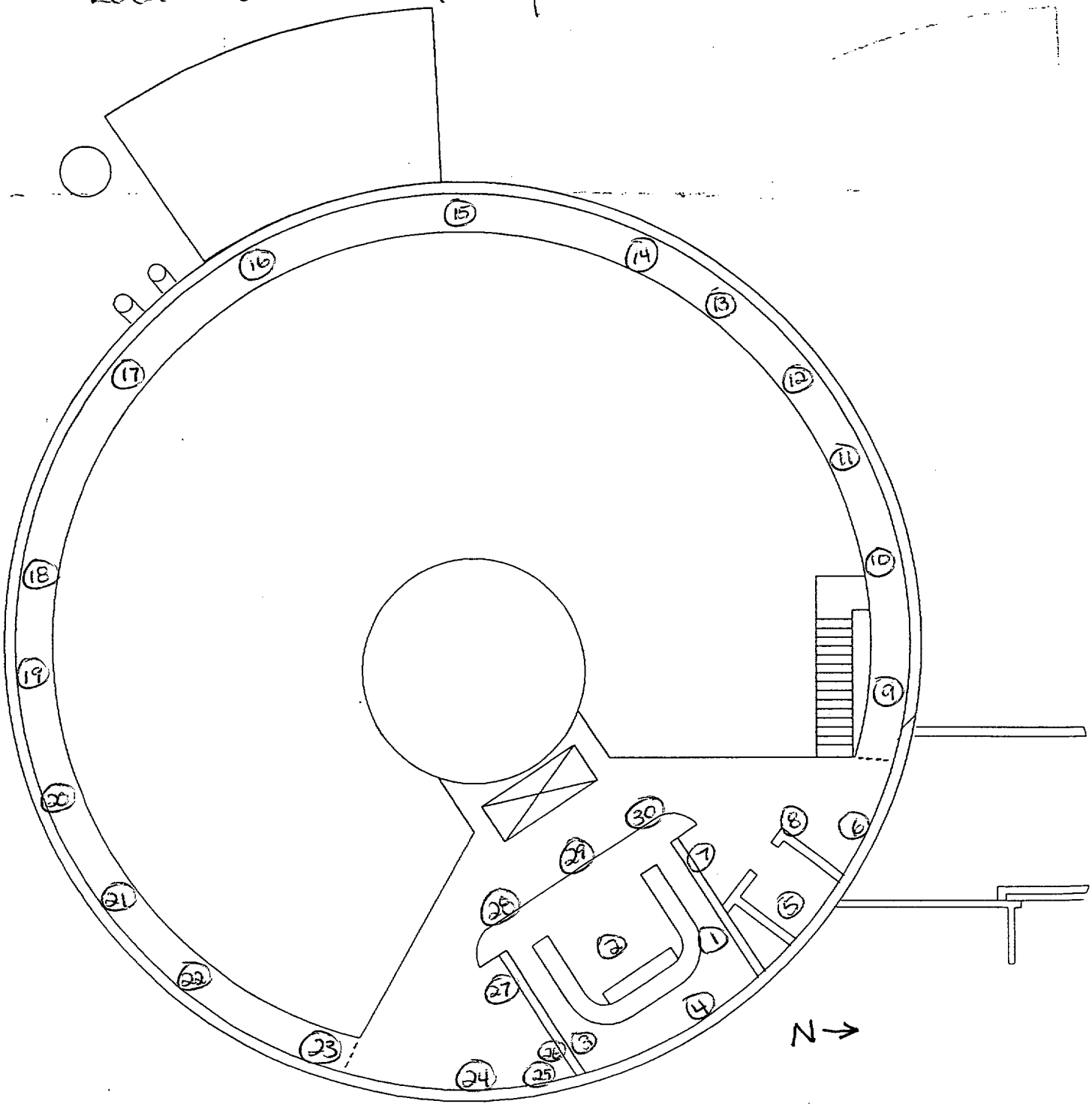
Survey Comments

Section 2

Package 3
2nd Floor Above 2 Meters Drawings

GEORGIA TECH RESEARCH REACTOR BUILDING - SECOND FLOOR

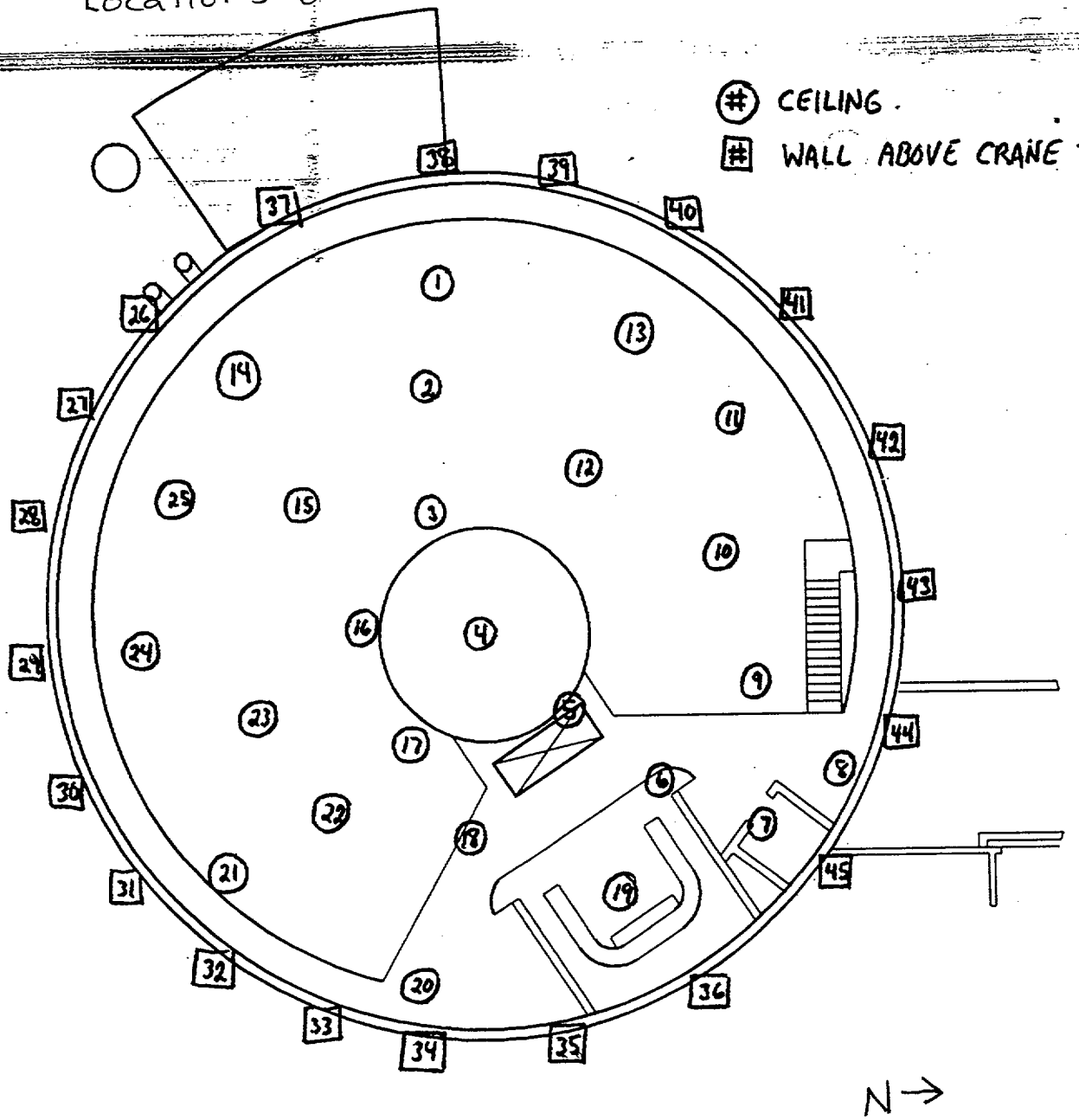
Package 3 (A0403) 2nd Floor Above 2-meters.
Locations of sample points 1-30 of 010H1



GEORGIA TECH RESEARCH REACTOR BUILDING - SECOND FLOOR

Package 3 (A0403) 2nd Floor above 2 meters

Locations of sample points 1-45 of 010H2.



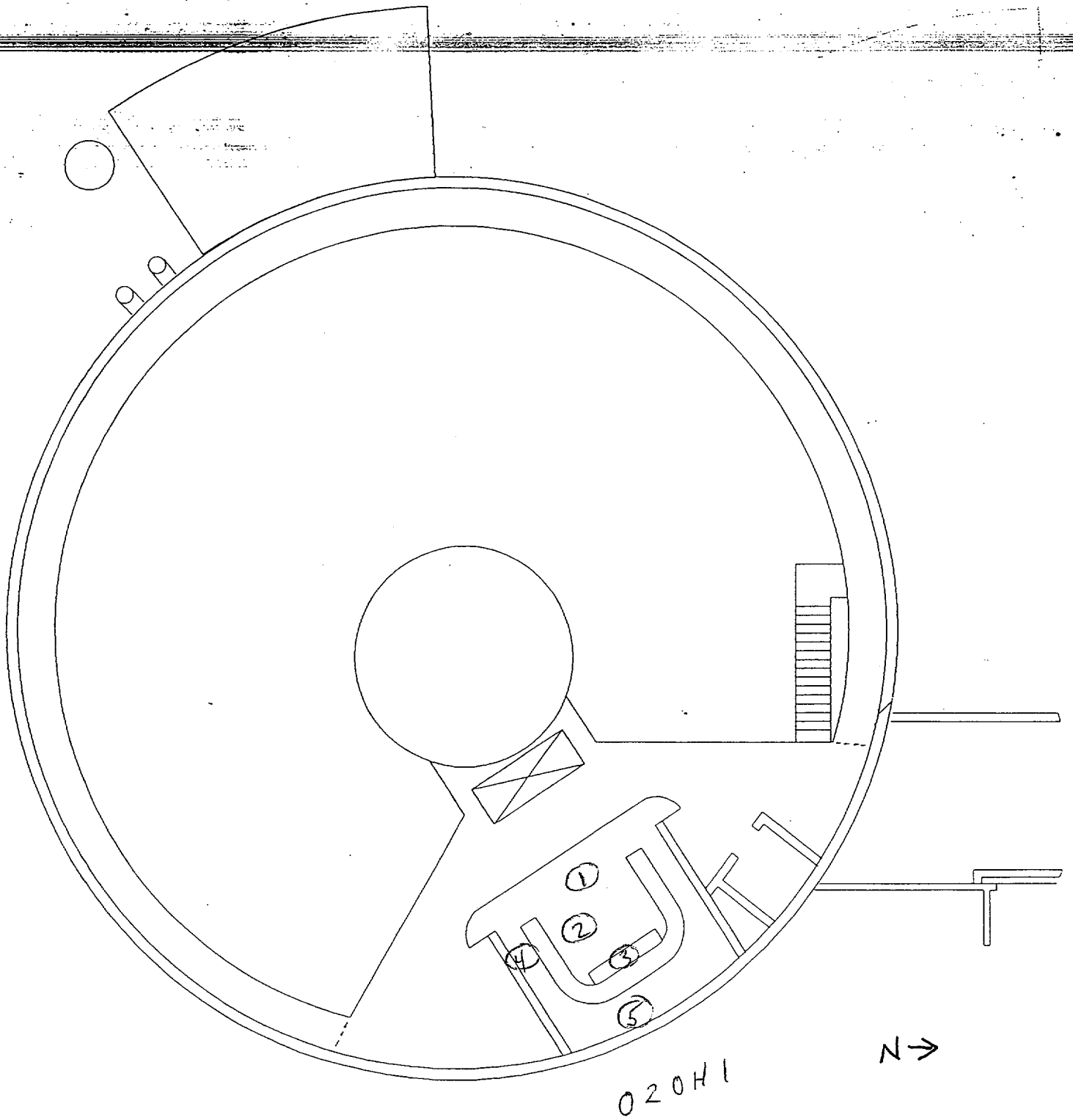
Georgia Institute of Technology

Surveyor Comments: CEILING SURVEY SURVEY POINTS MARKED AND NUMBERED.

R.A. LEIGH 6-5-01

GEORGIA TECH RESEARCH REACTOR BUILDING - SECOND FLOOR

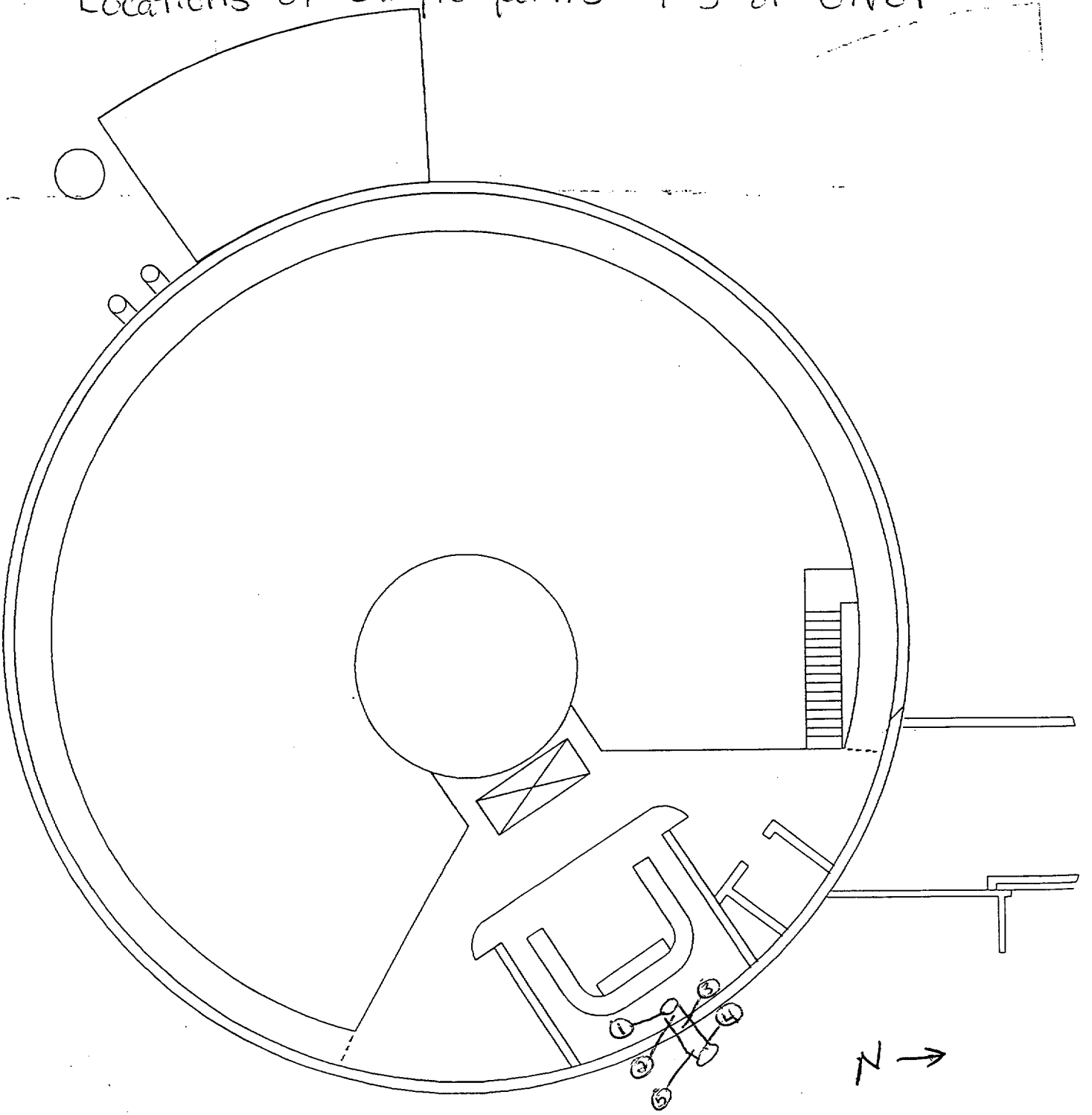
Package 3 (A0403) 2nd Floor Above 2 meters.
Locations of sample points 1-5 of 020H1



GEORGIA TECH RESEARCH REACTOR BUILDING - SECOND FLOOR

Package 3 (A0403) 2nd Floor Above 2 meters.

Locations of sample points 1-5 of 01V01



Section 3

Package 3
Direct Beta Survey Report for the 2nd Floor Above 2 Meters Non-Suspect Affected Area (including download reports)

Direct

Package A0403 ~~Fixed~~ Beta Survey Report (2nd Floor Above 2 Meters Non-Suspect Affected)

RP 1/4/02

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 ($dpm/100cm^2$)
010H1	126	15	201	20	B0001	126	010H1	FLDCT	ZZZZZ	00001	0.23	454	516	346	170	498
	126	16	182	20	B0001	126	010H1	FLDCT	ZZZZZ	00002	0.23	454	319	346	-27	498
	126	17	185	20	B0001	126	010H1	FLDCT	ZZZZZ	00003	0.23	454	350	346	4	498
	126	18	171	20	B0001	126	010H1	FLDCT	ZZZZZ	00004	0.23	454	205	346	-141	498
	126	19	223	20	B0001	126	010H1	FLDCT	ZZZZZ	00005	0.23	454	744	346	398	498
	126	20	172	20	B0001	126	010H1	FLDCT	ZZZZZ	00006	0.23	454	216	346	-130	498
	126	21	179	20	B0001	126	010H1	FLDCT	ZZZZZ	00007	0.23	454	288	346	-58	498
	126	22	196	20	B0001	126	010H1	FLDCT	ZZZZZ	00008	0.23	454	464	346	118	498
	126	23	183	20	B0001	126	010H1	FLDCT	ZZZZZ	00009	0.23	454	330	346	-16	498
	126	24	212	20	B0001	126	010H1	FLDCT	ZZZZZ	00010	0.23	454	630	346	284	498
	126	25	189	20	B0001	126	010H1	FLDCT	ZZZZZ	00011	0.23	454	392	346	46	498
	126	26	185	20	B0001	126	010H1	FLDCT	ZZZZZ	00012	0.23	454	350	346	4	498
	126	27	164	20	B0001	126	010H1	FLDCT	ZZZZZ	00013	0.23	454	133	346	-213	498
	126	28	188	20	B0001	126	010H1	FLDCT	ZZZZZ	00014	0.23	454	381	346	35	498
	126	29	157	20	B0001	126	010H1	FLDCT	ZZZZZ	00015	0.23	454	60	346	-286	498
	126	30	168	20	B0001	126	010H1	FLDCT	ZZZZZ	00016	0.23	454	174	346	-172	498
	126	31	170	20	B0001	126	010H1	FLDCT	ZZZZZ	00017	0.23	454	195	346	-151	498
	126	32	162	20	B0001	126	010H1	FLDCT	ZZZZZ	00018	0.23	454	112	346	-234	498
	126	33	169	20	B0001	126	010H1	FLDCT	ZZZZZ	00019	0.23	454	185	346	-161	498
	126	34	175	20	B0001	126	010H1	FLDCT	ZZZZZ	00020	0.23	454	247	346	-99	498
	126	35	155	20	B0001	126	010H1	FLDCT	ZZZZZ	00021	0.23	454	40	346	-306	498
	126	36	153	20	B0001	126	010H1	FLDCT	ZZZZZ	00022	0.23	454	19	346	-327	498
	126	37	192	20	B0001	126	010H1	FLDCT	ZZZZZ	00023	0.23	454	423	346	77	498
	126	38	172	20	B0001	126	010H1	FLDCT	ZZZZZ	00024	0.23	454	216	346	-130	498
	126	39	152	20	B0001	126	010H1	FLDCT	ZZZZZ	00025	0.23	454	9	346	-337	498
	126	40	182	20	B0001	126	010H1	FLDCT	ZZZZZ	00026	0.23	454	319	346	-27	498
	126	41	182	20	B0001	126	010H1	FLDCT	ZZZZZ	00027	0.23	454	319	346	-27	498
	126	42	200	20	B0001	126	010H1	FLDCT	ZZZZZ	00028	0.23	454	506	346	160	498
	126	43	159	20	B0001	126	010H1	FLDCT	ZZZZZ	00029	0.23	454	81	346	-265	498
	126	44	172	20	B0001	126	010H1	FLDCT	ZZZZZ	00030	0.23	454	216	346	-130	498
010H2	131	35	133	20	B9999	126	010H2	FLDCT	ZZZZZ	00001	0.206	384	57	0	57	469
	131	36	140	20	B9999	126	010H2	FLDCT	ZZZZZ	00002	0.206	384	138	0	138	469
	131	37	142	20	B9999	126	010H2	FLDCT	ZZZZZ	00003	0.206	384	161	0	161	469
	131	38	151	20	B9999	126	010H2	FLDCT	ZZZZZ	00004	0.206	384	265	0	265	469
	131	39	176	20	B9999	126	010H2	FLDCT	ZZZZZ	00005	0.206	384	554	0	554	469
	131	40	159	20	B9999	126	010H2	FLDCT	ZZZZZ	00006	0.206	384	358	0	358	469
	131	41	156	20	B9999	126	010H2	FLDCT	ZZZZZ	00007	0.206	384	323	0	323	469
	131	42	149	20	B9999	126	010H2	FLDCT	ZZZZZ	00008	0.206	384	242	0	242	469
	131	43	180	20	B9999	126	010H2	FLDCT	ZZZZZ	00009	0.206	384	600	0	600	469
	131	44	161	20	B9999	126	010H2	FLDCT	ZZZZZ	00010	0.206	384	381	0	381	469
	131	45	152	20	B9999	126	010H2	FLDCT	ZZZZZ	00011	0.206	384	277	0	277	469
	131	46	164	20	B9999	126	010H2	FLDCT	ZZZZZ	00012	0.206	384	415	0	415	469
	131	47	179	20	B9999	126	010H2	FLDCT	ZZZZZ	00013	0.206	384	589	0	589	469
	131	48	126	20	B9999	126	010H2	FLDCT	ZZZZZ	00014	0.206	384	-24	0	-24	469
	131	49	146	20	B9999	126	010H2	FLDCT	ZZZZZ	00015	0.206	384	207	0	207	469
	131	50	167	20	B9999	126	010H2	FLDCT	ZZZZZ	00016	0.206	384	450	0	450	469
	131	51	163	20	B9999	126	010H2	FLDCT	ZZZZZ	00017	0.206	384	404	0	404	469
	131	52	175	20	B9999	126	010H2	FLDCT	ZZZZZ	00018	0.206	384	542	0	542	469
	131	53	147	20	B9999	126	010H2	FLDCT	ZZZZZ	00019	0.206	384	219	0	219	469
	131	54	149	20	B9999	126	010H2	FLDCT	ZZZZZ	00020	0.206	384	242	0	242	469
	131	55	153	20	B9999	126	010H2	FLDCT	ZZZZZ	00021	0.206	384	288	0	288	469

Direct

Package A0403 ~~Fixed~~ Beta Survey Report (2nd Floor Above 2 Meters Non-Suspect Affected)

AP 1/12/98

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 ($dpm/100cm^2$)
	131	56	169	20	B9999	126	010H2	FLDCT	ZZZZZ	00022	0.206	384	473	0	473	469
	131	57	175	20	B9999	126	010H2	FLDCT	ZZZZZ	00023	0.206	384	542	0	542	469
	131	58	164	20	B9999	126	010H2	FLDCT	ZZZZZ	00024	0.206	384	415	0	415	469
	131	59	148	20	B9999	126	010H2	FLDCT	ZZZZZ	00025	0.206	384	230	0	230	469
	131	62	177	20	B0001	126	010H2	FLDCT	ZZZZZ	00026	0.206	384	566	346	220	517
	131	63	145	20	B0001	126	010H2	FLDCT	ZZZZZ	00027	0.206	384	196	346	-150	517
	131	64	175	20	B0001	126	010H2	FLDCT	ZZZZZ	00028	0.206	384	542	346	196	517
	131	65	161	20	B0001	126	010H2	FLDCT	ZZZZZ	00029	0.206	384	381	346	35	517
	131	66	157	20	B0001	126	010H2	FLDCT	ZZZZZ	00030	0.206	384	334	346	-12	517
	131	67	154	20	B0001	126	010H2	FLDCT	ZZZZZ	00031	0.206	384	300	346	-46	517
	131	68	159	20	B0001	126	010H2	FLDCT	ZZZZZ	00032	0.206	384	358	346	12	517
	131	69	150	20	B0001	126	010H2	FLDCT	ZZZZZ	00033	0.206	384	254	346	-92	517
	131	70	139	20	B0001	126	010H2	FLDCT	ZZZZZ	00034	0.206	384	126	346	-220	517
	131	71	167	20	B0001	126	010H2	FLDCT	ZZZZZ	00035	0.206	384	450	346	104	517
	131	72	172	20	B0001	126	010H2	FLDCT	ZZZZZ	00036	0.206	384	508	346	162	517
	131	73	171	20	B0001	126	010H2	FLDCT	ZZZZZ	00037	0.206	384	496	346	150	517
	131	74	177	20	B0001	126	010H2	FLDCT	ZZZZZ	00038	0.206	384	566	346	220	517
	131	75	164	20	B0001	126	010H2	FLDCT	ZZZZZ	00039	0.206	384	415	346	69	517
	131	76	202	20	B0001	126	010H2	FLDCT	ZZZZZ	00040	0.206	384	855	346	509	517
	131	77	158	20	B0001	126	010H2	FLDCT	ZZZZZ	00041	0.206	384	346	346	0	517
	131	78	162	20	B0001	126	010H2	FLDCT	ZZZZZ	00042	0.206	384	392	346	46	517
	131	79	185	20	B0001	126	010H2	FLDCT	ZZZZZ	00043	0.206	384	658	346	312	517
	131	80	152	20	B0001	126	010H2	FLDCT	ZZZZZ	00044	0.206	384	277	346	-69	517
	131	81	160	20	B0001	126	010H2	FLDCT	ZZZZZ	00045	0.206	384	369	346	23	517
01V01	126	5	125	20	B9999	126	01V01	FLDCT	ZZZZZ	00001	0.23	308	232	0	232	379
	126	6	104	20	B9999	126	01V01	FLDCT	ZZZZZ	00002	0.23	308	15	0	15	379
	126	7	126	20	B9999	126	01V01	FLDCT	ZZZZZ	00003	0.23	308	243	0	243	379
	126	8	150	20	B9999	126	01V01	FLDCT	ZZZZZ	00004	0.23	308	491	0	491	379
	126	9	157	20	B9999	126	01V01	FLDCT	ZZZZZ	00005	0.23	308	563	0	563	379
02OH1	126	46	199	20	B9999	126	020H1	FLDCT	ZZZZZ	00001	0.23	489	371	0	371	470
	126	47	202	20	B9999	126	020H1	FLDCT	ZZZZZ	00002	0.23	489	402	0	402	470
	126	48	164	20	B9999	126	020H1	FLDCT	ZZZZZ	00003	0.23	489	9	0	9	470
	126	49	139	20	B9999	126	020H1	FLDCT	ZZZZZ	00004	0.23	489	-250	0	-250	470
	126	50	189	20	B9999	126	020H1	FLDCT	ZZZZZ	00005	0.23	489	268	0	268	470
														# Measurements	85	
														Average	120	$dpm/100cm^2$
														Maximum	517	$dpm/100cm^2$
														STD DEV	243	$dpm/100cm^2$
														95% CL on Mean	172	$dpm/100cm^2$

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 #126

ATTACHMENT 6.14
SURVEY DOWNLOAD DATA SHEET

Download Technician: Print Name: D. Schumaker Signature: [signature] Station: 2 File: 126
Serial No. Verification: Model 2350: ☑ Detector: ☐ Problems: ☐ (See Comments)

Survey Technician(s):
Print Name: D. Schumaker User ID DPS4133 Signature: [signature] Date: 5/25/01

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

Survey Unit Description: A0403: 2nd Floor Above 2 meters 01V01, 01V02, 010H1, 020H1
(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	.230	5790	126	126
☐ Alpha α		43-68A				
☐ Gamma γ		44-2	N/A			

Local Area Background Measurements	01V01	010H1	020H1				MEAN Value in cpm
10 min β Beta	1 13077	2 *4811	3 4535	4 4894	** 5 5034	6	447
α Alpha	1	2	3	4	5	6	

COMMENTS: * Background for 01V02, L8 1 thru 3 (sample #'s 11 thru 13)
** Background for 01V02, L8 4 & 5 (sample #'s 52 & 53)

GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

Direct Beta Survey Report, dpm/100 cm2

File Number: 126	Survey Description: A0403: 2nd LEVEL ABOVE 2 METERS 01V01,01V02,010H1,020H1		
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: 447 cpm	Beta Efficiency: .230		Survey Date: 5/25/01

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 3 pages of the report, 0 pages of comments, and 1 graph.

I performed this survey: Don Schumaker / [signature] Date: 5/25/01
Print name Signature

and,

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

Corrections and Reasons:

Comment Resolution:

Survey Reviewed nd Approved by: Paul Jones / Paul A Jones Date: 6/7/01
Print name Signature

Survey Date: 5/25/01 Report Date: 5/25/01 Page: 1
File: 126 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number	0
	A0403	010H1	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	14	600	4535	22	
						Group Average:	22	
FLDCT	B0001	ZZZZZ	00001	15	20	201	538	
FLDCT	B0001	ZZZZZ	00002	16	20	182	342	
FLDCT	B0001	ZZZZZ	00003	17	20	185	373	
FLDCT	B0001	ZZZZZ	00004	18	20	171	228	
FLDCT	B0001	ZZZZZ	00005	19	20	223	766	
FLDCT	B0001	ZZZZZ	00006	20	20	172	238	
FLDCT	B0001	ZZZZZ	00007	21	20	179	311	
FLDCT	B0001	ZZZZZ	00008	22	20	196	487	
FLDCT	B0001	ZZZZZ	00009	23	20	183	352	
FLDCT	B0001	ZZZZZ	00010	24	20	212	652	
FLDCT	B0001	ZZZZZ	00011	25	20	189	414	
FLDCT	B0001	ZZZZZ	00012	26	20	185	373	
FLDCT	B0001	ZZZZZ	00013	27	20	164	155	
FLDCT	B0001	ZZZZZ	00014	28	20	188	404	
FLDCT	B0001	ZZZZZ	00015	29	20	157	83	
FLDCT	B0001	ZZZZZ	00016	30	20	168	197	
FLDCT	B0001	ZZZZZ	00017	31	20	170	217	
FLDCT	B0001	ZZZZZ	00018	32	20	162	135	
FLDCT	B0001	ZZZZZ	00019	33	20	169	207	
FLDCT	B0001	ZZZZZ	00020	34	20	175	269	
FLDCT	B0001	ZZZZZ	00021	35	20	155	62	
FLDCT	B0001	ZZZZZ	00022	36	20	153	41	
FLDCT	B0001	ZZZZZ	00023	37	20	192	445	
FLDCT	B0001	ZZZZZ	00024	38	20	172	238	
FLDCT	B0001	ZZZZZ	00025	39	20	152	31	
FLDCT	B0001	ZZZZZ	00026	40	20	182	342	
FLDCT	B0001	ZZZZZ	00027	41	20	182	342	
FLDCT	B0001	ZZZZZ	00028	42	20	200	528	
FLDCT	B0001	ZZZZZ	00029	43	20	159	104	
FLDCT	B0001	ZZZZZ	00030	44	20	172	238	
						Group Average:	304	

Survey Code	L1	L2	L3	L4	Setup Number	0
	A0403	01V01	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	4	600	3077	-481	
						Group Average:	-481	
FLDCT	B9999	ZZZZZ	00001	5	20	125	-248	
FLDCT	B9999	ZZZZZ	00002	6	20	104	-466	
FLDCT	B9999	ZZZZZ	00003	7	20	126	-238	
FLDCT	B9999	ZZZZZ	00004	8	20	150	10	
FLDCT	B9999	ZZZZZ	00005	9	20	157	83	
						Group Average:	-172	

* Hi flag set at 1200 dpm/100 cm2

Survey Date: 5/25/01 Report Date: 5/25/01 Page: 2
File: 126 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0403	01V02	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	10	600	4811	118	
FLDBK	B9999	ZZZZZ	00004	51	600	5034	195	
						Group Average:	156	
FLDCT	B9999	ZZZZZ	00001	11	20	154	52	
FLDCT	B9999	ZZZZZ	00002	12	20	184	362	
FLDCT	B9999	ZZZZZ	00003	13	20	170	217	
FLDCT	B9999	ZZZZZ	00004	52	20	219	725	
FLDCT	B9999	ZZZZZ	00005	53	20	250	1046	
						Group Average:	480	

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0403	020H1	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	45	600	4894	146	
						Group Average:	146	
FLDCT	B9999	ZZZZZ	00001	46	20	199	518	
LDCT	B9999	ZZZZZ	00002	47	20	202	549	
FLDCT	B9999	ZZZZZ	00003	48	20	164	155	
FLDCT	B9999	ZZZZZ	00004	49	20	139	-104	
FLDCT	B9999	ZZZZZ	00005	50	20	189	414	
						Group Average:	306	

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	Hi
PTB00	ZZZZZ	ZZZZZ	00000	55	60	6003	19172	*
PTB00	ZZZZZ	ZZZZZ	00000	56	60	6236	19976	*
PTB00	ZZZZZ	ZZZZZ	00000	57	60	6087	19462	*
						Group Average:	19536	

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	Hi
PTBBK	ZZZZZ	ZZZZZ	00000	54	600	4239	-80	
						Group Average:	-80	

* Hi flag set at 1200 dpm/100 cm2

Survey Date: 5/25/01 Report Date: 5/25/01 Page: 3
File: 126 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	EZ260	TAT01	03100	Det Cal Due: 9/23/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRB00	ZZZZZ	ZZZZZ	00000	1	60	6155	19696	*
PRB00	ZZZZZ	ZZZZZ	00000	2	60	6218	19914	*
PRB00	ZZZZZ	ZZZZZ	00000	3	60	6201	19855	*
						Group Average:	19822	

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	ZZZZZ	TAT01	03100	Det Cal Due: 9/23/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	4005	-160	
						Group Average:	-160	

Total Number of Measurements on this Report: 58

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

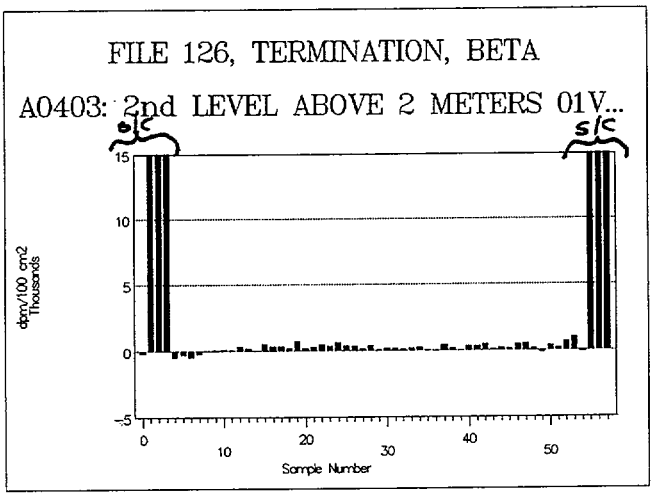
GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

5/25/2001 Graph of File 126 Station: 2

Survey Date: 5/25/2001 Survey Start Time: 08:59:40

Description: A0403: 2nd LEVEL ABOVE 2 METERS 01V01,01V02,010H1,020H1



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.

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 #131

ATTACHMENT 6.14
SURVEY DOWNLOAD DATA SHEET

ownload Print
Technician: Name: D. Schumaker Signature: Station: 2
File: 131
Serial No. Verification: Model 2350: ☐ Detector: ☐ Problems: ☐ (See Comments)

Survey Technician(s):
Print Name: RALEIGH User ID RAL7103 Signature: RAL Date: 6-5-01

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

Survey Unit Description: A0403: 2ND Floor Above 2 meters O/H Above crane Rail, Crane Hoists
(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	.206	5209 / 312 DPS 6-6-01	131	131
☐ Alpha α		43-68A				
☐ Gamma γ		44-2	N/A			

Local Area Background Measurements 01EQ1 91042 MEAN Value in cpm ↓

10 min β Beta	1 2405	2 3842	3	4	5	6	312
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: 131	Survey Description: A0403: 2nd FLOOR ABOVE 2 METERS,O/H ABOVE CRANE,CRANE HOISTS		
Survey Reason: TERMINATION	User ID: RAL7103	Technician name: R.A. Leigh	
Instrument Model: 2350-1	S/N: 126170	Calibration Due: ~~4/30/01~~ 6/14/01 6/4/01	Group: 2
Detector Model: 43-68B	Detector S/N: 091029	Type: 126 cm2 Gas Proportional Detector, Beta Window	
Background: 312 cpm	Beta Efficiency: .206		Survey Date: 6/05/01

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 3 pages of the report, 1 pages of comments, and 1 graph.

I performed this survey: R. A. LEIGH (Print name) / R.A. Leigh (Signature) Date: 6-6-01

and,

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

Corrections and Reasons:

Comment Resolution:

Survey Reviewed and Approved by: Pam Jones (Print name) / Pam Jones (Signature) Date: 6/6/01

Survey Date: 6/05/01 Report Date: 6/06/01 Page: 1
File: 131 Station: 2

Comments

Survey Code	L1	L2	L3	L4
	A0403	010H2	TAT01	02200

Setup Number 0
Det Cal Due: ~~5/01/01~~ 6/15/01 — 09 6/6/0

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B0001	ZZZZZ	00000	61	600	3842	278	
						Group Average:	278	
FLDCT	B9999	ZZZZZ	00001	35	20	133	335	
FLDCT	B9999	ZZZZZ	00002	36	20	140	416	
FLDCT	B9999	ZZZZZ	00003	37	20	142	439	
FLDCT	B9999	ZZZZZ	00004	38	20	151	543	
FLDCT	B9999	ZZZZZ	00005	39	20	176	832	
FLDCT	B9999	ZZZZZ	00006	40	20	159	636	
FLDCT	B9999	ZZZZZ	00007	41	20	156	601	
FLDCT	B9999	ZZZZZ	00008	42	20	149	520	
FLDCT	B9999	ZZZZZ	00009	43	20	180	878	
FLDCT	B9999	ZZZZZ	00010	44	20	161	659	
FLDCT	B9999	ZZZZZ	00011	45	20	152	555	
FLDCT	B9999	ZZZZZ	00012	46	20	164	693	
FLDCT	B9999	ZZZZZ	00013	47	20	179	867	
FLDCT	B9999	ZZZZZ	00014	48	20	126	254	
FLDCT	B9999	ZZZZZ	00015	49	20	146	485	
FLDCT	B9999	ZZZZZ	00016	50	20	167	728	
FLDCT	B9999	ZZZZZ	00017	51	20	163	682	
FLDCT	B9999	ZZZZZ	00018	52	20	175	821	
FLDCT	B9999	ZZZZZ	00019	53	20	147	497	
FLDCT	B9999	ZZZZZ	00020	54	20	149	520	
FLDCT	B9999	ZZZZZ	00021	55	20	153	566	
FLDCT	B9999	ZZZZZ	00022	56	20	169	751	
FLDCT	B9999	ZZZZZ	00023	57	20	175	821	
FLDCT	B9999	ZZZZZ	00024	58	20	164	693	
FLDCT	B9999	ZZZZZ	00025	59	20	148	509	
FLDCT	B0001	ZZZZZ	00026	62	20	177	844	
FLDCT	B0001	ZZZZZ	00027	63	20	145	474	
FLDCT	B0001	ZZZZZ	00028	64	20	175	821	
FLDCT	B0001	ZZZZZ	00029	65	20	161	659	
FLDCT	B0001	ZZZZZ	00030	66	20	157	613	
FLDCT	B0001	ZZZZZ	00031	67	20	154	578	
FLDCT	B0001	ZZZZZ	00032	68	20	159	636	
FLDCT	B0001	ZZZZZ	00033	69	20	150	532	
FLDCT	B0001	ZZZZZ	00034	70	20	139	405	
FLDCT	B0001	ZZZZZ	00035	71	20	167	728	
FLDCT	B0001	ZZZZZ	00036	72	20	172	786	
FLDCT	B0001	ZZZZZ	00037	73	20	171	774	
FLDCT	B0001	ZZZZZ	00038	74	20	177	844	
FLDCT	B0001	ZZZZZ	00039	75	20	164	693	
FLDCT	B0001	ZZZZZ	00040	76	20	202	1133	
FLDCT	B0001	ZZZZZ	00041	77	20	158	624	
FLDCT	B0001	ZZZZZ	00042	78	20	162	670	
FLDCT	B0001	ZZZZZ	00043	79	20	185	936	
FLDCT	B0001	ZZZZZ	00044	80	20	152	555	
FLDCT	B0001	ZZZZZ	00045	81	20	160	647	
						Group Average:	650	

Survey Code	L1	L2	L3	L4
	A0403	01EQ1	TAT01	02200

Setup Number 0
Det Cal Due: 5/01/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B9999	ZZZZZ	00001	4	600	2405	-275	

* Hi flag set at 1200 dpm/100 cm2

Survey Date: 6/05/01 Report Date: 6/06/01 Page: 2
File: 131 Station: 2

Comments

Survey Code	L1	L2	L3	L4
	A0403	01EQ1	TAT01	02200

Setup Number 0
Det Cal Due: ~~5/01/01~~ 6/15/01 — JA 6/6/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
					Group Average:		-275	
FLDCT	B9999	ZZZZZ	00001	5	20	134	347	
FLDCT	B9999	ZZZZZ	00002	6	20	106	23	
FLDCT	B9999	ZZZZZ	00003	7	20	126	254	
FLDCT	B9999	ZZZZZ	00004	8	20	138	393	
FLDCT	B9999	ZZZZZ	00005	9	20	163	682	
FLDCT	B9999	ZZZZZ	00006	10	20	167	728	
FLDCT	B9999	ZZZZZ	00007	11	20	166	717	
FLDCT	B9999	ZZZZZ	00008	12	20	109	58	
FLDCT	B9999	ZZZZZ	00009	13	20	105	12	
FLDCT	B9999	ZZZZZ	00010	14	20	107	35	
FLDCT	B9999	ZZZZZ	00011	15	20	108	46	
FLDCT	B9999	ZZZZZ	00012	16	20	95	-104	
FLDCT	B9999	ZZZZZ	00013	17	20	107	35	
FLDCT	B9999	ZZZZZ	00014	18	20	101	-35	
FLDCT	B9999	ZZZZZ	00015	19	20	94	-116	
FLDCT	B9999	ZZZZZ	00016	20	20	78	-301	
FLDCT	B9999	ZZZZZ	00017	21	20	89	-173	
FLDCT	B9999	ZZZZZ	00018	22	20	88	-185	
FLDCT	B9999	ZZZZZ	00019	23	20	76	-324	
FLDCT	B9999	ZZZZZ	00020	24	20	92	-139	
FLDCT	B9999	ZZZZZ	00021	25	20	81	-266	
FLDCT	B9999	ZZZZZ	00022	26	20	122	208	
FLDCT	B9999	ZZZZZ	00023	27	20	79	-289	
FLDCT	B9999	ZZZZZ	00024	28	20	80	-277	
FLDCT	B9999	ZZZZZ	00025	29	20	60	-509	
FLDCT	B9999	ZZZZZ	00026	30	20	103	-12	
FLDCT	B9999	ZZZZZ	00027	31	20	116	139	
FLDCT	B9999	ZZZZZ	00028	32	20	110	69	
FLDCT	B9999	ZZZZZ	00029	33	20	87	-196	
FLDCT	B9999	ZZZZZ	00030	34	20	84	-231	
					Group Average:		20	

Survey Code	L1	L2	L3	L4
	ZZZZZ	EZ260	TAT01	02200

Setup Number 0
Det Cal Due: 5/01/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRB00	ZZZZZ	ZZZZZ	00000	1	60	5622	20458	*
PRB00	ZZZZZ	ZZZZZ	00000	2	60	5803	21155	*
PRB00	ZZZZZ	ZZZZZ	00000	3	60	5292	19186	*
					Group Average:		20266	
PTB00	ZZZZZ	ZZZZZ	00000	83	60	5625	20469	*
PTB00	ZZZZZ	ZZZZZ	00000	84	60	6077	22211	*
PTB00	ZZZZZ	ZZZZZ	00000	85	60	5581	20300	*
					Group Average:		20993	

* Hi flag set at 1200 dpm/100 cm2

Survey Date: 6/05/01 Report Date: 6/06/01 Page: 3
File: 131 Station: 2

Comments

Survey Code	L1 ZZZZZ	L2 ZZZZZ	L3 TAT01	L4 02200

Setup Number 0
Det Cal Due: ~~5/01/01~~ 6/15/01 — AM 6/6/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	3627	195	
						Group Average:	195	
PTB00	ZZZZZ	ZZZZZ	00000	82	600	4312	459	
						Group Average:	459	

Total Number of Measurements on this Report: 85

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

6/06/01 Comments Report for File 131 Station: 2

Comment Number	Comment
1	Deleted sample numbers from 60 to 60. Because data was taken without background shield.(see sample #61 for resurvey).

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

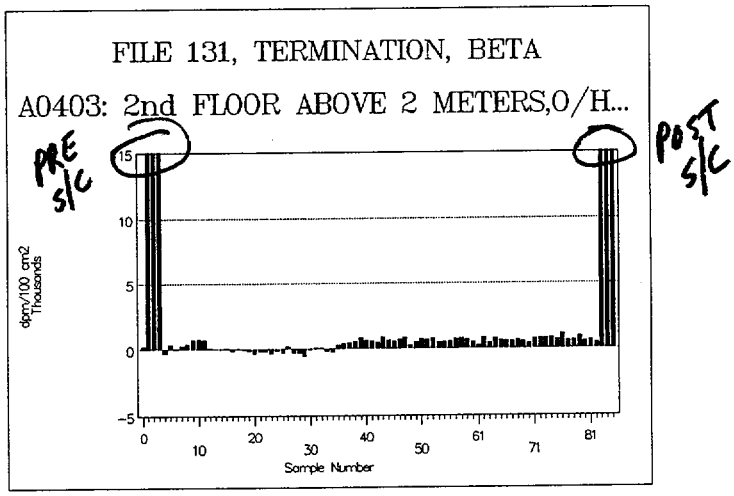
GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

6/06/2001 Graph of File 131 Station: 2

Survey Date: 6/05/2001 Survey Start Time: 11:49:26

Description: A0403: 2nd FLOOR ABOVE 2 METERS,O/H ABOVE CRANE,CRANE HOISTS



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.

Memorandum

To: Maintenance History File

CC: Georgia Tech Project File, Tom Scott, Donald Schumaker

From: Paul Jones PJ

Date: 5/2/01

Re: Calibration Extension for M2350 Detectors

This memo is to document the calibration due date has been extended 45 days for Ludlum 2350-1 and associated detectors. The new calibration due dates are as follows;

2350-1 # 126170 Calibration Due on 06/14/01

43-68B # 091029 Calibration Due on 06/15/01

43-68A # 091029 Calibration Due on 06/15/01

44-40 # 092642 Calibration Due on 06/14/01

44-2 #119789 Calibration Due on 06/15/01

2350-1 # 129429 Calibration Due on 06/14/01

43-68B # 091050 Calibration Due on 06/15/01

43-68A # 091050 Calibration Due on 06/15/01

44-40 # 092620 Calibration Due on 06/14/01

44-2 # 091034 Calibration Due on 06/15/01

These calibration dates are extended on the basis that these detectors receive a daily efficiency when used and their replacement detectors will be shipped in prior to their new calibration due date.

File: GT006filememo

Section 4

Package 3
Removable Beta Contamination Summary Data Table for the 2nd Floor Above 2 Meters Non-Suspect Affected (including lab reports)

Removable Beta Contamination Package A0403 (2nd Floor Above 2 Meters Non Suspect Affected)

Desc.	Gross Counts	Count Time (sec)	Sample Area (cm^2)	Surface	Count Type	Row	Location	Efficiency (dpm/cpm)	Background (cpm)	Net Activity (dpm/100cm^2)	MDA (dpm/100cm^2)
	14	90	100	010H1	FLDCT	ZZZZZ	00001	0.3425	2	23	16
	9	90	100	010H1	FLDCT	ZZZZZ	00002	0.3425	2	13	16
	11	90	100	010H1	FLDCT	ZZZZZ	00003	0.3425	2	16	16
	12	90	100	010H1	FLDCT	ZZZZZ	00004	0.3425	2	19	16
	4	90	100	010H1	FLDCT	ZZZZZ	00005	0.3425	2	3	16
	4	90	100	010H1	FLDCT	ZZZZZ	00006	0.3425	2	3	16
	1	90	100	010H1	FLDCT	ZZZZZ	00007	0.3425	2	-2	16
	6	90	100	010H1	FLDCT	ZZZZZ	00008	0.3425	2	7	16
	8	90	100	010H1	FLDCT	ZZZZZ	00009	0.3425	2	11	16
	9	90	100	010H1	FLDCT	ZZZZZ	00010	0.3425	2	13	16
	3	90	100	010H1	FLDCT	ZZZZZ	00011	0.3425	2	1	16
	0	90	100	010H1	FLDCT	ZZZZZ	00012	0.3425	2	-4	16
	5	90	100	010H1	FLDCT	ZZZZZ	00013	0.3425	2	5	16
	12	90	100	010H1	FLDCT	ZZZZZ	00014	0.3425	2	19	16
	12	90	100	010H1	FLDCT	ZZZZZ	00015	0.3425	2	19	16
	0	90	100	010H1	FLDCT	ZZZZZ	00016	0.3425	2	-5	16
	2	90	100	010H1	FLDCT	ZZZZZ	00017	0.3425	2	0	16
	12	90	100	010H1	FLDCT	ZZZZZ	00018	0.3425	2	19	16
	5	90	100	010H1	FLDCT	ZZZZZ	00019	0.3425	2	5	16
	2	90	100	010H1	FLDCT	ZZZZZ	00020	0.3425	2	0	16
	11	90	100	010H1	FLDCT	ZZZZZ	00021	0.3425	2	17	16
	2	90	100	010H1	FLDCT	ZZZZZ	00022	0.3425	2	0	16
	13	90	100	010H1	FLDCT	ZZZZZ	00023	0.3425	2	21	16
	3	90	100	010H1	FLDCT	ZZZZZ	00024	0.3425	2	1	16
	4	90	100	010H1	FLDCT	ZZZZZ	00025	0.3425	2	3	16
	3	90	100	010H1	FLDCT	ZZZZZ	00026	0.3425	2	1	16
	2	90	100	010H1	FLDCT	ZZZZZ	00027	0.3425	2	0	16
	2	90	100	010H1	FLDCT	ZZZZZ	00028	0.3425	2	0	16
	9	90	100	010H1	FLDCT	ZZZZZ	00029	0.3425	2	13	16
	2	90	100	010H1	FLDCT	ZZZZZ	00030	0.3425	2	0	16
	5	90	100	010H2	FLDCT	ZZZZZ	00001	0.3425	2	5	16
	3	90	100	010H2	FLDCT	ZZZZZ	00002	0.3425	2	0	16
	1	90	100	010H2	FLDCT	ZZZZZ	00003	0.3425	2	-2	16
	7	90	100	010H2	FLDCT	ZZZZZ	00004	0.3425	2	9	16
	5	90	100	010H2	FLDCT	ZZZZZ	00005	0.3425	2	5	16
	5	90	100	010H2	FLDCT	ZZZZZ	00006	0.3425	2	5	16
	11	90	100	010H2	FLDCT	ZZZZZ	00007	0.3425	2	17	16
	2	90	100	010H2	FLDCT	ZZZZZ	00008	0.3425	2	-2	16
	11	90	100	010H2	FLDCT	ZZZZZ	00009	0.3425	2	17	16
	6	90	100	010H2	FLDCT	ZZZZZ	00010	0.3425	2	6	16
	5	90	100	010H2	FLDCT	ZZZZZ	00011	0.3425	2	5	16
	5	90	100	010H2	FLDCT	ZZZZZ	00012	0.3425	2	5	16
	3	90	100	010H2	FLDCT	ZZZZZ	00013	0.3425	2	1	16
	3	90	100	010H2	FLDCT	ZZZZZ	00014	0.3425	2	1	16
	5	90	100	010H2	FLDCT	ZZZZZ	00015	0.3425	2	5	16
	6	90	100	010H2	FLDCT	ZZZZZ	00016	0.3425	2	7	16
	5	90	100	010H2	FLDCT	ZZZZZ	00017	0.3425	2	5	16

Removable Beta Contamination Package A0403 (2nd Floor Above 2 Meters Non Suspect Affected)

Desc.	Gross Counts	Count Time (sec)	Sample Area (cm^2)	Surface	Count Type	Row	Location	Efficiency (dpm/cpm)	Background (cpm)	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)
	6	90	100	010H2	FLDCT	ZZZZZ	00018	0.3425	2	7	16
	14	90	100	010H2	FLDCT	ZZZZZ	00019	0.3425	2	21	16
	5	90	100	010H2	FLDCT	ZZZZZ	00020	0.3425	2	5	16
	6	90	100	010H2	FLDCT	ZZZZZ	00021	0.3425	2	7	16
	2	90	100	010H2	FLDCT	ZZZZZ	00022	0.3425	2	0	16
	11	90	100	010H2	FLDCT	ZZZZZ	00023	0.3425	2	17	16
	0	90	100	010H2	FLDCT	ZZZZZ	00024	0.3425	2	-4	16
	4	90	100	010H2	FLDCT	ZZZZZ	00025	0.3425	2	3	16
	3	90	100	010H2	FLDCT	ZZZZZ	00026	0.3425	2	1	16
	5	90	100	010H2	FLDCT	ZZZZZ	00027	0.3425	2	5	16
	4	90	100	010H2	FLDCT	ZZZZZ	00028	0.3425	2	3	16
	0	90	100	010H2	FLDCT	ZZZZZ	00029	0.3425	2	-5	16
	9	90	100	010H2	FLDCT	ZZZZZ	00030	0.3425	2	13	16
	5	90	100	010H2	FLDCT	ZZZZZ	00031	0.3425	2	5	16
	4	90	100	010H2	FLDCT	ZZZZZ	00032	0.3425	2	3	16
	8	90	100	010H2	FLDCT	ZZZZZ	00033	0.3425	2	11	16
	5	90	100	010H2	FLDCT	ZZZZZ	00034	0.3425	2	5	16
	3	90	100	010H2	FLDCT	ZZZZZ	00035	0.3425	2	1	16
	5	90	100	010H2	FLDCT	ZZZZZ	00036	0.3425	2	5	16
	8	90	100	010H2	FLDCT	ZZZZZ	00037	0.3425	2	11	16
	6	90	100	010H2	FLDCT	ZZZZZ	00038	0.3425	2	7	16
	2	90	100	010H2	FLDCT	ZZZZZ	00039	0.3425	2	0	16
	0	90	100	010H2	FLDCT	ZZZZZ	00040	0.3425	2	-4	16
	1	90	100	010H2	FLDCT	ZZZZZ	00041	0.3425	2	-2	16
	3	90	100	010H2	FLDCT	ZZZZZ	00042	0.3425	2	1	16
	8	90	100	010H2	FLDCT	ZZZZZ	00043	0.3425	2	10	16
	4	90	100	010H2	FLDCT	ZZZZZ	00044	0.3425	2	3	16
	3	90	100	010H2	FLDCT	ZZZZZ	00045	0.3425	2	1	16
	0	90	100	01V01	FLDCT	ZZZZZ	00001	0.3425	2	-4	16
	4	90	100	01V01	FLDCT	ZZZZZ	00002	0.3425	2	3	16
	2	90	100	01V01	FLDCT	ZZZZZ	00003	0.3425	2	0	16
	6	90	100	01V01	FLDCT	ZZZZZ	00004	0.3425	2	7	16
	2	90	100	01V01	FLDCT	ZZZZZ	00005	0.3425	2	0	16
	2	90	100	020H1	FLDCT	ZZZZZ	00001	0.3425	2	0	16
	3	90	100	020H1	FLDCT	ZZZZZ	00002	0.3425	2	1	16
	7	90	100	020H1	FLDCT	ZZZZZ	00003	0.3425	2	9	16
	23	90	100	020H1	FLDCT	ZZZZZ	00004	0.3425	2	40	16
	0	90	100	020H1	FLDCT	ZZZZZ	00005	0.3425	2	-4	16
									# Measurements	85	
									Average	6	dpm/100cm2
									Maximum	40	dpm/100cm2
									STD DEV	8	dpm/100cm2
									95% CL on Mean	8	dpm/100cm2

FINAL SURVEY 01GH2 [Z] PIN 03

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			
[-PM	RPT-	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
	00	1	0	-0.10	-0.29		5	1.83	5.35		06-06-2001	10:24:06
0	0	2	2	1.23	3.53		3	0.13	0.38		06-06-2001	10:26:05
00	00	3	0	-0.10	-0.29		1	-0.83	-2.43		06-06-2001	10:28:04
004	00	4	0	-0.10	-0.29		7	3.17	9.25		06-06-2001	10:30:03
005	00	5	1	0.57	1.62		5	1.66	4.86		06-06-2001	10:32:02
006	00	6	0	-0.10	-0.29		5	1.83	5.35		06-06-2001	10:34:01
007	00	7	0	-0.10	-0.29		11	5.83	17.03		06-06-2001	10:36:00
008	00	8	3	1.90	5.43		2	-0.73	-2.14		06-06-2001	10:37:59

Performed By: _____ Date: 6-6-01

Reviewed By: _____ Date: 6/7/01

FINAL SURVEY 010H2 [Z] PIN 03

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			
[illegible]	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
[illegible]	00	9	0	-0.10	-0.29		11	5.83	17.03		06-06-2001	10:43:12
0	0	10	2	1.23	3.53		6	2.13	6.22		06-06-2001	10:45:10
011	00	11	0	-0.10	-0.29		5	1.83	5.35		06-06-2001	10:47:09
012	00	12	0	-0.10	-0.29		5	1.83	5.35		06-06-2001	10:49:08
013	00	13	1	0.57	1.62		3	0.33	0.97		06-06-2001	10:51:07
014	00	14	0	-0.10	-0.29		3	0.50	1.46		06-06-2001	10:53:06
015	00	15	1	0.57	1.62		5	1.66	4.86		06-06-2001	10:55:05
016	00	16	1	0.57	1.62		6	2.33	6.81		06-06-2001	10:57:04
017	00	17	0	-0.10	-0.29		5	1.83	5.35		06-06-2001	10:59:03
018	00	18	0	-0.10	-0.29		6	2.50	7.30		06-06-2001	11:01:02
019	00	19	4	2.57	7.34		14	7.07	20.63		06-06-2001	11:03:01
020	00	20	0	-0.10	-0.29		5	1.83	5.35		06-06-2001	11:05:00
021	00	21	0	-0.10	-0.29		6	2.50	7.30		06-06-2001	11:06:59
022	00	22	0	-0.10	-0.29		2	-0.17	-0.49		06-06-2001	11:08:58
023	00	23	0	-0.10	-0.29		11	5.83	17.03		06-06-2001	11:10:57
024	00	24	0	-0.10	-0.29		0	-1.50	-4.38		06-06-2001	11:12:56
025	00	25	1	0.57	1.62		4	1.00	2.91		06-06-2001	11:14:55
026	00	26	0	-0.10	-0.29		3	0.50	1.46		06-06-2001	11:16:54
027	00	27	0	-0.10	-0.29		5	1.83	5.35		06-06-2001	11:18:53
028	00	28	0	-0.10	-0.29		4	1.17	3.41		06-06-2001	11:20:52
029	00	29	2	1.23	3.53		0	-1.87	-5.45		06-06-2001	11:22:51
030	00	30	0	-0.10	-0.29		9	4.50	13.14		06-06-2001	11:24:51
031	00	31	0	-0.10	-0.29		5	1.83	5.35		06-06-2001	11:26:50
032	00	32	1	0.57	1.62		4	1.00	2.91		06-06-2001	11:28:49
033	00	33	0	-0.10	-0.29		8	3.83	11.19		06-06-2001	11:30:48
[illegible]	00	34	0	-0.10	-0.29		5	1.83	5.35		06-06-2001	11:32:47
[illegible]	00	35	0	-0.10	-0.29		3	0.50	1.46		06-06-2001	11:34:46
036	00	36	0	-0.10	-0.29		5	1.83	5.35		06-06-2001	11:36:45
037	00	37	1	0.57	1.62		8	3.66	10.70		06-06-2001	11:38:44
038	00	38	0	-0.10	-0.29		6	2.50	7.30		06-06-2001	11:40:43
039	00	39	0	-0.10	-0.29		2	-0.17	-0.49		06-06-2001	11:42:42
040	00	40	0	-0.10	-0.29		0	-1.50	-4.38		06-06-2001	11:44:41
041	00	41	0	-0.10	-0.29		1	-0.83	-2.43		06-06-2001	11:46:40
042	00	42	0	-0.10	-0.29		3	0.50	1.46		06-06-2001	11:48:39
043	00	43	2	1.23	3.53		8	3.47	10.12		06-06-2001	11:50:38
044	00	44	0	-0.10	-0.29		4	1.17	3.41		06-06-2001	11:52:37
045	00	45	0	-0.10	-0.29		3	0.50	1.46		06-06-2001	11:54:36

Performed By: _____ Date: 6/6/01

Reviewed By: _____ Date: 6/7/01

FINAL SURVEY 020H1 [Z] PIN 03

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					
	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
	00	1	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	08:17:24
002	00	2	1	0.57	1.62		3	0.33	0.97		06-07-2001	08:19:23
003	00	3	0	-0.10	-0.29		7	3.17	9.25		06-07-2001	08:21:22
004	00	4	0	-0.10	-0.29		23	13.83	40.39		06-07-2001	08:23:21
005	00	5	0	-0.10	-0.29		0	-1.50	-4.38		06-07-2001	08:25:20

Performed By: _____ Date: 6-7-01

Reviewed By: _____ Date: 6/7/01

FINAL SURVEY 01V01 [Z] PIN 03

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				
SM	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE - TIME
	00	1	0	-0.10	-0.29		0	-1.50	-4.38		06-07-2001 08:48:36
002	00	2	0	-0.10	-0.29		4	1.17	3.41		06-07-2001 08:50:36
003	00	3	1	0.57	1.62		2	-0.34	-0.98		06-07-2001 08:52:35
004	00	4	1	0.57	1.62		6	2.33	6.81		06-07-2001 08:54:34
005	00	5	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001 08:56:33

Performed By: _____ Date: 6-7-01

Reviewed By: _____ Date: 6/7/01

FINAL SURVEY 010H1 [Z] PIN 03

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					
PM	RPT	ID	COUNTS	NET CPM	DPM	LIMITS	COUNTS	NET CPM	DPM	LIMITS	DATE	TIME
	00	1	0	-0.10	-0.29		14	7.83	22.87		06-07-2001	09:01:26
002	00	2	0	-0.10	-0.29		9	4.50	13.14		06-07-2001	09:03:26
003	00	3	2	1.23	3.53		11	5.47	15.96		06-07-2001	09:05:25
004	00	4	0	-0.10	-0.29		12	6.50	18.98		06-07-2001	09:07:24
005	00	5	0	-0.10	-0.29		4	1.17	3.41		06-07-2001	09:09:23
006	00	6	0	-0.10	-0.29		4	1.17	3.41		06-07-2001	09:11:22
007	00	7	0	-0.10	-0.29		1	-0.83	-2.43		06-07-2001	09:13:21
008	00	8	0	-0.10	-0.29		6	2.50	7.30		06-07-2001	09:15:20
009	00	9	0	-0.10	-0.29		8	3.83	11.19		06-07-2001	09:17:19
010	00	10	1	0.57	1.62		9	4.33	12.64		06-07-2001	09:19:18
011	00	11	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	09:21:17
012	00	12	0	-0.10	-0.29		0	-1.50	-4.38		06-07-2001	09:23:16
013	00	13	0	-0.10	-0.29		5	1.83	5.35		06-07-2001	09:25:15
014	00	14	0	-0.10	-0.29		12	6.50	18.98		06-07-2001	09:27:14
015	00	15	0	-0.10	-0.29		12	6.50	18.98		06-07-2001	09:29:13
016	00	16	1	0.57	1.62		0	-1.67	-4.87		06-07-2001	09:31:12
017	00	17	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	09:33:11
018	00	18	0	-0.10	-0.29		12	6.50	18.98		06-07-2001	09:35:10
019	00	19	0	-0.10	-0.29		5	1.83	5.35		06-07-2001	09:37:09
020	00	20	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	09:39:08
021	00	21	0	-0.10	-0.29		11	5.83	17.03		06-07-2001	09:41:07
022	00	22	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	09:43:06
023	00	23	0	-0.10	-0.29		13	7.17	20.92		06-07-2001	09:45:05
024	00	24	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	09:47:04
025	00	25	0	-0.10	-0.29		4	1.17	3.41		06-07-2001	09:49:03
	00	26	0	-0.10	-0.29		3	0.50	1.46		06-07-2001	09:51:02
	00	27	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	09:53:01
028	00	28	0	-0.10	-0.29		2	-0.17	-0.49		06-07-2001	09:55:00
029	00	29	1	0.57	1.62		9	4.33	12.64		06-07-2001	09:56:59
030	00	30	1	0.57	1.62		2	-0.34	-0.98		06-07-2001	09:58:58

Performed By: _____ Date: 6-7-01

Reviewed By: _____ Date: 6-7-01

Section 5

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

H-3 Removable Beta Contamination Summary Data Table PKG 3.xls

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	01OH1	ZZZZZ	00001	8.305%	0.00	409	409	33
2	23	60	100	01OH1	ZZZZZ	00003	7.267%	0.00	316	316	37
3	39	60	100	01OH1	ZZZZZ	00005	18.140%	0.00	215	215	15
4	27	60	100	01OH1	ZZZZZ	00011	34.960%	0.00	77	77	8
5	39	60	100	01OH1	ZZZZZ	00013	30.810%	0.00	127	127	9
6	47	60	100	01OH1	ZZZZZ	00016	32.850%	0.00	143	143	8
7	36	60	100	01OH1	ZZZZZ	00018	32.560%	0.00	111	111	8
8	28	60	100	01OH1	ZZZZZ	00020	33.750%	0.00	83	83	8
9	43	60	100	01OH1	ZZZZZ	00023	30.810%	0.00	140	140	9
10	32	60	100	01OH1	ZZZZZ	00029	31.970%	0.00	100	100	8
11	34	60	100	01OH2	ZZZZZ	00005	29.680%	0.00	115	115	9
12	30	60	100	01OH2	ZZZZZ	00009	33.150%	0.00	90	90	8
13	53	60	100	01OH2	ZZZZZ	00013	34.350%	0.00	154	154	8
14	37	60	100	01OH2	ZZZZZ	00016	29.960%	0.00	123	123	9
15	49	60	100	01OH2	ZZZZZ	00020	37.130%	0.00	132	132	7
16	33	60	100	01OH2	ZZZZZ	00028	32.850%	0.00	100	100	8
17	55	60	100	01OH2	ZZZZZ	00032	34.350%	0.00	160	160	8
18	43	60	100	01OH2	ZZZZZ	00035	39.360%	0.00	109	109	7
19	40	60	100	01OH2	ZZZZZ	00037	39.360%	0.00	102	102	7
20	43	60	100	01OH2	ZZZZZ	00041	39.680%	0.00	108	108	7
21	48	60	100	01EQ1	ZZZZZ	00001	17.940%	0.00	268	268	15
22	78	60	100	01EQ1	ZZZZZ	00003	10.560%	0.00	739	739	26
23	58	60	100	01EQ1	ZZZZZ	00005	7.716%	0.00	752	752	35
24	54	60	100	01EQ1	ZZZZZ	00007	8.928%	0.00	605	605	30
25	49	60	100	01EQ1	ZZZZZ	00009	12.080%	0.00	406	406	22
26	55	60	100	01EQ1	ZZZZZ	00013	14.810%	0.00	371	371	18
27	23	60	100	01EQ1	ZZZZZ	00023	22.400%	0.00	103	103	12
28	35	60	100	01EQ1	ZZZZZ	00025	25.120%	0.00	139	139	11
29	20	60	100	01EQ1	ZZZZZ	00027	28.020%	0.00	71	71	10
30	33	60	100	01EQ1	ZZZZZ	00029	7.716%	0.00	428	428	35
31	41	60	100	02OH1	ZZZZZ	00001	29.400%	0.00	139	139	9
32	32	60	100	02OH1	ZZZZZ	00003	30.530%	0.00	105	105	9
33	25	60	100	01V01	ZZZZZ	00004	8.550%	0.00	292	292	32
34	29	60	100	01V02	ZZZZZ	00003	13.570%	0.00	214	214	20
35	29	60	100	01V02	ZZZZZ	00005	11.000%	0.00	264	264	25
									# Measurements	35	

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 ($dpm/100cm^2$)
									Average	223	
									Maximum	752	
									STD DEV	178	
									95% CL on Mean	291	

```
USER: 1 ID:SMEARS        PRESET TIME:  1.00              THU 28 JUN 2001 16:17
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 SUN 24 JUN 2001 16:19
UNKNOWN ID:SMEARS                    UNKNOWN REPLICATES: 1
UNKNOWN NORM FACTOR:@ 1.00000        UNKNOWN UNITS:DPM
QUENCH MODE:H  CALCULATE COEFF:N  HALF LIFE(DAYS):N
QUENCH COEFF A:  4.3285590  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  8- 1  1      34.00  34.30  1.00      1.30 239.0
           2      83.00  21.95
           3     107.00  19.33
                                %EFF:8.305 ISO1 DPM  :409.3736
  2  8- 2  1      23.00  41.70  1.00      2.78 248.0
           2      67.00  24.43
           3      80.00  22.36
                                %EFF:7.267 ISO1 DPM  :316.4966
     8- 3  1      39.00  32.03  1.00      4.27 179.0
           2      76.00  22.94
           3      94.00  20.63
                                %EFF:18.14 ISO1 DPM  :214.9485
  4  8- 4  1      27.00  38.49  1.00      5.74 114.0
           2      64.00  25.00
           3      88.00  21.32
                                %EFF:34.96 ISO1 DPM  :77.23734
  5  8- 5  1      39.00  32.03  1.00      7.22 128.0
           2      62.00  25.40
           3      93.00  20.74
                                %EFF:30.81 ISO1 DPM  :126.5675
  6  8- 6  1      47.00  29.17  1.00      8.71 121.0
           2      79.00  22.50
           3     118.00  18.41
                                %EFF:32.85 ISO1 DPM  :143.0650
  7  8- 7  1      36.00  33.33  1.00     10.19 122.0
           2      62.00  25.40
           3      92.00  20.85
                                %EFF:32.56 ISO1 DPM  :110.5760
  8  8- 8  1      28.00  37.80  1.00     11.68 118.0
           2      63.00  25.20
           3      97.00  20.31
                                %EFF:33.75 ISO1 DPM  :82.97194
  9  8- 9  1      43.00  30.50  1.00     13.16 128.0
           2      70.00  23.90
           3      97.00  20.31
                                %EFF:30.81 ISO1 DPM  :139.5488
```

Performed By: _____ Date: 6-28-01

Reviewed By: _____ Date: 6/29/01

SAM	POS	CH	CPM	2SIG%	TIME	EL TIME	AVG H#	ERR
10	8-10	1	32.00	35.36	1.00	14.64	124.0	
		2	62.00	25.40				
		3	97.00	20.31				
					%EFF:31.97	ISO1 DPM	:100.0931	
11	8-11	1	34.00	34.30	1.00	16.12	132.0	
		2	79.00	22.50				
		3	103.00	19.71				
					%EFF:29.68	ISO1 DPM	:114.5566	
12	8-12	1	30.00	36.51	1.00	17.60	120.0	
		2	57.00	26.49				
		3	96.00	20.41				
					%EFF:33.15	ISO1 DPM	:90.50085	
13	8- 1	1	53.00	27.47	1.00	19.13	116.0	
		2	76.00	22.94				
		3	109.00	19.16				
					%EFF:34.35	ISO1 DPM	:154.2978	
14	8- 2	1	37.00	32.88	1.00	20.62	131.0	
		2	76.00	22.94				
		3	105.00	19.52				
					%EFF:29.96	ISO1 DPM	:123.4939	
15	8- 3	1	49.00	28.57	1.00	22.11	107.0	
		2	77.00	22.79				
		3	102.00	19.80				
					%EFF:37.13	ISO1 DPM	:131.9833	
	8- 4	1	33.00	34.82	1.00	23.59	121.0	
		2	59.00	26.04				
		3	77.00	22.79				
					%EFF:32.85	ISO1 DPM	:100.4499	
17	8- 5	1	55.00	26.97	1.00	25.07	116.0	
		2	85.00	21.69				
		3	108.00	19.25				
					%EFF:34.35	ISO1 DPM	:160.1204	
18	8- 6	1	43.00	30.50	1.00	26.56	100.0	
		2	77.00	22.79				
		3	103.00	19.71				
					%EFF:39.36	ISO1 DPM	:109.2582	
19	8- 7	1	40.00	31.62	1.00	28.03	100.0	
		2	67.00	24.43				
		3	100.00	20.00				
					%EFF:39.36	ISO1 DPM	:101.6356	
20	8- 8	1	43.00	30.50	1.00	29.52	99.0	
		2	68.00	24.25				
		3	102.00	19.80				
					%EFF:39.68	ISO1 DPM	:108.3675	
21	8- 9	1	48.00	28.87	1.00	31.00	180.0	
		2	75.00	23.09				
		3	102.00	19.80				
					%EFF:17.94	ISO1 DPM	:267.6252	
22	8-10	1	78.00	22.65	1.00	32.47	222.0	
		2	117.00	18.49				
		3	132.00	17.41				
					%EFF:10.56	ISO1 DPM	:738.5797	

Performed By: _____ Date: 6-28-01

Reviewed By: _____ Date: 6/29/01

SAM	POS	CH	CPM	2SIG%	TIME	EL TIME	AVG H#	ERR
23	B-11	1	58.00	26.26	1.00	33.95	244.0	
		2	96.00	20.41				
		3	109.00	19.16				
					%EFF:7.716	ISO1 DPM	:751.7136	
24	B-12	1	54.00	27.22	1.00	35.43	234.0	
		2	92.00	20.85				
		3	107.00	19.33				
					%EFF:8.928	ISO1 DPM	:604.8443	
25	3- 1	1	49.00	28.57	1.00	36.97	212.0	
		2	88.00	21.32				
		3	104.00	19.41				
					%EFF:12.08	ISO1 DPM	:405.7210	
26	3- 2	1	55.00	26.97	1.00	38.45	196.0	
		2	112.00	18.90				
		3	136.00	17.15				
					%EFF:14.81	ISO1 DPM	:371.3463	
27	3- 3	1	23.00	41.70	1.00	39.93	160.0	
		2	58.00	26.26				
		3	81.00	22.22				
					%EFF:22.40	ISO1 DPM	:102.6764	
28	3- 4	1	38.00	33.81	1.00	41.41	149.0	
		2	70.00	23.90				
		3	89.00	21.20				
					%EFF:25.12	ISO1 DPM	:139.3320	
	3- 5	1	20.00	44.72	1.00	42.88	138.0	
		2	48.00	28.87				
		3	76.00	22.94				
					%EFF:28.02	ISO1 DPM	:71.37333	
30	3- 6	1	33.00	34.82	1.00	44.37	244.0	
		2	79.00	22.50				
		3	90.00	21.08				
					%EFF:7.716	ISO1 DPM	:427.6991	
31	3- 7	1	41.00	31.23	1.00	46.17	133.0	
		2	69.00	24.08				
		3	91.00	20.97				
					%EFF:29.40	ISO1 DPM	:139.4571	
32	3- 8	1	32.00	35.36	1.00	47.65	129.0	
		2	66.00	24.62				
		3	89.00	21.20				
					%EFF:30.53	ISO1 DPM	:104.8213	
33	3- 9	1	25.00	40.00	1.00	49.12	237.0	
		2	57.00	26.49				
		3	71.00	23.74				
					%EFF:8.550	ISO1 DPM	:292.3841	
34	3-10	1	29.00	37.14	1.00	50.60	203.0	
		2	72.00	23.57				
		3	90.00	21.08				
					%EFF:13.57	ISO1 DPM	:213.7459	
35	3-11	1	29.00	37.14	1.00	52.08	219.0	
		2	56.00	26.73				
		3	77.00	24.08				
					%EFF:11.00	ISO1 DPM	:263.6235	

Performed By: _____ Date: 6-28-01

Reviewed By: _____ Date: 6/29/01

Georgia Institute of Technology
Research Reactor

Final Survey Package 4

Reactor Building 1st Floor Below 2 Meters

TABLE OF CONTENTS

Section 1

Survey Package 4 Worksheet for the 1st Floor Below 2 Meters

Duratek Inc.
Survey Package Worksheet for 1st Floor Below 2 Meters
Georgia Institute of Technology Research Reactor

Package Identification No.: **04**	Prepared by: Paul Jones
Location: 1st Floor Below 2 Meters	Date prepared: 02/17/2001 Revised: 06/25/01
Area Classification: Suspect Affected	

Area Description

The survey area consists of the entire 1st floor and all wall surfaces below 2 meters on this elevation. This includes the main floor, biomedical room, and the plug storage vault.

Historical Information

Decontamination was performed on ~40% of the main floor.

The biomedical room was originally built for patient radiation treatments and animal experiments. The floor of the biomedical room contained asbestos floor tiles. The asbestos floor tiles were removed in January 2001.

No decontamination was required on the floor of the plug storage vault.

No decontamination was performed on the walls of the 1st floor.

General Survey Instructions

Floor and lower walls of the 1st 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 measurement for each 1 m^2.
4) Obtain 1 smear for removable beta and alpha contamination for each 1 m^2 of area.
5) Obtain 1 exposure rate measurement at 1 meter above the floor at each corresponding direct beta measurement location.
6) Obtain required smears for H-3 analysis (See special Instructions for the minimum number of smears required). Denote location of all smears on map.

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

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

Special Instructions

Source check meters to Tc-99 for beta measurements.

Use gas flow proportional detector model numbers 43-68 and 43-106 for general surveys.

Use GM detector model number 44-40 for surveys on rough concrete, e.g. Trench 6 (reactor vessel pedestal).

Use gas flow proportional detector model number 43-98 for drain line 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 Ground Floor General Area										
A0304	01F01	B0001	A - AA	1 thru 459	Floor	wmβ 6-26-01 35K 6-26-01 R&2 6-27-01	(459) DD 7-2-01	(459) wmβ 6-29-01	(459) DD 7-2-01	(15) DD 7-2-01
A0304	01W01	B0001	A thru B	1 thru 86	Wall 1 (grids 48-50 missing)	wmβ 6-26-01	(172) 35K 6-26-01 (166)	N/A	(172) (166) 6-26-01	(4) 35K 6-26-01
A0304	01W02	B0001	A thru B	1 thru 5	Wall 2	wmβ 6-26-01	(10) 35K 6-26-01	N/A	(10) wmβ 6-26-01	(2) 35K 6-26-01
A0304	01W03	B9999	A thru B	1 thru 5	Wall 3 (Grid A-3 missing)	wmβ 6-26-01	(9) 35K 6-26-01	N/A	(9) wmβ 6-26-01	(2) 35K 6-26-01
A0304	01W04	B0001	A thru B	1 thru 5	Wall 4	wmβ 6-26-01	(10) 35K 6-26-01	N/A	(10) wmβ 6-26-01	(2) 35K 6-26-01
A0304	01W05	B0001	A thru B	1 thru 4	Wall 5	wmβ 6-26-01	(8) 35K 6-26-01	N/A	(8) wmβ 6-26-01	(2) 35K 6-26-01

Survey performance (Initial a… …s 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						
A0304	01T08	B9999	ZZZZZ	1 thru 5	Trench 8	R&2 7-25-01	(5) R&2 7-25-01	N/A	(5) R&2 7-25-01	(2) R&2 7-25-01
Georgia Tech Research Reactor Ground Floor Biomedical Room										
A0304	02F01	B0002	A thru C	1 thru 4	Floor 1	DS 6-26-01	(12) DS 6-26-01	(12) WMB 7-10-01	(12) DS 6-26-01	(4) 6-26-01
A0304	02W01	B9999	A thru B	1 thru 3	Wall 1	DS 6-26-01	(6) DS 6-26-01	N/A	(6) DS 6-26-01	(2) 6-26-01
A0304	02W02	B9999	A thru B	1 thru 4	Wall 2	DS 6-26-01	(8) DS 6-26-01	N/A	(8) DS 6-26-01	(3) 6-26-01
A0304	02W03	B9999	A thru B	1 & 3	Wall 3 (grid # 2 is missing)	DS 6-26-01	(4) DS 6-26-01	N/A	(4) DS 6-26-01	(2) 6-26-01
A0304	02W04	B9999	A thru B	1 thru 4	Wall 4	DS 6-26-01	(8) DS 6-26-01	N/A	(8) DS 6-26-01	(2) 6-26-01
A0304	02OH1	B9999	ZZZZZ	1 thru ~~8~~ 10 DS 6-26-01	Overhead (>2 meters)	DS 6-26-01	(5) DS 6-26-01	N/A	~~(5) 7.0~~ DS 6-26-01	(2) 6-26-01
A0304	02D01	B9999	ZZZZZ	1	Drain 1	DS 6-26-01	(1) DS 6-26-01	N/A	(1) DS 6-26-01	(1) 6-26-01
Georgia Tech Research Reactor Ground Floor Plug Storage Vault										
A0304	03F01	B9999	A thru C	A 1thru 4 B&C 1-5	Floor 1	DS 6-26-01	(14) DS 6-26-01	N/A	(14) DS 6-26-01	(2) 7-20-01
A0304	03W01	B9999	Athru B	1 thru 10	Wall 1 (wall was wrapped)	DS 6-26-01	(20) DS 6-26-01	N/A	(20) DS 6-26-01	(2) 7-20-01
A0304	030H1	B9999	ZZZZZ	1 thru 5	Ceiling (not above 2 meters)	DS 6-26-01	(5) DS 6-26-01	N/A	(5) DS 6-26-01	(1) 7-20-01
N	A									

~~BSK~~ 7/19/01

Survey performance (Initial au... 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						
A0304	01S01	B9999	ZZZZZ	1 thru 30	Stairwell from 2nd floor to basement	~~BSK~~ 6-26-01	(30) ~~BSK~~ 6-26-01	N/A	(30) WMB 6-26-01	(2) BSK 6-26-01
A0304	01EQ1	B9999	ZZZZZ	1 thru 5	Heater 1	~~BSK~~ 6-26-01	(5) ~~BSK~~ 6-26-01	N/A	(5) ~~6-26-01~~ DA	N/A
A0304	01EQ2	B9999	ZZZZZ	1 thru 5	Heater 2	~~BSK~~ 6-26-01	(5) BSK 6-26-01	N/A	(5) ~~DA~~ 6-26-01	N/A
A0304	01EQ3	B9999	ZZZZZ	1 thru 5	Heater 3	~~BSK~~ 6-26-01	(5) BSK 6-26-01	N/A	(5) ~~DA~~ 6-26-01	N/A
A0304	01EQ4	B9999	ZZZZZ	1 thru 5	Heater 4	~~BSK~~ 6-26-01	(5) ~~BSK~~ 6-26-01	N/A	(5) ~~DA~~ 6-26-01	N/A
A0304	01T01	B9999	ZZZZZ	1thru 5	Trench 1	RAL 6-27-01	(5) ~~BSK~~ 6-26-01	N/A	(5) RAL 6-27-01	(1) BSK 6-26-01
A0304	01T02	B9999	ZZZZZ	1 thru 5	Trench 2	WMB 6-26-01	(5) BSK 6-26-01	N/A	(5) RAL 6-27-01	(1) BSK 6-26-01
A0304	01T03	B9999	ZZZZZ	1 thru 5	Trench 3	WMB 6-26-01	(5) BSK 6-26-01	N/A	(5) RAL 6-27-01	(1) BSK 6-26-01
A0304	01T04	B0002	ZZZZZ	1 thru 5	Trench 4	WMB 6-26-01	(5) BSK 6-26-01	N/A	(5) RAL 6-27-01	(1) BSK 6-26-01
A0304	01T05	B9999	ZZZZZ	1 thru 5	Trench 5 (under equip hatch door)	~~BSK~~ 6-26-01 RAL 6-27-01	(5) RAL 6-27-01	N/A	(5) RAL 6-27-01	(1) BSK 6-26-01
A0304	01T06	B0002	ZZZZZ	1 thru 30	Trench 6 (area where Rx used to be)	RAL 6-27-01	(30) RAL 6-27-01	~~DA~~ 07/19/01 BS RAL 7/25/01	(30) RAL 6-27-01	(5) BSK 6-26-01
A0304	01P01	B9999	ZZZZZ	1 thru 10	Pipe 1 (Fuel storage pit)	RAL 6-27-01	(10) ~~BSK~~ 6-26-01	N/A	(10) RAL 6-27-01	(2) BSK 6-26-01
A0304	01P02	B9999	ZZZZZ	1 thru 5	Pipe 2 (Pressure relief valve)	WMB 6-26-01	(5) RAL 6-27-01	N/A	(5) RAL 6-27-01	(1) BSK 6-26-01
A0304	01P03	B9999	ZZZZZ	1 thru 5	Pipe 3 (Pressure relief valve)	WMB 6-26-01	(5) RAL 6-27-01	N/A	(5) RAL 6-27-01	(1) BSK 6-26-01 OK P. Jones 6/26/01
A0304	01V01	B9999	ZZZZZ	1 thru 15	Vent Duct	DA 6-26-01	(15) ~~BSK~~ 6-26-01	N/A	(15) WMB 6-26-01	~~(2)~~ (2) BSK 6-26-01
A0304	01EQ5	B9999	ZZZZZ	1 thru 14	Inside Elevator	~~DA~~ 7-17-01	(14) ~~DA~~ 7-17-01	N/A 7-19-01	(14) RAL 7-25-01	(2) RAL 7-25-01
A0304	01S02	B9999	ZZZZZ	1 thru 40	Personnel (secondary) Airlock	WMB 7-19-01	(40) 42 WMB 7-19-01	~~(9)~~	(40) 42 WMB 7-19-01	(2) WMB 7-19-01
A0304	01S03	B9999	ZZZZZ	1 thru 60	Airlock to lab building	WMB 7-19-01	(60) 65 WMB 7-19-01	(15) RAL 7-25-01	(60) 65 WMB 7-19-01	(2) WMB 7-19-01
A0304	01T07	B9999	ZZZZZ	1 thru 5	Trench ~~5~~ 7 ~~7~~ 7/17/01	RAL 7-25-01	(5) RAL 7-25-01	N/A	(5) RAL 7-25-01	(2) RAL 7-25-01

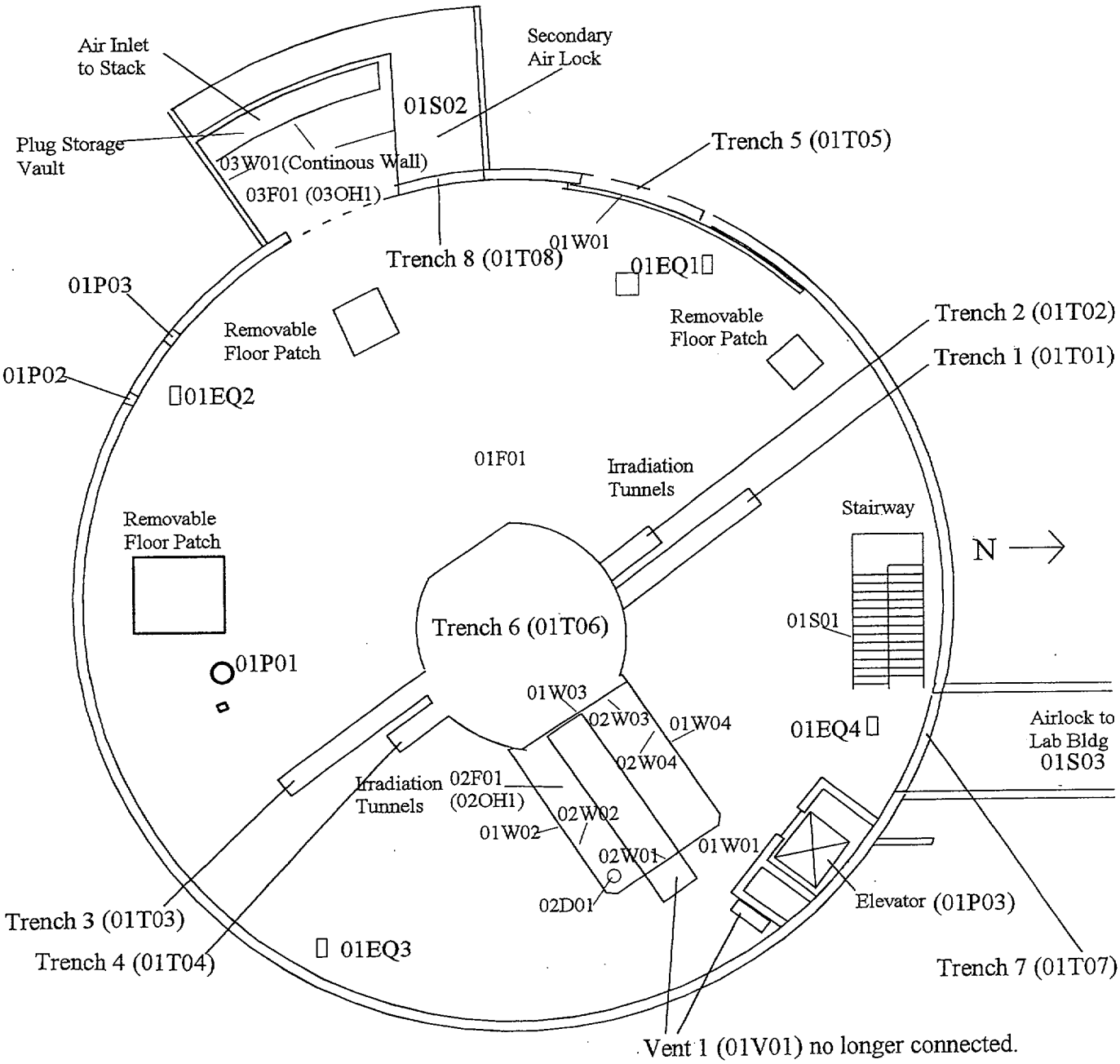
Package Review	
Date Package Completed	5/23/02
Package Reviewed by and Date	Paul A. Jones 5/23/02

Survey Comments
* Grid B-9 Required Decontamination after initial smear. Decon. performed and resurveyed surrounding B & A grids were within acceptable limits. Grids C8, C9 and C10 added due to reclassification of area surrounding grid B-9.
* One elevated exposure rate measurement (01503, #9) required investigation. After performance of the investigative survey (see file #239), this elevated measurement can be attributed to the proximity to the Neely Building Hot Cell and storage vault areas.

Section 2

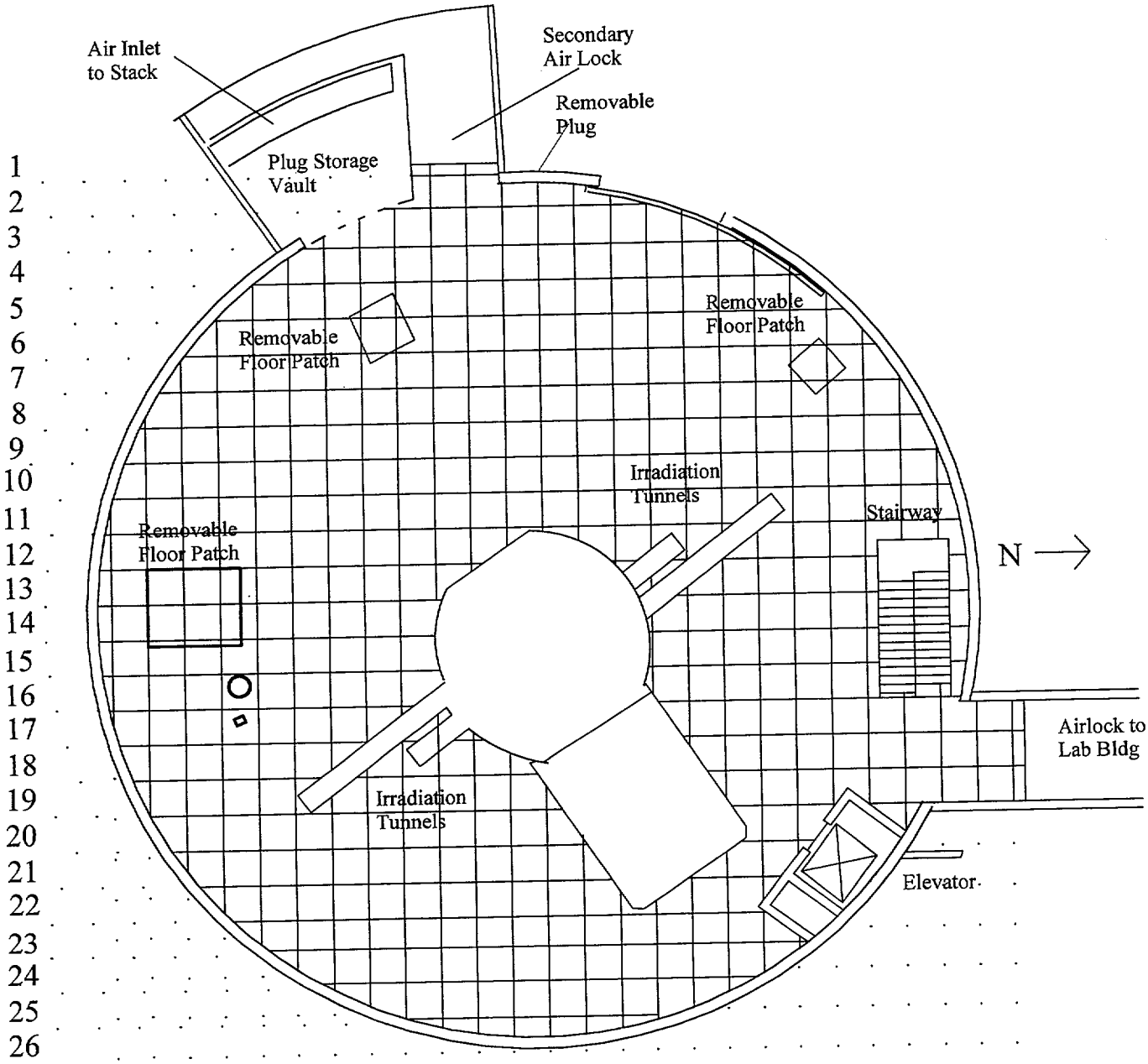
Package 4
Georgia Tech Research Reactor 1st Floor Drawings

REACTOR BUILDING 1ST FLOOR BELOW 2 METERS



GEORGIA TECH RESEARCH REACTOR 1ST FLOOR PACKAGE 4

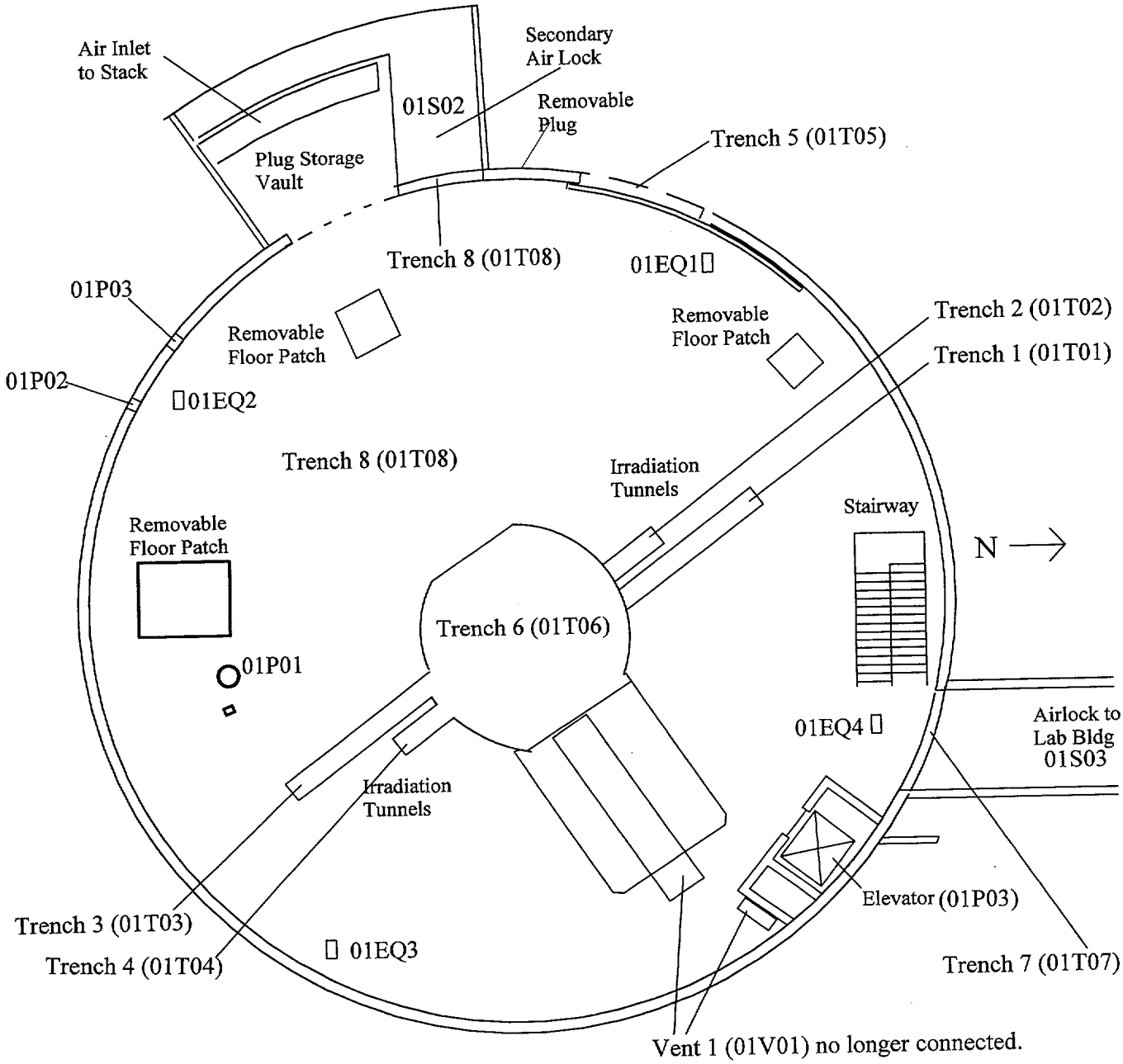
Floor Grid Locations (01F01)



☐ - Denotes 1 Meter Grid

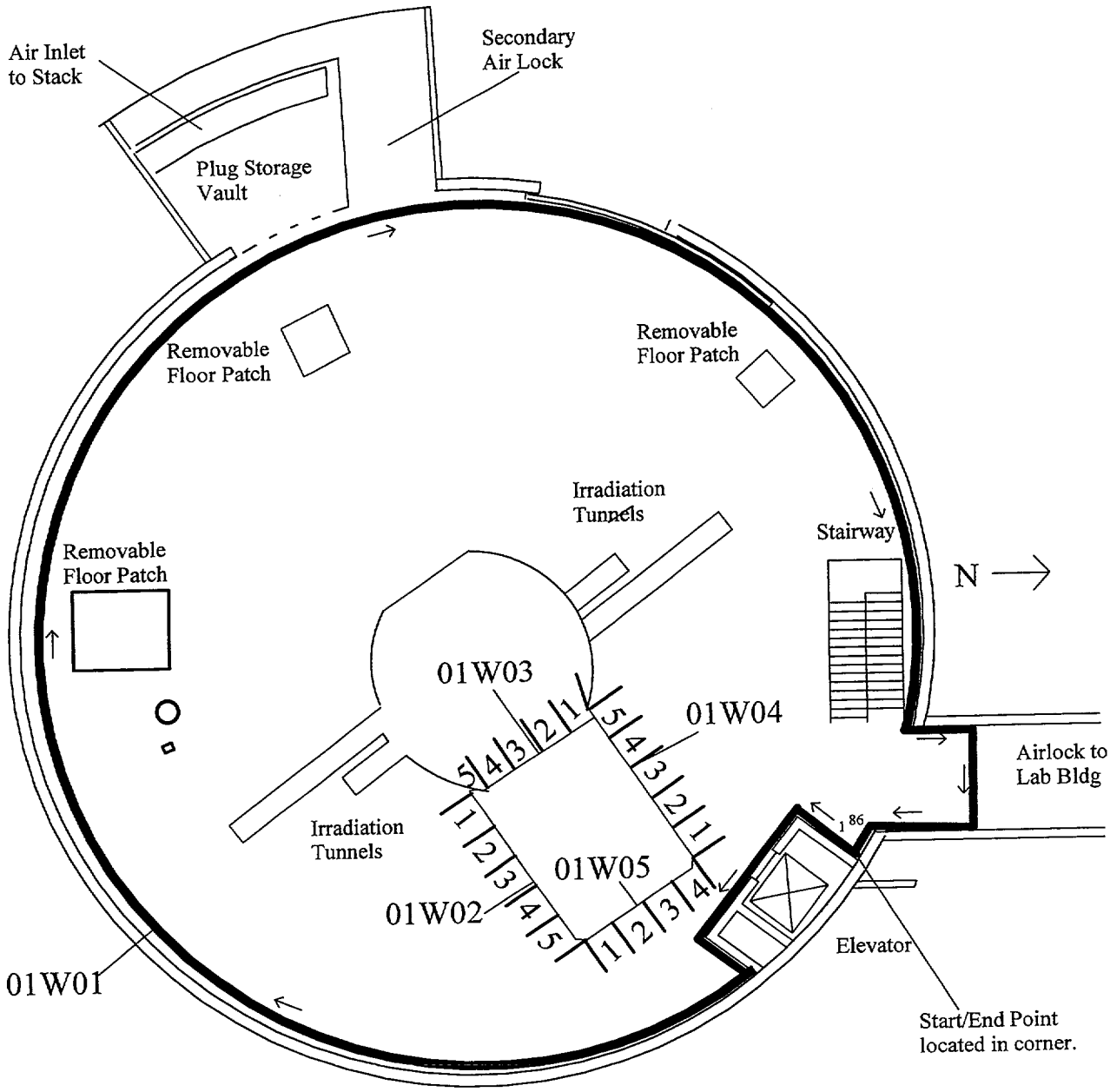
GEORGIA TECH RESEARCH REACTOR 1ST FLOOR PACKAGE 4

Trenches, Structures, Penetrations, and Equipment Locations



GEORGIA TECH RESEARCH REACTOR 1ST FLOOR PACKAGE 4

Wall Grid Pattern

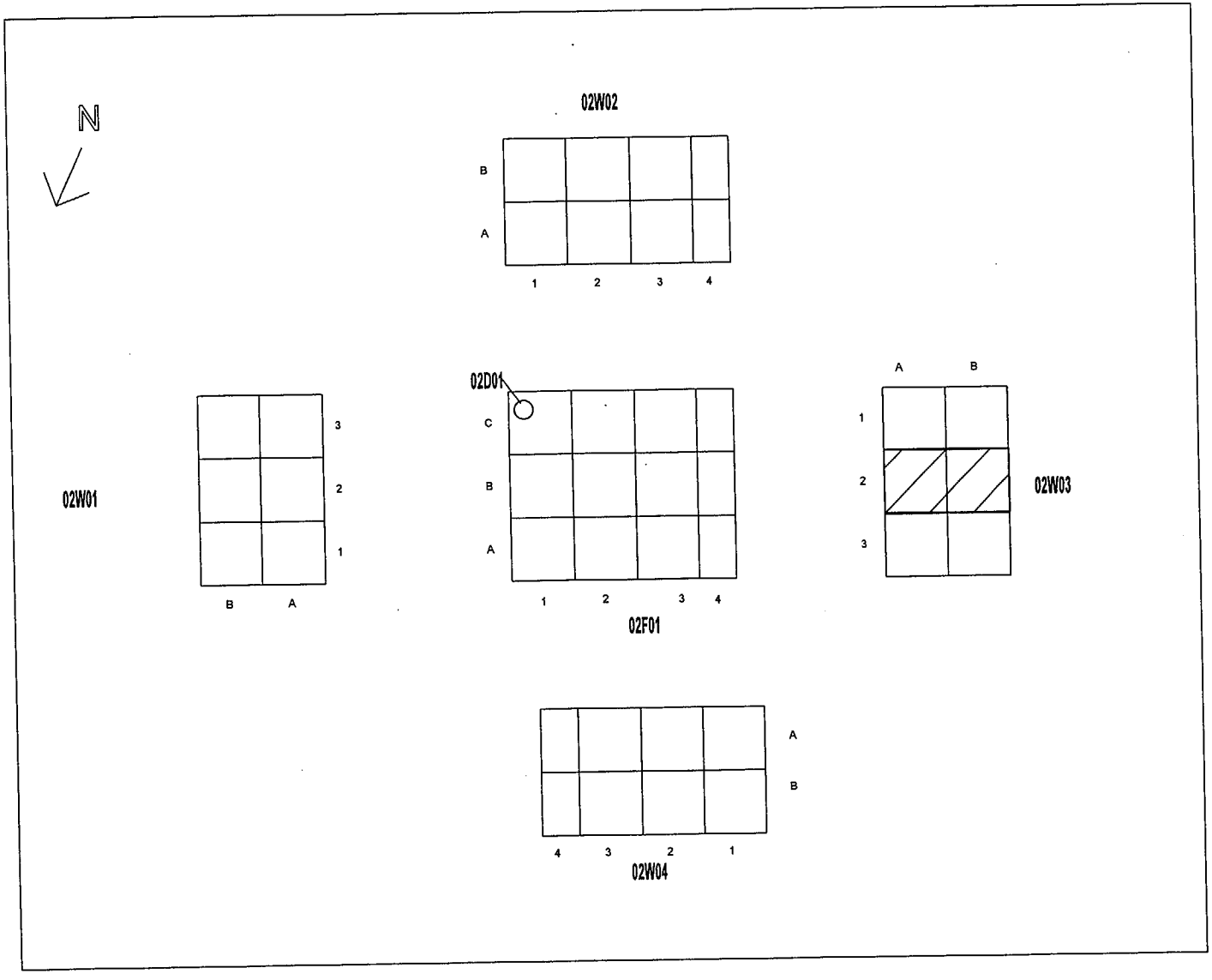


Denotes Outer Wall Path

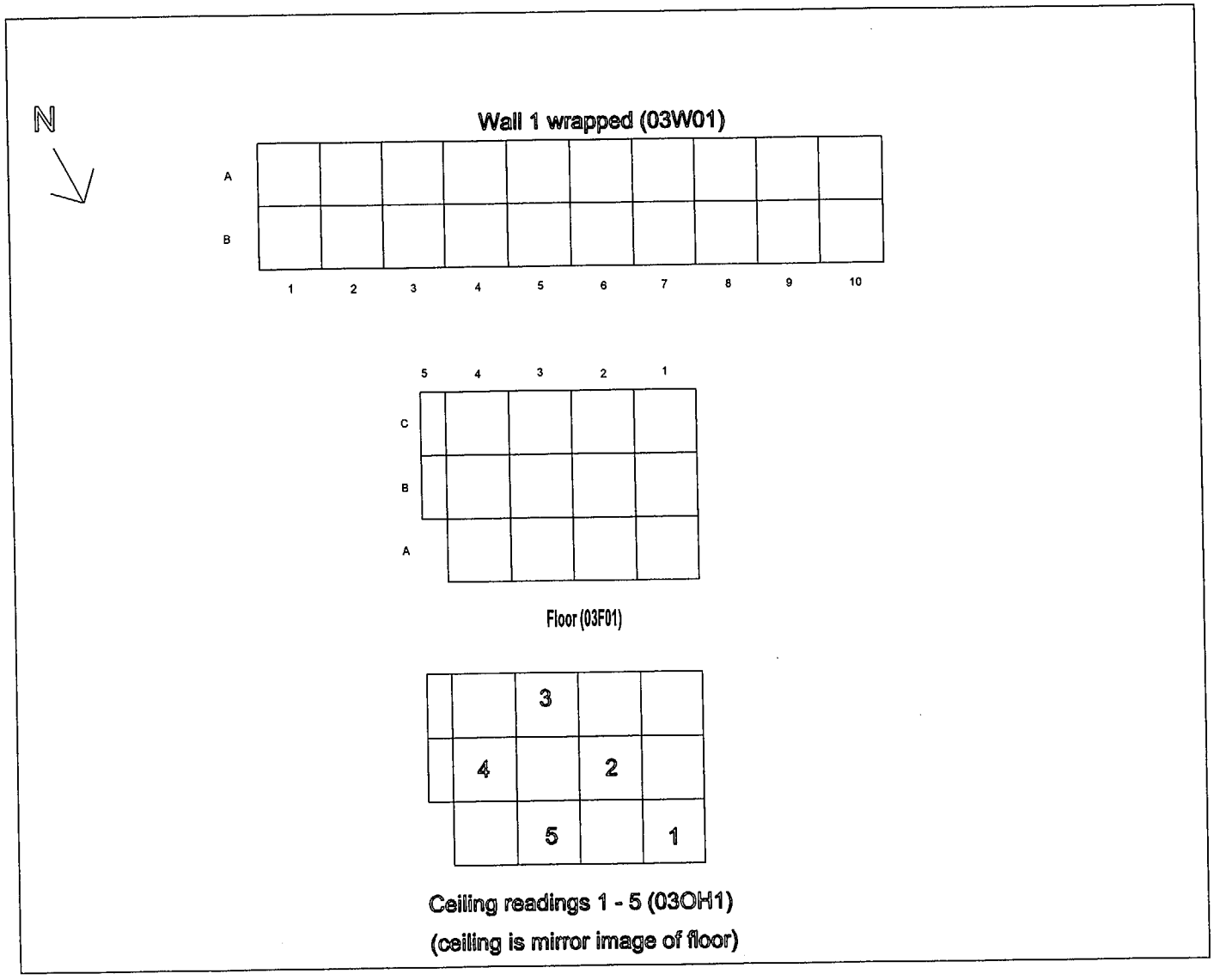
Row A proceeds from floor to 1 meter high and row B proceeds from 1 meter to 2 meters high.

Row C proceeds from 2 meters to 3 meters above floor. Row C contains only 3 grid locations 01W01 (C8, C9, and C10).

BIO-MEDICAL ROOM GRID MAP PACKAGE 04



PLUG STORAGE VAULT GRID MAP PACKAGE 04



Section 3

Package 4
Direct Beta Survey Report for the 1st Floor Affected Areas (including download reports)

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	196	5	198	20	B0001	126	01F01	FLDCT	A	00012	0.21	494	378	346	32	560
	196	6	222	20	B0001	126	01F01	FLDCT	A	00013	0.21	494	650	346	304	560
	196	7	184	20	B0001	126	01F01	FLDCT	A	00014	0.21	494	219	346	-127	560
	196	8	241	20	B0001	126	01F01	FLDCT	A	00015	0.21	494	865	346	519	560
	196	9	241	20	B0001	126	01F01	FLDCT	A	00016	0.21	494	865	346	519	560
	196	10	233	20	B0001	126	01F01	FLDCT	B	00009	0.21	494	775	346	429	560
	196	11	181	20	B0001	126	01F01	FLDCT	B	00010	0.21	494	185	346	-161	560
	196	12	203	20	B0001	126	01F01	FLDCT	B	00011	0.21	494	435	346	89	560
	196	13	195	20	B0001	126	01F01	FLDCT	B	00012	0.21	494	344	346	-2	560
	196	14	219	20	B0001	126	01F01	FLDCT	B	00013	0.21	494	616	346	270	560
	196	15	223	20	B0001	126	01F01	FLDCT	B	00014	0.21	494	661	346	315	560
	196	16	215	20	B0001	126	01F01	FLDCT	B	00015	0.21	494	571	346	225	560
	196	17	233	20	B0001	126	01F01	FLDCT	B	00016	0.21	494	775	346	429	560
	196	18	258	20	B0001	126	01F01	FLDCT	B	00017	0.21	494	1058	346	712	560
	196	19	234	20	B0001	126	01F01	FLDCT	B	00018	0.21	494	786	346	440	560
	196	20	208	20	B0001	126	01F01	FLDCT	B	00019	0.21	494	491	346	145	560
	196	21	210	20	B0001	126	01F01	FLDCT	C	00007	0.21	494	514	346	168	560
	196	22	194	20	B0001	126	01F01	FLDCT	C	00008	0.21	494	333	346	-13	560
	196	23	216	20	B0001	126	01F01	FLDCT	C	00009	0.21	494	582	346	236	560
	196	24	208	20	B0001	126	01F01	FLDCT	C	00010	0.21	494	491	346	145	560
	196	25	254	20	B0001	126	01F01	FLDCT	C	00011	0.21	494	1013	346	667	560
	196	26	220	20	B0001	126	01F01	FLDCT	C	00012	0.21	494	627	346	281	560
	196	27	125	20	B0001	126	01F01	FLDCT	C	00013	0.21	494	-450	346	-796	560
	196	28	136	20	B0001	126	01F01	FLDCT	C	00014	0.21	494	-325	346	-671	560
	196	29	233	20	B0001	126	01F01	FLDCT	C	00015	0.21	494	775	346	429	560
	196	30	198	20	B0001	126	01F01	FLDCT	C	00016	0.21	494	378	346	32	560
	196	31	214	20	B0001	126	01F01	FLDCT	C	00017	0.21	494	559	346	213	560
	196	32	219	20	B0001	126	01F01	FLDCT	C	00018	0.21	494	616	346	270	560
	196	33	203	20	B0001	126	01F01	FLDCT	C	00019	0.21	494	435	346	89	560
	196	34	190	20	B0001	126	01F01	FLDCT	C	00020	0.21	494	287	346	-59	560
	196	35	179	20	B0001	126	01F01	FLDCT	C	00021	0.21	494	163	346	-183	560
	196	36	176	20	B0001	126	01F01	FLDCT	D	00006	0.21	494	128	346	-218	560
	196	37	209	20	B0001	126	01F01	FLDCT	D	00007	0.21	494	503	346	157	560
	196	38	256	20	B0001	126	01F01	FLDCT	D	00008	0.21	494	1036	346	690	560
	196	39	237	20	B0001	126	01F01	FLDCT	D	00009	0.21	494	820	346	474	560
	196	40	205	20	B0001	126	01F01	FLDCT	D	00010	0.21	494	457	346	111	560
	196	41	236	20	B0001	126	01F01	FLDCT	D	00011	0.21	494	809	346	463	560
	196	42	199	20	B0001	126	01F01	FLDCT	D	00012	0.21	494	389	346	43	560
	196	43	130	20	B0001	126	01F01	FLDCT	D	00013	0.21	494	-393	346	-739	560
	196	44	159	20	B0001	126	01F01	FLDCT	D	00014	0.21	494	-64	346	-410	560
	196	45	225	20	B0001	126	01F01	FLDCT	D	00015	0.21	494	684	346	338	560
	196	46	203	20	B0001	126	01F01	FLDCT	D	00016	0.21	494	435	346	89	560
	196	47	231	20	B0001	126	01F01	FLDCT	D	00017	0.21	494	752	346	406	560
	196	48	227	20	B0001	126	01F01	FLDCT	D	00018	0.21	494	707	346	361	560
	196	49	211	20	B0001	126	01F01	FLDCT	D	00019	0.21	494	525	346	179	560
	196	50	213	20	B0001	126	01F01	FLDCT	D	00020	0.21	494	548	346	202	560
	196	51	181	20	B0001	126	01F01	FLDCT	D	00021	0.21	494	185	346	-161	560
	196	52	207	20	B0001	126	01F01	FLDCT	D	00022	0.21	494	480	346	134	560
	196	53	186	20	B0001	126	01F01	FLDCT	E	00005	0.21	494	242	346	-104	560
	196	54	224	20	B0001	126	01F01	FLDCT	E	00006	0.21	494	673	346	327	560
	196	55	216	20	B0001	126	01F01	FLDCT	E	00007	0.21	494	582	346	236	560
	196	56	215	20	B0001	126	01F01	FLDCT	E	00008	0.21	494	571	346	225	560
	196	57	229	20	B0001	126	01F01	FLDCT	E	00009	0.21	494	729	346	383	560
	196	58	218	20	B0001	126	01F01	FLDCT	E	00010	0.21	494	605	346	259	560

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)
	196	59	226	20	B0001	126	01F01	FLDCT	E	00011	0.21	494	695	346	349	560
	196	60	188	20	B0001	126	01F01	FLDCT	E	00012	0.21	494	265	346	-81	560
	196	61	218	20	B0001	126	01F01	FLDCT	E	00013	0.21	494	605	346	259	560
	196	62	212	20	B0001	126	01F01	FLDCT	E	00014	0.21	494	537	346	191	560
	196	63	236	20	B0001	126	01F01	FLDCT	E	00015	0.21	494	809	346	463	560
	196	64	211	20	B0001	126	01F01	FLDCT	E	00016	0.21	494	525	346	179	560
	196	65	204	20	B0001	126	01F01	FLDCT	E	00017	0.21	494	446	346	100	560
	196	66	207	20	B0001	126	01F01	FLDCT	E	00018	0.21	494	480	346	134	560
	196	67	206	20	B0001	126	01F01	FLDCT	E	00019	0.21	494	469	346	123	560
	196	68	204	20	B0001	126	01F01	FLDCT	E	00020	0.21	494	446	346	100	560
	196	69	199	20	B0001	126	01F01	FLDCT	E	00021	0.21	494	389	346	43	560
	196	70	190	20	B0001	126	01F01	FLDCT	E	00022	0.21	494	287	346	-59	560
	196	71	183	20	B0001	126	01F01	FLDCT	E	00023	0.21	494	208	346	-138	560
	196	72	226	20	B0001	126	01F01	FLDCT	F	00004	0.21	494	695	346	349	560
	196	73	243	20	B0001	126	01F01	FLDCT	F	00005	0.21	494	888	346	542	560
	196	74	343	20	B0001	126	01F01	FLDCT	F	00006	0.21	494	2022	346	1676	560
	196	75	224	20	B0001	126	01F01	FLDCT	F	00007	0.21	494	673	346	327	560
	196	76	174	20	B0001	126	01F01	FLDCT	F	00008	0.21	494	106	346	-240	560
	196	77	204	20	B0001	126	01F01	FLDCT	F	00009	0.21	494	446	346	100	560
	196	78	210	20	B0001	126	01F01	FLDCT	F	00010	0.21	494	514	346	168	560
	196	79	216	20	B0001	126	01F01	FLDCT	F	00011	0.21	494	582	346	236	560
	196	80	234	20	B0001	126	01F01	FLDCT	F	00012	0.21	494	786	346	440	560
	196	81	240	20	B0001	126	01F01	FLDCT	F	00013	0.21	494	854	346	508	560
	196	82	228	20	B0001	126	01F01	FLDCT	F	00014	0.21	494	718	346	372	560
	196	83	229	20	B0001	126	01F01	FLDCT	F	00015	0.21	494	729	346	383	560
	196	84	200	20	B0001	126	01F01	FLDCT	F	00016	0.21	494	401	346	55	560
	196	85	227	20	B0001	126	01F01	FLDCT	F	00017	0.21	494	707	346	361	560
	196	86	224	20	B0001	126	01F01	FLDCT	F	00018	0.21	494	673	346	327	560
	196	87	196	20	B0001	126	01F01	FLDCT	F	00019	0.21	494	355	346	9	560
	196	88	200	20	B0001	126	01F01	FLDCT	F	00020	0.21	494	401	346	55	560
	196	89	177	20	B0001	126	01F01	FLDCT	F	00021	0.21	494	140	346	-206	560
	196	90	193	20	B0001	126	01F01	FLDCT	F	00022	0.21	494	321	346	-25	560
	196	91	197	20	B0001	126	01F01	FLDCT	F	00023	0.21	494	367	346	21	560
	196	92	229	20	B0001	126	01F01	FLDCT	F	00024	0.21	494	729	346	383	560
	196	93	269	20	B0001	126	01F01	FLDCT	G	00003	0.21	494	1183	346	837	560
	196	94	243	20	B0001	126	01F01	FLDCT	G	00004	0.21	494	888	346	542	560
	196	95	303	20	B0001	126	01F01	FLDCT	G	00005	0.21	494	1568	346	1222	560
	196	96	211	20	B0001	126	01F01	FLDCT	G	00006	0.21	494	525	346	179	560
	196	97	243	20	B0001	126	01F01	FLDCT	G	00007	0.21	494	888	346	542	560
	196	98	244	20	B0001	126	01F01	FLDCT	G	00008	0.21	494	899	346	553	560
	196	99	227	20	B0001	126	01F01	FLDCT	G	00009	0.21	494	707	346	361	560
	196	100	227	20	B0001	126	01F01	FLDCT	G	00010	0.21	494	707	346	361	560
	196	101	225	20	B0001	126	01F01	FLDCT	G	00011	0.21	494	684	346	338	560
	196	102	229	20	B0001	126	01F01	FLDCT	G	00012	0.21	494	729	346	383	560
	196	103	246	20	B0001	126	01F01	FLDCT	G	00013	0.21	494	922	346	576	560
	196	104	238	20	B0001	126	01F01	FLDCT	G	00014	0.21	494	831	346	485	560
	196	105	232	20	B0001	126	01F01	FLDCT	G	00015	0.21	494	763	346	417	560
	196	106	220	20	B0001	126	01F01	FLDCT	G	00016	0.21	494	627	346	281	560
	196	107	212	20	B0001	126	01F01	FLDCT	G	00017	0.21	494	537	346	191	560
	196	108	223	20	B0001	126	01F01	FLDCT	G	00018	0.21	494	661	346	315	560
	196	109	178	20	B0001	126	01F01	FLDCT	G	00019	0.21	494	151	346	-195	560
	196	110	216	20	B0001	126	01F01	FLDCT	G	00020	0.21	494	582	346	236	560
	196	111	213	20	B0001	126	01F01	FLDCT	G	00021	0.21	494	548	346	202	560
	196	112	201	20	B0001	126	01F01	FLDCT	G	00022	0.21	494	412	346	66	560

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)
	196	113	241	20	B0001	126	01F01	FLDCT	G	00023	0.21	494	865	346	519	560
	196	114	220	20	B0001	126	01F01	FLDCT	G	00024	0.21	494	627	346	281	560
	196	115	198	20	B0001	126	01F01	FLDCT	G	00025	0.21	494	378	346	32	560
	196	116	197	20	B0001	126	01F01	FLDCT	H	00003	0.21	494	367	346	21	560
	196	117	171	20	B0001	126	01F01	FLDCT	H	00004	0.21	494	72	346	-274	560
	196	118	224	20	B0001	126	01F01	FLDCT	H	00005	0.21	494	673	346	327	560
	196	119	257	20	B0001	126	01F01	FLDCT	H	00006	0.21	494	1047	346	701	560
	196	120	174	20	B0001	126	01F01	FLDCT	H	00007	0.21	494	106	346	-240	560
	196	121	206	20	B0001	126	01F01	FLDCT	H	00008	0.21	494	469	346	123	560
	196	122	229	20	B0001	126	01F01	FLDCT	H	00009	0.21	494	729	346	383	560
	196	123	211	20	B0001	126	01F01	FLDCT	H	00010	0.21	494	525	346	179	560
	196	124	257	20	B0001	126	01F01	FLDCT	H	00011	0.21	494	1047	346	701	560
	196	125	241	20	B0001	126	01F01	FLDCT	H	00012	0.21	494	865	346	519	560
	196	126	300	20	B0001	126	01F01	FLDCT	H	00013	0.21	494	1534	346	1188	560
	196	127	249	20	B0001	126	01F01	FLDCT	H	00014	0.21	494	956	346	610	560
	196	128	206	20	B0001	126	01F01	FLDCT	H	00015	0.21	494	469	346	123	560
	196	129	208	20	B0001	126	01F01	FLDCT	H	00016	0.21	494	491	346	145	560
	196	130	232	20	B0001	126	01F01	FLDCT	H	00017	0.21	494	763	346	417	560
	196	131	156	20	B0001	126	01F01	FLDCT	H	00018	0.21	494	-98	346	-444	560
	196	132	154	20	B0001	126	01F01	FLDCT	H	00019	0.21	494	-121	346	-467	560
	196	133	224	20	B0001	126	01F01	FLDCT	H	00020	0.21	494	673	346	327	560
	196	134	240	20	B0001	126	01F01	FLDCT	H	00021	0.21	494	854	346	508	560
	196	135	208	20	B0001	126	01F01	FLDCT	H	00022	0.21	494	491	346	145	560
	196	136	215	20	B0001	126	01F01	FLDCT	H	00023	0.21	494	571	346	225	560
	196	137	184	20	B0001	126	01F01	FLDCT	H	00024	0.21	494	219	346	-127	560
	196	138	200	20	B0001	126	01F01	FLDCT	H	00025	0.21	494	401	346	55	560
	196	139	207	20	B0001	126	01F01	FLDCT	I	00003	0.21	494	480	346	134	560
	196	140	180	20	B0001	126	01F01	FLDCT	I	00004	0.21	494	174	346	-172	560
	196	141	196	20	B0001	126	01F01	FLDCT	I	00005	0.21	494	355	346	9	560
	196	142	133	20	B0001	126	01F01	FLDCT	I	00006	0.21	494	-359	346	-705	560
	196	143	212	20	B0001	126	01F01	FLDCT	I	00007	0.21	494	537	346	191	560
	196	144	198	20	B0001	126	01F01	FLDCT	I	00008	0.21	494	378	346	32	560
	196	145	249	20	B0001	126	01F01	FLDCT	I	00009	0.21	494	956	346	610	560
	196	146	237	20	B0001	126	01F01	FLDCT	I	00010	0.21	494	820	346	474	560
	196	147	250	20	B0001	126	01F01	FLDCT	I	00011	0.21	494	967	346	621	560
	196	148	247	20	B0001	126	01F01	FLDCT	I	00012	0.21	494	933	346	587	560
	196	149	261	20	B0001	126	01F01	FLDCT	I	00013	0.21	494	1092	346	746	560
	196	150	207	20	B0001	126	01F01	FLDCT	I	00014	0.21	494	480	346	134	560
	196	151	214	20	B0001	126	01F01	FLDCT	I	00015	0.21	494	559	346	213	560
	196	152	221	20	B0001	126	01F01	FLDCT	I	00016	0.21	494	639	346	293	560
	196	153	213	20	B0001	126	01F01	FLDCT	I	00017	0.21	494	548	346	202	560
	196	154	267	20	B0001	126	01F01	FLDCT	I	00018	0.21	494	1160	346	814	560
	196	155	218	20	B0001	126	01F01	FLDCT	I	00019	0.21	494	605	346	259	560
	196	156	230	20	B0001	126	01F01	FLDCT	I	00020	0.21	494	741	346	395	560
	196	157	219	20	B0001	126	01F01	FLDCT	I	00021	0.21	494	616	346	270	560
	196	158	223	20	B0001	126	01F01	FLDCT	I	00022	0.21	494	661	346	315	560
	196	159	212	20	B0001	126	01F01	FLDCT	I	00023	0.21	494	537	346	191	560
	196	160	213	20	B0001	126	01F01	FLDCT	I	00024	0.21	494	548	346	202	560
	196	161	188	20	B0001	126	01F01	FLDCT	I	00025	0.21	494	265	346	-81	560
	196	162	90	20	B9999	126	01F01	FLDCT	J	00001	0.21	494	-847	0	-847	517
	196	163	166	20	B0001	126	01F01	FLDCT	J	00002	0.21	494	15	346	-331	560
	196	164	201	20	B0001	126	01F01	FLDCT	J	00003	0.21	494	412	346	66	560
	196	165	186	20	B0001	126	01F01	FLDCT	J	00004	0.21	494	242	346	-104	560
	196	166	215	20	B0001	126	01F01	FLDCT	J	00005	0.21	494	571	346	225	560

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)
	196	167	198	20	B0001	126	01F01	FLDCT	J	00006	0.21	494	378	346	32	560
	196	168	207	20	B0001	126	01F01	FLDCT	J	00007	0.21	494	480	346	134	560
	196	169	213	20	B0001	126	01F01	FLDCT	J	00008	0.21	494	548	346	202	560
	196	170	216	20	B0001	126	01F01	FLDCT	J	00009	0.21	494	582	346	236	560
	196	171	260	20	B0001	126	01F01	FLDCT	J	00010	0.21	494	1081	346	735	560
	196	172	220	20	B0001	126	01F01	FLDCT	J	00011	0.21	494	627	346	281	560
	196	173	212	20	B0001	126	01F01	FLDCT	J	00012	0.21	494	537	346	191	560
	196	174	242	20	B0001	126	01F01	FLDCT	J	00013	0.21	494	877	346	531	560
	196	175	236	20	B0001	126	01F01	FLDCT	J	00014	0.21	494	809	346	463	560
	196	176	197	20	B0001	126	01F01	FLDCT	J	00015	0.21	494	367	346	21	560
	196	177	204	20	B0001	126	01F01	FLDCT	J	00016	0.21	494	446	346	100	560
	196	178	168	20	B0001	126	01F01	FLDCT	J	00017	0.21	494	38	346	-308	560
	196	179	187	20	B0001	126	01F01	FLDCT	J	00018	0.21	494	253	346	-93	560
	196	180	226	20	B0001	126	01F01	FLDCT	J	00019	0.21	494	695	346	349	560
	196	181	215	20	B0001	126	01F01	FLDCT	J	00020	0.21	494	571	346	225	560
	196	182	221	20	B0001	126	01F01	FLDCT	J	00021	0.21	494	639	346	293	560
	196	183	216	20	B0001	126	01F01	FLDCT	J	00022	0.21	494	582	346	236	560
	196	184	214	20	B0001	126	01F01	FLDCT	J	00023	0.21	494	559	346	213	560
	196	185	205	20	B0001	126	01F01	FLDCT	J	00024	0.21	494	457	346	111	560
	196	186	196	20	B0001	126	01F01	FLDCT	J	00025	0.21	494	355	346	9	560
	196	187	192	20	B0001	126	01F01	FLDCT	J	00026	0.21	494	310	346	-36	560
	196	188	91	20	B9999	126	01F01	FLDCT	K	00001	0.21	494	-835	0	-835	517
	196	189	191	20	B0001	126	01F01	FLDCT	K	00002	0.21	494	299	346	-47	560
	196	190	179	20	B0001	126	01F01	FLDCT	K	00003	0.21	494	163	346	-183	560
	196	191	209	20	B0001	126	01F01	FLDCT	K	00004	0.21	494	503	346	157	560
	196	192	206	20	B0001	126	01F01	FLDCT	K	00005	0.21	494	469	346	123	560
	196	193	207	20	B0001	126	01F01	FLDCT	K	00006	0.21	494	480	346	134	560
	196	194	197	20	B0001	126	01F01	FLDCT	K	00007	0.21	494	367	346	21	560
	196	195	207	20	B0001	126	01F01	FLDCT	K	00008	0.21	494	480	346	134	560
	196	196	225	20	B0001	126	01F01	FLDCT	K	00009	0.21	494	684	346	338	560
	196	197	250	20	B0001	126	01F01	FLDCT	K	00010	0.21	494	967	346	621	560
	196	198	238	20	B0001	126	01F01	FLDCT	K	00011	0.21	494	831	346	485	560
	196	199	226	20	B0001	126	01F01	FLDCT	K	00012	0.21	494	695	346	349	560
	196	200	255	20	B0001	126	01F01	FLDCT	K	00013	0.21	494	1024	346	678	560
	196	201	232	20	B0001	126	01F01	FLDCT	K	00014	0.21	494	763	346	417	560
	196	202	268	20	B0001	126	01F01	FLDCT	K	00017	0.21	494	1172	346	826	560
	196	203	248	20	B0001	126	01F01	FLDCT	K	00018	0.21	494	945	346	599	560
	196	204	199	20	B0001	126	01F01	FLDCT	K	00019	0.21	494	389	346	43	560
	196	205	209	20	B0001	126	01F01	FLDCT	K	00020	0.21	494	503	346	157	560
	196	206	202	20	B0001	126	01F01	FLDCT	K	00021	0.21	494	423	346	77	560
	196	207	188	20	B0001	126	01F01	FLDCT	K	00022	0.21	494	265	346	-81	560
	196	208	237	20	B0001	126	01F01	FLDCT	K	00023	0.21	494	820	346	474	560
	196	209	274	20	B0001	126	01F01	FLDCT	K	00024	0.21	494	1240	346	894	560
	196	210	217	20	B0001	126	01F01	FLDCT	K	00025	0.21	494	593	346	247	560
	196	211	193	20	B0001	126	01F01	FLDCT	K	00026	0.21	494	321	346	-25	560
	196	212	93	20	B9999	126	01F01	FLDCT	L	00001	0.21	494	-813	0	-813	517
	196	213	199	20	B0001	126	01F01	FLDCT	L	00002	0.21	494	389	346	43	560
	196	214	205	20	B0001	126	01F01	FLDCT	L	00003	0.21	494	457	346	111	560
	196	215	222	20	B0001	126	01F01	FLDCT	L	00004	0.21	494	650	346	304	560
	196	216	239	20	B0001	126	01F01	FLDCT	L	00005	0.21	494	843	346	497	560
	196	217	165	20	B0001	126	01F01	FLDCT	L	00006	0.21	494	4	346	-342	560
	196	218	235	20	B0001	126	01F01	FLDCT	L	00007	0.21	494	797	346	451	560
	196	219	238	20	B0001	126	01F01	FLDCT	L	00008	0.21	494	831	346	485	560
	196	220	229	20	B0001	126	01F01	FLDCT	L	00009	0.21	494	729	346	383	560

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 ($dpm/100cm^2$)
	196	221	242	20	B0001	126	01F01	FLDCT	L	00010	0.21	494	877	346	531	560
	196	222	255	20	B0001	126	01F01	FLDCT	L	00011	0.21	494	1024	346	678	560
	196	223	278	20	B0001	126	01F01	FLDCT	L	00012	0.21	494	1285	346	939	560
	196	224	208	20	B0001	126	01F01	FLDCT	L	00018	0.21	494	491	346	145	560
	196	225	232	20	B0001	126	01F01	FLDCT	L	00019	0.21	494	763	346	417	560
	196	226	197	20	B0001	126	01F01	FLDCT	L	00020	0.21	494	367	346	21	560
	196	227	197	20	B0001	126	01F01	FLDCT	L	00021	0.21	494	367	346	21	560
	196	228	207	20	B0001	126	01F01	FLDCT	L	00022	0.21	494	480	346	134	560
	196	229	204	20	B0001	126	01F01	FLDCT	L	00023	0.21	494	446	346	100	560
	196	230	193	20	B0001	126	01F01	FLDCT	L	00024	0.21	494	321	346	-25	560
	196	231	221	20	B0001	126	01F01	FLDCT	L	00025	0.21	494	639	346	293	560
	196	232	218	20	B0001	126	01F01	FLDCT	L	00026	0.21	494	605	346	259	560
	196	233	220	20	B0001	126	01F01	FLDCT	M	00002	0.21	494	627	346	281	560
	196	234	243	20	B0001	126	01F01	FLDCT	M	00003	0.21	494	888	346	542	560
	196	235	174	20	B0001	126	01F01	FLDCT	M	00004	0.21	494	106	346	-240	560
	196	236	173	20	B0001	126	01F01	FLDCT	M	00005	0.21	494	94	346	-252	560
	196	237	204	20	B0001	126	01F01	FLDCT	M	00006	0.21	494	446	346	100	560
	196	238	205	20	B0001	126	01F01	FLDCT	M	00007	0.21	494	457	346	111	560
	196	239	230	20	B0001	126	01F01	FLDCT	M	00008	0.21	494	741	346	395	560
	196	240	233	20	B0001	126	01F01	FLDCT	M	00009	0.21	494	775	346	429	560
	196	241	228	20	B0001	126	01F01	FLDCT	M	00010	0.21	494	718	346	372	560
	196	242	229	20	B0001	126	01F01	FLDCT	M	00011	0.21	494	729	346	383	560
	196	243	228	20	B0001	126	01F01	FLDCT	M	00012	0.21	494	718	346	372	560
	196	244	192	20	B0001	126	01F01	FLDCT	M	00018	0.21	494	310	346	-36	560
	196	245	200	20	B0001	126	01F01	FLDCT	M	00019	0.21	494	401	346	55	560
	196	246	185	20	B0001	126	01F01	FLDCT	M	00020	0.21	494	231	346	-115	560
	196	247	185	20	B0001	126	01F01	FLDCT	M	00021	0.21	494	231	346	-115	560
	196	248	206	20	B0001	126	01F01	FLDCT	M	00022	0.21	494	469	346	123	560
	196	249	180	20	B0001	126	01F01	FLDCT	M	00023	0.21	494	174	346	-172	560
	196	250	203	20	B0001	126	01F01	FLDCT	M	00024	0.21	494	435	346	89	560
	196	251	228	20	B0001	126	01F01	FLDCT	M	00025	0.21	494	718	346	372	560
	196	252	195	20	B0001	126	01F01	FLDCT	N	00002	0.21	494	344	346	-2	560
	196	253	190	20	B0001	126	01F01	FLDCT	N	00003	0.21	494	287	346	-59	560
	196	254	207	20	B0001	126	01F01	FLDCT	N	00004	0.21	494	480	346	134	560
	196	255	243	20	B0001	126	01F01	FLDCT	N	00005	0.21	494	888	346	542	560
	196	256	219	20	B0001	126	01F01	FLDCT	N	00006	0.21	494	616	346	270	560
	196	257	215	20	B0001	126	01F01	FLDCT	N	00007	0.21	494	571	346	225	560
	196	258	222	20	B0001	126	01F01	FLDCT	N	00008	0.21	494	650	346	304	560
	196	259	210	20	B0001	126	01F01	FLDCT	N	00009	0.21	494	514	346	168	560
	196	260	250	20	B0001	126	01F01	FLDCT	N	00010	0.21	494	967	346	621	560
	196	261	203	20	B0001	126	01F01	FLDCT	N	00011	0.21	494	435	346	89	560
	196	262	243	20	B0001	126	01F01	FLDCT	N	00012	0.21	494	888	346	542	560
	196	263	178	20	B0001	126	01F01	FLDCT	N	00020	0.21	494	151	346	-195	560
	196	264	202	20	B0001	126	01F01	FLDCT	N	00021	0.21	494	423	346	77	560
	196	265	184	20	B0001	126	01F01	FLDCT	N	00022	0.21	494	219	346	-127	560
	196	266	193	20	B0001	126	01F01	FLDCT	N	00023	0.21	494	321	346	-25	560
	196	267	203	20	B0001	126	01F01	FLDCT	N	00024	0.21	494	435	346	89	560
	196	268	211	20	B0001	126	01F01	FLDCT	N	00025	0.21	494	525	346	179	560
	196	269	204	20	B0001	126	01F01	FLDCT	N	00026	0.21	494	446	346	100	560
	196	270	207	20	B0001	126	01F01	FLDCT	O	00002	0.21	494	480	346	134	560
	196	271	181	20	B0001	126	01F01	FLDCT	O	00003	0.21	494	185	346	-161	560
	196	272	208	20	B0001	126	01F01	FLDCT	O	00004	0.21	494	491	346	145	560
	196	273	229	20	B0001	126	01F01	FLDCT	O	00005	0.21	494	729	346	383	560
	196	274	199	20	B0001	126	01F01	FLDCT	O	00006	0.21	494	389	346	43	560

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)
	196	275	217	20	B0001	126	01F01	FLDCT	O	00007	0.21	494	593	346	247	560
	196	276	247	20	B0001	126	01F01	FLDCT	O	00008	0.21	494	933	346	587	560
	196	277	179	20	B0001	126	01F01	FLDCT	O	00009	0.21	494	163	346	-183	560
	196	278	242	20	B0001	126	01F01	FLDCT	O	00010	0.21	494	877	346	531	560
	196	279	228	20	B0001	126	01F01	FLDCT	O	00011	0.21	494	718	346	372	560
	196	280	242	20	B0001	126	01F01	FLDCT	O	00012	0.21	494	877	346	531	560
	196	281	179	20	B0001	126	01F01	FLDCT	O	00021	0.21	494	163	346	-183	560
	196	282	158	20	B0001	126	01F01	FLDCT	O	00022	0.21	494	-76	346	-422	560
	196	283	201	20	B0001	126	01F01	FLDCT	O	00023	0.21	494	412	346	66	560
	196	284	205	20	B0001	126	01F01	FLDCT	O	00024	0.21	494	457	346	111	560
	196	285	214	20	B0001	126	01F01	FLDCT	O	00025	0.21	494	559	346	213	560
	196	286	172	20	B0001	126	01F01	FLDCT	O	00026	0.21	494	83	346	-263	560
	196	287	163	20	B0001	126	01F01	FLDCT	P	00002	0.21	494	-19	346	-365	560
	196	288	197	20	B0001	126	01F01	FLDCT	P	00003	0.21	494	367	346	21	560
	196	289	216	20	B0001	126	01F01	FLDCT	P	00004	0.21	494	582	346	236	560
	196	290	172	20	B0001	126	01F01	FLDCT	P	00005	0.21	494	83	346	-263	560
	196	291	208	20	B0001	126	01F01	FLDCT	P	00006	0.21	494	491	346	145	560
	196	292	240	20	B0001	126	01F01	FLDCT	P	00007	0.21	494	854	346	508	560
	196	293	179	20	B0001	126	01F01	FLDCT	P	00008	0.21	494	163	346	-183	560
	196	294	260	20	B0001	126	01F01	FLDCT	P	00009	0.21	494	1081	346	735	560
	196	295	197	20	B0001	126	01F01	FLDCT	P	00010	0.21	494	367	346	21	560
	196	296	307	20	B0001	126	01F01	FLDCT	P	00011	0.21	494	1614	346	1268	560
	196	297	240	20	B0001	126	01F01	FLDCT	P	00012	0.21	494	854	346	508	560
	196	298	297	20	B0001	126	01F01	FLDCT	P	00013	0.21	494	1500	346	1154	560
	196	299	178	20	B0001	126	01F01	FLDCT	P	00022	0.21	494	151	346	-195	560
	196	300	211	20	B0001	126	01F01	FLDCT	P	00023	0.21	494	525	346	179	560
	196	301	224	20	B0001	126	01F01	FLDCT	P	00024	0.21	494	673	346	327	560
	196	302	208	20	B0001	126	01F01	FLDCT	P	00025	0.21	494	491	346	145	560
	196	303	247	20	B0001	126	01F01	FLDCT	P	00026	0.21	494	933	346	587	560
	196	304	207	20	B0001	126	01F01	FLDCT	Q	00003	0.21	494	480	346	134	560
	196	305	185	20	B0001	126	01F01	FLDCT	Q	00004	0.21	494	231	346	-115	560
	196	306	211	20	B0001	126	01F01	FLDCT	Q	00005	0.21	494	525	346	179	560
	196	307	222	20	B0001	126	01F01	FLDCT	Q	00006	0.21	494	650	346	304	560
	196	308	228	20	B0001	126	01F01	FLDCT	Q	00007	0.21	494	718	346	372	560
	196	309	215	20	B0001	126	01F01	FLDCT	Q	00008	0.21	494	571	346	225	560
	196	310	179	20	B0001	126	01F01	FLDCT	Q	00009	0.21	494	163	346	-183	560
	196	311	186	20	B0001	126	01F01	FLDCT	Q	00010	0.21	494	242	346	-104	560
	196	312	259	20	B0001	126	01F01	FLDCT	Q	00011	0.21	494	1070	346	724	560
	196	313	224	20	B0001	126	01F01	FLDCT	Q	00012	0.21	494	673	346	327	560
	196	314	242	20	B0001	126	01F01	FLDCT	Q	00013	0.21	494	877	346	531	560
	196	315	201	20	B0001	126	01F01	FLDCT	Q	00014	0.21	494	412	346	66	560
	196	316	175	20	B0001	126	01F01	FLDCT	Q	00015	0.21	494	117	346	-229	560
	196	317	169	20	B0001	126	01F01	FLDCT	Q	00016	0.21	494	49	346	-297	560
	196	318	170	20	B0001	126	01F01	FLDCT	Q	00017	0.21	494	60	346	-286	560
	196	319	245	20	B0001	126	01F01	FLDCT	Q	00022	0.21	494	911	346	565	560
	196	320	170	20	B0001	126	01F01	FLDCT	Q	00023	0.21	494	60	346	-286	560
	196	321	201	20	B0001	126	01F01	FLDCT	Q	00024	0.21	494	412	346	66	560
	196	322	221	20	B0001	126	01F01	FLDCT	Q	00025	0.21	494	639	346	293	560
	196	323	194	20	B0001	126	01F01	FLDCT	R	00003	0.21	494	333	346	-13	560
	196	324	190	20	B0001	126	01F01	FLDCT	R	00004	0.21	494	287	346	-59	560
	196	325	219	20	B0001	126	01F01	FLDCT	R	00005	0.21	494	616	346	270	560
	196	326	184	20	B0001	126	01F01	FLDCT	R	00006	0.21	494	219	346	-127	560
	196	327	260	20	B0001	126	01F01	FLDCT	R	00007	0.21	494	1081	346	735	560
	196	328	222	20	B0001	126	01F01	FLDCT	R	00008	0.21	494	650	346	304	560

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 ($dpm/100cm^2$)
	196	329	204	20	B0001	126	01F01	FLDCT	R	00009	0.21	494	446	346	100	560
	196	330	305	20	B0001	126	01F01	FLDCT	R	00010	0.21	494	1591	346	1245	560
	196	331	218	20	B0001	126	01F01	FLDCT	R	00011	0.21	494	605	346	259	560
	196	332	226	20	B0001	126	01F01	FLDCT	R	00012	0.21	494	695	346	349	560
	196	333	204	20	B0001	126	01F01	FLDCT	R	00013	0.21	494	446	346	100	560
	196	334	180	20	B0001	126	01F01	FLDCT	R	00014	0.21	494	174	346	-172	560
	196	335	173	20	B0001	126	01F01	FLDCT	R	00015	0.21	494	94	346	-252	560
	196	336	205	20	B0001	126	01F01	FLDCT	R	00016	0.21	494	457	346	111	560
	196	337	192	20	B0001	126	01F01	FLDCT	R	00017	0.21	494	310	346	-36	560
	196	338	158	20	B0001	126	01F01	FLDCT	R	00018	0.21	494	-76	346	-422	560
	196	339	182	20	B0001	126	01F01	FLDCT	R	00019	0.21	494	197	346	-149	560
	196	340	162	20	B0001	126	01F01	FLDCT	R	00021	0.21	494	-30	346	-376	560
	196	341	224	20	B0001	126	01F01	FLDCT	R	00022	0.21	494	673	346	327	560
	196	342	224	20	B0001	126	01F01	FLDCT	R	00023	0.21	494	673	346	327	560
	196	343	192	20	B0001	126	01F01	FLDCT	R	00024	0.21	494	310	346	-36	560
	196	344	205	20	B0001	126	01F01	FLDCT	R	00025	0.21	494	457	346	111	560
	196	345	167	20	B0001	126	01F01	FLDCT	S	00003	0.21	494	26	346	-320	560
	196	346	185	20	B0001	126	01F01	FLDCT	S	00004	0.21	494	231	346	-115	560
	196	347	183	20	B0001	126	01F01	FLDCT	S	00005	0.21	494	208	346	-138	560
	196	348	209	20	B0001	126	01F01	FLDCT	S	00006	0.21	494	503	346	157	560
	196	349	209	20	B0001	126	01F01	FLDCT	S	00007	0.21	494	503	346	157	560
	196	350	227	20	B0001	126	01F01	FLDCT	S	00008	0.21	494	707	346	361	560
	196	351	226	20	B0001	126	01F01	FLDCT	S	00009	0.21	494	695	346	349	560
	196	352	228	20	B0001	126	01F01	FLDCT	S	00010	0.21	494	718	346	372	560
	196	353	200	20	B0001	126	01F01	FLDCT	S	00011	0.21	494	401	346	55	560
	196	354	194	20	B0001	126	01F01	FLDCT	S	00012	0.21	494	333	346	-13	560
	196	355	203	20	B0001	126	01F01	FLDCT	S	00013	0.21	494	435	346	89	560
	196	356	196	20	B0001	126	01F01	FLDCT	S	00014	0.21	494	355	346	9	560
	196	357	194	20	B0001	126	01F01	FLDCT	S	00015	0.21	494	333	346	-13	560
	196	358	187	20	B0001	126	01F01	FLDCT	S	00016	0.21	494	253	346	-93	560
	196	359	191	20	B0001	126	01F01	FLDCT	S	00017	0.21	494	299	346	-47	560
	196	360	190	20	B0001	126	01F01	FLDCT	S	00018	0.21	494	287	346	-59	560
	196	361	169	20	B0001	126	01F01	FLDCT	S	00019	0.21	494	49	346	-297	560
	196	362	200	20	B0001	126	01F01	FLDCT	S	00020	0.21	494	401	346	55	560
	196	363	206	20	B0001	126	01F01	FLDCT	S	00021	0.21	494	469	346	123	560
	196	364	202	20	B0001	126	01F01	FLDCT	S	00022	0.21	494	423	346	77	560
	196	365	212	20	B0001	126	01F01	FLDCT	S	00023	0.21	494	537	346	191	560
	196	366	206	20	B0001	126	01F01	FLDCT	S	00024	0.21	494	469	346	123	560
	196	367	212	20	B0001	126	01F01	FLDCT	S	00025	0.21	494	537	346	191	560
	196	368	211	20	B0001	126	01F01	FLDCT	T	00004	0.21	494	525	346	179	560
	196	369	195	20	B0001	126	01F01	FLDCT	T	00005	0.21	494	344	346	-2	560
	196	370	225	20	B0001	126	01F01	FLDCT	T	00006	0.21	494	684	346	338	560
	196	371	218	20	B0001	126	01F01	FLDCT	T	00007	0.21	494	605	346	259	560
	196	372	194	20	B0001	126	01F01	FLDCT	T	00008	0.21	494	333	346	-13	560
	196	373	209	20	B0001	126	01F01	FLDCT	T	00009	0.21	494	503	346	157	560
	196	374	216	20	B0001	126	01F01	FLDCT	T	00010	0.21	494	582	346	236	560
	196	375	203	20	B0001	126	01F01	FLDCT	T	00011	0.21	494	435	346	89	560
	196	376	190	20	B0001	126	01F01	FLDCT	T	00012	0.21	494	287	346	-59	560
	196	377	180	20	B0001	126	01F01	FLDCT	T	00013	0.21	494	174	346	-172	560
	196	378	207	20	B0001	126	01F01	FLDCT	T	00014	0.21	494	480	346	134	560
	196	379	170	20	B0001	126	01F01	FLDCT	T	00015	0.21	494	60	346	-286	560
	196	380	211	20	B0001	126	01F01	FLDCT	T	00016	0.21	494	525	346	179	560
	196	381	206	20	B0001	126	01F01	FLDCT	T	00017	0.21	494	469	346	123	560
	196	382	206	20	B0001	126	01F01	FLDCT	T	00018	0.21	494	469	346	123	560

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)
	196	383	217	20	B0001	126	01F01	FLDCT	T	00019	0.21	494	593	346	247	560
	196	384	202	20	B0001	126	01F01	FLDCT	T	00020	0.21	494	423	346	77	560
	196	385	198	20	B0001	126	01F01	FLDCT	T	00021	0.21	494	378	346	32	560
	196	386	216	20	B0001	126	01F01	FLDCT	T	00022	0.21	494	582	346	236	560
	196	387	229	20	B0001	126	01F01	FLDCT	T	00023	0.21	494	729	346	383	560
	196	388	201	20	B0001	126	01F01	FLDCT	T	00024	0.21	494	412	346	66	560
	196	389	176	20	B0001	126	01F01	FLDCT	U	00005	0.21	494	128	346	-218	560
	196	390	222	20	B0001	126	01F01	FLDCT	U	00006	0.21	494	650	346	304	560
	196	391	182	20	B0001	126	01F01	FLDCT	U	00007	0.21	494	197	346	-149	560
	196	392	210	20	B0001	126	01F01	FLDCT	U	00008	0.21	494	514	346	168	560
	196	393	211	20	B0001	126	01F01	FLDCT	U	00009	0.21	494	525	346	179	560
	196	394	214	20	B0001	126	01F01	FLDCT	U	00010	0.21	494	559	346	213	560
	196	395	163	20	B0001	126	01F01	FLDCT	U	00011	0.21	494	-19	346	-365	560
	196	396	199	20	B0001	126	01F01	FLDCT	U	00012	0.21	494	389	346	43	560
	196	397	182	20	B0001	126	01F01	FLDCT	U	00013	0.21	494	197	346	-149	560
	196	398	207	20	B0001	126	01F01	FLDCT	U	00014	0.21	494	480	346	134	560
	196	399	200	20	B0001	126	01F01	FLDCT	U	00015	0.21	494	401	346	55	560
	196	400	211	20	B0001	126	01F01	FLDCT	U	00016	0.21	494	525	346	179	560
	196	401	195	20	B0001	126	01F01	FLDCT	U	00017	0.21	494	344	346	-2	560
	196	402	183	20	B0001	126	01F01	FLDCT	U	00018	0.21	494	208	346	-138	560
	196	403	185	20	B0001	126	01F01	FLDCT	U	00019	0.21	494	231	346	-115	560
	196	404	213	20	B0001	126	01F01	FLDCT	U	00020	0.21	494	548	346	202	560
	196	405	163	20	B0001	126	01F01	FLDCT	U	00021	0.21	494	-19	346	-365	560
	196	406	217	20	B0001	126	01F01	FLDCT	U	00023	0.21	494	593	346	247	560
	196	407	191	20	B0001	126	01F01	FLDCT	U	00024	0.21	494	299	346	-47	560
	196	408	214	20	B0001	126	01F01	FLDCT	V	00005	0.21	494	559	346	213	560
	196	409	222	20	B0001	126	01F01	FLDCT	V	00006	0.21	494	650	346	304	560
	196	410	218	20	B0001	126	01F01	FLDCT	V	00007	0.21	494	605	346	259	560
	196	411	178	20	B0001	126	01F01	FLDCT	V	00008	0.21	494	151	346	-195	560
	196	412	191	20	B0001	126	01F01	FLDCT	V	00009	0.21	494	299	346	-47	560
	196	413	192	20	B0001	126	01F01	FLDCT	V	00010	0.21	494	310	346	-36	560
	196	414	185	20	B0001	126	01F01	FLDCT	V	00011	0.21	494	231	346	-115	560
	196	415	204	20	B0001	126	01F01	FLDCT	V	00012	0.21	494	446	346	100	560
	196	416	183	20	B0001	126	01F01	FLDCT	V	00013	0.21	494	208	346	-138	560
	196	417	215	20	B0001	126	01F01	FLDCT	V	00014	0.21	494	571	346	225	560
	196	418	198	20	B0001	126	01F01	FLDCT	V	00015	0.21	494	378	346	32	560
	196	419	204	20	B0001	126	01F01	FLDCT	V	00016	0.21	494	446	346	100	560
	196	420	194	20	B0001	126	01F01	FLDCT	V	00017	0.21	494	333	346	-13	560
	196	421	178	20	B0001	126	01F01	FLDCT	V	00018	0.21	494	151	346	-195	560
	196	422	174	20	B0001	126	01F01	FLDCT	V	00019	0.21	494	106	346	-240	560
	196	423	199	20	B0001	126	01F01	FLDCT	W	00006	0.21	494	389	346	43	560
	196	424	217	20	B0001	126	01F01	FLDCT	W	00007	0.21	494	593	346	247	560
	196	425	202	20	B0001	126	01F01	FLDCT	W	00008	0.21	494	423	346	77	560
	196	426	213	20	B0001	126	01F01	FLDCT	W	00009	0.21	494	548	346	202	560
	196	427	183	20	B0001	126	01F01	FLDCT	W	00010	0.21	494	208	346	-138	560
	196	428	214	20	B0001	126	01F01	FLDCT	W	00011	0.21	494	559	346	213	560
	196	429	197	20	B0001	126	01F01	FLDCT	W	00012	0.21	494	367	346	21	560
	196	430	180	20	B0001	126	01F01	FLDCT	W	00013	0.21	494	174	346	-172	560
	196	431	179	20	B0001	126	01F01	FLDCT	W	00014	0.21	494	163	346	-183	560
	196	432	201	20	B0001	126	01F01	FLDCT	W	00015	0.21	494	412	346	66	560
	196	433	158	20	B0001	126	01F01	FLDCT	W	00016	0.21	494	-76	346	-422	560
	196	434	187	20	B0001	126	01F01	FLDCT	W	00017	0.21	494	253	346	-93	560
	196	435	194	20	B0001	126	01F01	FLDCT	W	00018	0.21	494	333	346	-13	560
	196	436	197	20	B0001	126	01F01	FLDCT	W	00019	0.21	494	367	346	21	560

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 ($dpm/100cm^2$)
	196	437	182	20	B0001	126	01F01	FLDCT	W	00020	0.21	494	197	346	-149	560
	196	438	212	20	B0001	126	01F01	FLDCT	X	00008	0.21	494	537	346	191	560
	196	439	199	20	B0001	126	01F01	FLDCT	X	00009	0.21	494	389	346	43	560
	196	440	273	20	B0001	126	01F01	FLDCT	X	00010	0.21	494	1228	346	882	560
	196	441	223	20	B0001	126	01F01	FLDCT	X	00011	0.21	494	661	346	315	560
	196	442	217	20	B0001	126	01F01	FLDCT	X	00012	0.21	494	593	346	247	560
	196	443	178	20	B0001	126	01F01	FLDCT	X	00016	0.21	494	151	346	-195	560
	196	444	192	20	B0001	126	01F01	FLDCT	X	00017	0.21	494	310	346	-36	560
	196	445	191	20	B0001	126	01F01	FLDCT	X	00018	0.21	494	299	346	-47	560
	196	446	183	20	B0001	126	01F01	FLDCT	X	00019	0.21	494	208	346	-138	560
	196	447	156	20	B0001	126	01F01	FLDCT	X	00020	0.21	494	-98	346	-444	560
	196	448	206	20	B0001	126	01F01	FLDCT	Y	00010	0.21	494	469	346	123	560
	196	449	218	20	B0001	126	01F01	FLDCT	Y	00011	0.21	494	605	346	259	560
	196	450	197	20	B0001	126	01F01	FLDCT	Y	00012	0.21	494	367	346	21	560
	196	451	206	20	B0001	126	01F01	FLDCT	Y	00013	0.21	494	469	346	123	560
	196	452	154	20	B0001	126	01F01	FLDCT	Y	00014	0.21	494	-121	346	-467	560
	196	453	194	20	B0001	126	01F01	FLDCT	Y	00015	0.21	494	333	346	-13	560
	196	454	187	20	B0001	126	01F01	FLDCT	Y	00016	0.21	494	253	346	-93	560
	196	455	163	20	B0001	126	01F01	FLDCT	Y	00017	0.21	494	-19	346	-365	560
	196	456	113	20	B9999	126	01F01	FLDCT	Y	00018	0.21	494	-586	0	-586	517
	196	457	113	20	B9999	126	01F01	FLDCT	Y	00019	0.21	494	-586	0	-586	517
	196	458	110	20	B9999	126	01F01	FLDCT	Z	00017	0.21	494	-620	0	-620	517
	196	459	97	20	B9999	126	01F01	FLDCT	Z	00018	0.21	494	-767	0	-767	517
	196	460	91	20	B9999	126	01F01	FLDCT	Z	00019	0.21	494	-835	0	-835	517
	196	461	119	20	B9999	126	01F01	FLDCT	AA	00017	0.21	494	-518	0	-518	517
	196	462	113	20	B9999	126	01F01	FLDCT	AA	00018	0.21	494	-586	0	-586	517
	196	463	108	20	B9999	126	01F01	FLDCT	AA	00019	0.21	494	-642	0	-642	517
02F01	95	5	188	20	B0002	126	02F01	FLDCT	A	00001	0.213	397	622	354	268	509
	95	6	202	20	B0002	126	02F01	FLDCT	A	00002	0.213	397	779	354	425	509
	95	7	191	20	B0002	126	02F01	FLDCT	A	00003	0.213	397	656	354	302	509
	95	8	174	20	B0002	126	02F01	FLDCT	A	00004	0.213	397	466	354	112	509
	95	9	188	20	B0002	126	02F01	FLDCT	B	00001	0.213	397	622	354	268	509
	95	10	188	20	B0002	126	02F01	FLDCT	B	00002	0.213	397	622	354	268	509
	95	11	185	20	B0002	126	02F01	FLDCT	B	00003	0.213	397	589	354	235	509
	95	12	228	20	B0002	126	02F01	FLDCT	B	00004	0.213	397	1069	354	715	509
	95	13	176	20	B0002	126	02F01	FLDCT	C	00001	0.213	397	488	354	134	509
	95	14	172	20	B0002	126	02F01	FLDCT	C	00002	0.213	397	443	354	89	509
	95	15	208	20	B0002	126	02F01	FLDCT	C	00003	0.213	397	846	354	492	509
	95	16	188	20	B0002	126	02F01	FLDCT	C	00004	0.213	397	622	354	268	509
03F01	96	5	142	20	B9999	126	03F01	FLDCT	A	00001	0.213	383	160	0	160	453
	96	6	148	20	B9999	126	03F01	FLDCT	A	00002	0.213	383	227	0	227	453
	96	7	115	20	B9999	126	03F01	FLDCT	A	00003	0.213	383	-142	0	-142	453
	96	8	136	20	B9999	126	03F01	FLDCT	A	00004	0.213	383	93	0	93	453
	96	9	156	20	B9999	126	03F01	FLDCT	B	00001	0.213	383	317	0	317	453
	96	10	113	20	B9999	126	03F01	FLDCT	B	00002	0.213	383	-164	0	-164	453
	96	11	156	20	B9999	126	03F01	FLDCT	B	00003	0.213	383	317	0	317	453
	96	12	138	20	B9999	126	03F01	FLDCT	B	00004	0.213	383	116	0	116	453
	96	13	121	20	B9999	126	03F01	FLDCT	B	00005	0.213	383	-75	0	-75	453

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 ($dpm/100cm^2$)
	96	14	119	20	B9999	126	03F01	FLDCT	C	00001	0.213	383	-97	0	-97	453
	96	15	128	20	B9999	126	03F01	FLDCT	C	00002	0.213	383	4	0	4	453
	96	16	143	20	B9999	126	03F01	FLDCT	C	00003	0.213	383	171	0	171	453
	96	17	140	20	B9999	126	03F01	FLDCT	C	00004	0.213	383	138	0	138	453
	96	18	114	20	B9999	126	03F01	FLDCT	C	00005	0.213	383	-153	0	-153	453
01W01	141	5	187	20	B0001	126	01W01	FLDCT	A	00001	0.218	439	444	346	444	471
	141	6	179	20	B0001	126	01W01	FLDCT	A	00002	0.218	439	357	346	357	471
	141	7	147	20	B0001	126	01W01	FLDCT	A	00003	0.218	439	7	346	7	471
	141	8	156	20	B0001	126	01W01	FLDCT	A	00004	0.218	439	106	346	106	471
	141	9	205	20	B0001	126	01W01	FLDCT	A	00005	0.218	439	641	346	641	471
	141	10	215	20	B0001	126	01W01	FLDCT	A	00006	0.218	439	750	346	750	471
	141	11	222	20	B0001	126	01W01	FLDCT	A	00007	0.218	439	826	346	826	471
	141	12	183	20	B0001	126	01W01	FLDCT	A	00008	0.218	439	400	346	400	471
	141	13	200	20	B0001	126	01W01	FLDCT	A	00009	0.218	439	586	346	586	471
	141	14	194	20	B0001	126	01W01	FLDCT	A	00010	0.218	439	521	346	521	471
	141	15	201	20	B0001	126	01W01	FLDCT	A	00011	0.218	439	597	346	597	471
	141	16	168	20	B0001	126	01W01	FLDCT	A	00012	0.218	439	237	346	237	471
	141	17	189	20	B0001	126	01W01	FLDCT	A	00013	0.218	439	466	346	466	471
	141	18	187	20	B0001	126	01W01	FLDCT	A	00014	0.218	439	444	346	444	471
	141	19	171	20	B0001	126	01W01	FLDCT	A	00015	0.218	439	269	346	269	471
	141	20	163	20	B0001	126	01W01	FLDCT	A	00016	0.218	439	182	346	182	471
	141	21	182	20	B0001	126	01W01	FLDCT	A	00017	0.218	439	390	346	390	471
	141	22	160	20	B0001	126	01W01	FLDCT	A	00018	0.218	439	149	346	149	471
	141	23	164	20	B0001	126	01W01	FLDCT	A	00019	0.218	439	193	346	193	471
	141	24	146	20	B0001	126	01W01	FLDCT	A	00020	0.218	439	-4	346	-4	471
	141	25	174	20	B0001	126	01W01	FLDCT	A	00021	0.218	439	302	346	302	471
	141	26	198	20	B0001	126	01W01	FLDCT	A	00022	0.218	439	564	346	564	471
	141	27	172	20	B0001	126	01W01	FLDCT	A	00023	0.218	439	280	346	280	471
	141	28	175	20	B0001	126	01W01	FLDCT	A	00024	0.218	439	313	346	313	471
	141	29	187	20	B0001	126	01W01	FLDCT	A	00025	0.218	439	444	346	444	471
	141	30	195	20	B0001	126	01W01	FLDCT	A	00026	0.218	439	532	346	532	471
	141	31	185	20	B0001	126	01W01	FLDCT	A	00027	0.218	439	422	346	422	471
	141	32	182	20	B0001	126	01W01	FLDCT	A	00028	0.218	439	390	346	390	471
	141	33	193	20	B0001	126	01W01	FLDCT	A	00029	0.218	439	510	346	510	471
	141	34	198	20	B0001	126	01W01	FLDCT	A	00030	0.218	439	564	346	564	471
	141	35	189	20	B0001	126	01W01	FLDCT	A	00031	0.218	439	466	346	466	471
	141	36	175	20	B0001	126	01W01	FLDCT	A	00032	0.218	439	313	346	313	471
	141	37	171	20	B0001	126	01W01	FLDCT	A	00033	0.218	439	269	346	269	471
	141	38	173	20	B0001	126	01W01	FLDCT	A	00034	0.218	439	291	346	291	471
	141	39	157	20	B0001	126	01W01	FLDCT	A	00035	0.218	439	116	346	116	471
	141	40	198	20	B0001	126	01W01	FLDCT	A	00036	0.218	439	564	346	564	471
	141	41	195	20	B0001	126	01W01	FLDCT	A	00037	0.218	439	532	346	532	471
	141	42	184	20	B0001	126	01W01	FLDCT	A	00038	0.218	439	411	346	411	471
	141	43	192	20	B0001	126	01W01	FLDCT	A	00039	0.218	439	499	346	499	471
	141	44	197	20	B0001	126	01W01	FLDCT	A	00040	0.218	439	553	346	553	471
	141	45	170	20	B0001	126	01W01	FLDCT	A	00041	0.218	439	258	346	258	471
	141	46	208	20	B0001	126	01W01	FLDCT	A	00042	0.218	439	674	346	674	471
	141	47	185	20	B0001	126	01W01	FLDCT	A	00043	0.218	439	422	346	422	471
	141	48	148	20	B0001	126	01W01	FLDCT	A	00044	0.218	439	18	346	18	471
	141	49	145	20	B0001	126	01W01	FLDCT	A	00045	0.218	439	-15	346	-15	471
	141	50	195	20	B0001	126	01W01	FLDCT	A	00046	0.218	439	532	346	532	471
	141	51	165	20	B0001	126	01W01	FLDCT	A	00047	0.218	439	204	346	204	471

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 ($dpm/100cm^2$)
	141	52	200	20	B0001	126	01W01	FLDCT	A	00051	0.218	439	586	346	586	471
	141	53	162	20	B0001	126	01W01	FLDCT	A	00055	0.218	439	171	346	171	471
	141	54	175	20	B0001	126	01W01	FLDCT	A	00056	0.218	439	313	346	313	471
	141	55	166	20	B0001	126	01W01	FLDCT	A	00057	0.218	439	215	346	215	471
	141	56	124	20	B0001	126	01W01	FLDCT	A	00058	0.218	439	-244	346	-244	471
	141	57	200	20	B0001	126	01W01	FLDCT	A	00061	0.218	439	586	346	586	471
	141	58	128	20	B0001	126	01W01	FLDCT	A	00062	0.218	439	-200	346	-200	471
	141	59	177	20	B0001	126	01W01	FLDCT	A	00063	0.218	439	335	346	335	471
	141	60	170	20	B0001	126	01W01	FLDCT	A	00064	0.218	439	258	346	258	471
	141	61	188	20	B0001	126	01W01	FLDCT	A	00065	0.218	439	455	346	455	471
	141	62	188	20	B0001	126	01W01	FLDCT	A	00066	0.218	439	455	346	455	471
	141	63	208	20	B0001	126	01W01	FLDCT	A	00067	0.218	439	674	346	674	471
	141	64	193	20	B0001	126	01W01	FLDCT	A	00068	0.218	439	510	346	510	471
	141	65	245	20	B0001	126	01W01	FLDCT	A	00069	0.218	439	1078	346	1078	471
	141	66	231	20	B0001	126	01W01	FLDCT	A	00070	0.218	439	925	346	925	471
	141	67	188	20	B0001	126	01W01	FLDCT	A	00071	0.218	439	455	346	455	471
	141	68	181	20	B0001	126	01W01	FLDCT	A	00072	0.218	439	379	346	379	471
	141	69	177	20	B0001	126	01W01	FLDCT	A	00073	0.218	439	335	346	335	471
	141	70	161	20	B0001	126	01W01	FLDCT	A	00074	0.218	439	160	346	160	471
	141	71	177	20	B0001	126	01W01	FLDCT	A	00075	0.218	439	335	346	335	471
	141	72	132	20	B0001	126	01W01	FLDCT	A	00076	0.218	439	-157	346	-157	471
	141	73	191	20	B0001	126	01W01	FLDCT	A	00077	0.218	439	488	346	488	471
	141	74	196	20	B0001	126	01W01	FLDCT	A	00085	0.218	439	542	346	542	471
	141	75	172	20	B0001	126	01W01	FLDCT	A	00086	0.218	439	280	346	280	471
	141	148	81	20	B9999	126	01W01	FLDCT	A	00052	0.218	236	25	0	25	354
	141	149	67	20	B9999	126	01W01	FLDCT	A	00053	0.218	236	-127	0	-127	354
	141	150	80	20	B9999	126	01W01	FLDCT	A	00054	0.218	236	15	0	15	354
	141	151	102	20	B9999	126	01W01	FLDCT	A	00059	0.218	236	255	0	255	354
	141	152	96	20	B9999	126	01W01	FLDCT	A	00060	0.218	236	189	0	189	354
	141	153	85	20	B9999	126	01W01	FLDCT	A	00078	0.218	236	69	0	69	354
	141	154	102	20	B9999	126	01W01	FLDCT	A	00079	0.218	236	255	0	255	354
	141	155	73	20	B9999	126	01W01	FLDCT	A	00080	0.218	236	-62	0	-62	354
	141	156	87	20	B9999	126	01W01	FLDCT	A	00081	0.218	236	91	0	91	354
	141	157	95	20	B9999	126	01W01	FLDCT	A	00082	0.218	236	178	0	178	354
	141	158	89	20	B9999	126	01W01	FLDCT	A	00083	0.218	236	113	0	113	354
	141	159	107	20	B9999	126	01W01	FLDCT	A	00084	0.218	236	309	0	309	354
	141	76	163	20	B0001	126	01W01	FLDCT	B	00001	0.218	439	182	346	182	471
	141	77	185	20	B0001	126	01W01	FLDCT	B	00002	0.218	439	422	346	422	471
	141	78	153	20	B0001	126	01W01	FLDCT	B	00003	0.218	439	73	346	73	471
	141	79	147	20	B0001	126	01W01	FLDCT	B	00004	0.218	439	7	346	7	471
	141	80	205	20	B0001	126	01W01	FLDCT	B	00005	0.218	439	641	346	641	471
	141	81	230	20	B0001	126	01W01	FLDCT	B	00006	0.218	439	914	346	914	471
	141	82	214	20	B0001	126	01W01	FLDCT	B	00007	0.218	439	739	346	739	471
	141	83	177	20	B0001	126	01W01	FLDCT	B	00008	0.218	439	335	346	335	471
	141	84	161	20	B0001	126	01W01	FLDCT	B	00009	0.218	439	160	346	160	471
	141	85	196	20	B0001	126	01W01	FLDCT	B	00010	0.218	439	542	346	542	471
	141	86	169	20	B0001	126	01W01	FLDCT	B	00011	0.218	439	248	346	248	471
	141	87	175	20	B0001	126	01W01	FLDCT	B	00012	0.218	439	313	346	313	471
	141	88	192	20	B0001	126	01W01	FLDCT	B	00013	0.218	439	499	346	499	471
	141	89	171	20	B0001	126	01W01	FLDCT	B	00014	0.218	439	269	346	269	471
	141	90	178	20	B0001	126	01W01	FLDCT	B	00015	0.218	439	346	346	346	471
	141	91	185	20	B0001	126	01W01	FLDCT	B	00016	0.218	439	422	346	422	471
	141	92	206	20	B0001	126	01W01	FLDCT	B	00017	0.218	439	652	346	652	471
	141	93	183	20	B0001	126	01W01	FLDCT	B	00018	0.218	439	400	346	400	471

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 ($dpm/100cm^2$)
	141	94	186	20	B0001	126	01W01	FLDCT	B	00019	0.218	439	433	346	433	471
	141	95	158	20	B0001	126	01W01	FLDCT	B	00020	0.218	439	127	346	127	471
	141	96	174	20	B0001	126	01W01	FLDCT	B	00021	0.218	439	302	346	302	471
	141	97	154	20	B0001	126	01W01	FLDCT	B	00022	0.218	439	84	346	84	471
	141	98	179	20	B0001	126	01W01	FLDCT	B	00023	0.218	439	357	346	357	471
	141	99	175	20	B0001	126	01W01	FLDCT	B	00024	0.218	439	313	346	313	471
	141	100	174	20	B0001	126	01W01	FLDCT	B	00025	0.218	439	302	346	302	471
	141	101	183	20	B0001	126	01W01	FLDCT	B	00026	0.218	439	400	346	400	471
	141	102	197	20	B0001	126	01W01	FLDCT	B	00027	0.218	439	553	346	553	471
	141	103	182	20	B0001	126	01W01	FLDCT	B	00028	0.218	439	390	346	390	471
	141	104	178	20	B0001	126	01W01	FLDCT	B	00029	0.218	439	346	346	346	471
	141	105	196	20	B0001	126	01W01	FLDCT	B	00030	0.218	439	542	346	542	471
	141	106	204	20	B0001	126	01W01	FLDCT	B	00031	0.218	439	630	346	630	471
	141	107	178	20	B0001	126	01W01	FLDCT	B	00032	0.218	439	346	346	346	471
	141	108	171	20	B0001	126	01W01	FLDCT	B	00033	0.218	439	269	346	269	471
	141	109	161	20	B0001	126	01W01	FLDCT	B	00034	0.218	439	160	346	160	471
	141	110	167	20	B0001	126	01W01	FLDCT	B	00035	0.218	439	226	346	226	471
	141	111	160	20	B0001	126	01W01	FLDCT	B	00036	0.218	439	149	346	149	471
	141	112	165	20	B0001	126	01W01	FLDCT	B	00037	0.218	439	204	346	204	471
	141	113	180	20	B0001	126	01W01	FLDCT	B	00038	0.218	439	368	346	368	471
	141	114	206	20	B0001	126	01W01	FLDCT	B	00039	0.218	439	652	346	652	471
	141	115	174	20	B0001	126	01W01	FLDCT	B	00040	0.218	439	302	346	302	471
	141	116	198	20	B0001	126	01W01	FLDCT	B	00041	0.218	439	564	346	564	471
	141	117	188	20	B0001	126	01W01	FLDCT	B	00042	0.218	439	455	346	455	471
	141	118	178	20	B0001	126	01W01	FLDCT	B	00043	0.218	439	346	346	346	471
	141	119	169	20	B0001	126	01W01	FLDCT	B	00044	0.218	439	248	346	248	471
	141	120	184	20	B0001	126	01W01	FLDCT	B	00045	0.218	439	411	346	411	471
	141	121	176	20	B0001	126	01W01	FLDCT	B	00046	0.218	439	324	346	324	471
	141	122	171	20	B0001	126	01W01	FLDCT	B	00047	0.218	439	269	346	269	471
	141	123	184	20	B0001	126	01W01	FLDCT	B	00051	0.218	439	411	346	411	471
	141	124	149	20	B0001	126	01W01	FLDCT	B	00055	0.218	439	29	346	29	471
	141	125	161	20	B0001	126	01W01	FLDCT	B	00056	0.218	439	160	346	160	471
	141	126	156	20	B0001	126	01W01	FLDCT	B	00057	0.218	439	106	346	106	471
	141	127	139	20	B0001	126	01W01	FLDCT	B	00058	0.218	439	-80	346	-80	471
	141	128	179	20	B0001	126	01W01	FLDCT	B	00061	0.218	439	357	346	357	471
	141	129	211	20	B0001	126	01W01	FLDCT	B	00062	0.218	439	706	346	706	471
	141	130	187	20	B0001	126	01W01	FLDCT	B	00063	0.218	439	444	346	444	471
	141	131	159	20	B0001	126	01W01	FLDCT	B	00064	0.218	439	138	346	138	471
	141	132	181	20	B0001	126	01W01	FLDCT	B	00065	0.218	439	379	346	379	471
	141	133	165	20	B0001	126	01W01	FLDCT	B	00066	0.218	439	204	346	204	471
	141	134	176	20	B0001	126	01W01	FLDCT	B	00067	0.218	439	324	346	324	471
	141	135	173	20	B0001	126	01W01	FLDCT	B	00068	0.218	439	291	346	291	471
	141	136	211	20	B0001	126	01W01	FLDCT	B	00069	0.218	439	706	346	706	471
	141	137	203	20	B0001	126	01W01	FLDCT	B	00070	0.218	439	619	346	619	471
	141	138	202	20	B0001	126	01W01	FLDCT	B	00071	0.218	439	608	346	608	471
	141	139	186	20	B0001	126	01W01	FLDCT	B	00072	0.218	439	433	346	433	471
	141	140	169	20	B0001	126	01W01	FLDCT	B	00073	0.218	439	248	346	248	471
	141	141	186	20	B0001	126	01W01	FLDCT	B	00074	0.218	439	433	346	433	471
	141	142	165	20	B0001	126	01W01	FLDCT	B	00075	0.218	439	204	346	204	471
	141	143	202	20	B0001	126	01W01	FLDCT	B	00076	0.218	439	608	346	608	471
	141	144	206	20	B0001	126	01W01	FLDCT	B	00077	0.218	439	652	346	652	471
	141	145	184	20	B0001	126	01W01	FLDCT	B	00085	0.218	439	411	346	411	471
	141	146	197	20	B0001	126	01W01	FLDCT	B	00086	0.218	439	553	346	553	471
	141	160	97	20	B9999	126	01W01	FLDCT	B	00052	0.218	236	200	0	200	354

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)
	141	161	83	20	B9999	126	01W01	FLDCT	B	00053	0.218	236	47	0	47	354
	141	162	67	20	B9999	126	01W01	FLDCT	B	00054	0.218	236	-127	0	-127	354
	141	163	101	20	B9999	126	01W01	FLDCT	B	00059	0.218	236	244	0	244	354
	141	164	113	20	B9999	126	01W01	FLDCT	B	00060	0.218	236	375	0	375	354
	141	165	90	20	B9999	126	01W01	FLDCT	B	00078	0.218	236	124	0	124	354
	141	166	96	20	B9999	126	01W01	FLDCT	B	00079	0.218	236	189	0	189	354
	141	167	94	20	B9999	126	01W01	FLDCT	B	00080	0.218	236	167	0	167	354
	141	168	92	20	B9999	126	01W01	FLDCT	B	00081	0.218	236	146	0	146	354
	141	169	85	20	B9999	126	01W01	FLDCT	B	00082	0.218	236	69	0	69	354
	141	170	91	20	B9999	126	01W01	FLDCT	B	00083	0.218	236	135	0	135	354
	141	171	100	20	B9999	126	01W01	FLDCT	B	00084	0.218	236	233	0	233	354
01W02	141	224	210	20	B0001	126	01W02	FLDCT	A	00001	0.218	324	1115	346	1115	409
	141	225	141	20	B0001	126	01W02	FLDCT	A	00002	0.218	324	362	346	362	409
	141	226	101	20	B0001	126	01W02	FLDCT	A	00003	0.218	324	-75	346	-75	409
	141	227	126	20	B0001	126	01W02	FLDCT	A	00004	0.218	324	198	346	198	409
	141	228	124	20	B0001	126	01W02	FLDCT	A	00005	0.218	324	176	346	176	409
	141	229	197	20	B0001	126	01W02	FLDCT	B	00001	0.218	324	973	346	973	409
	141	230	127	20	B0001	126	01W02	FLDCT	B	00002	0.218	324	209	346	209	409
	141	231	111	20	B0001	126	01W02	FLDCT	B	00003	0.218	324	34	346	34	409
	141	232	105	20	B0001	126	01W02	FLDCT	B	00004	0.218	324	-31	346	-31	409
	141	233	115	20	B0001	126	01W02	FLDCT	B	00005	0.218	324	78	346	78	409
01W03	141	254	89	20	B9999	126	01W03	FLDCT	A	00001	0.218	330	-229	0	-229	413
	141	255	137	20	B9999	126	01W03	FLDCT	A	00002	0.218	330	295	0	295	413
	141	256	121	20	B9999	126	01W03	FLDCT	A	00004	0.218	330	120	0	120	413
	141	257	102	20	B9999	126	01W03	FLDCT	A	00005	0.218	330	-87	0	-87	413
	141	258	105	20	B9999	126	01W03	FLDCT	B	00005	0.218	330	-55	0	-55	413
	141	259	124	20	B9999	126	01W03	FLDCT	B	00004	0.218	330	153	0	153	413
	141	260	114	20	B9999	126	01W03	FLDCT	B	00003	0.218	330	44	0	44	413
	141	261	127	20	B9999	126	01W03	FLDCT	B	00002	0.218	330	186	0	186	413

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 ($dpm/100cm^2$)
	141	262	110	20	B9999	126	01W03	FLDCT	B	00001	0.218	330	0	0	0	413
01W04	141	234	127	20	B0001	126	01W04	FLDCT	A	00001	0.218	324	209	346	209	409
	141	235	148	20	B0001	126	01W04	FLDCT	A	00002	0.218	324	438	346	438	409
	141	236	113	20	B0001	126	01W04	FLDCT	A	00003	0.218	324	56	346	56	409
	141	237	105	20	B0001	126	01W04	FLDCT	A	00004	0.218	324	-31	346	-31	409
	141	238	142	20	B0001	126	01W04	FLDCT	A	00005	0.218	324	373	346	373	409
	141	239	119	20	B0001	126	01W04	FLDCT	B	00001	0.218	324	122	346	122	409
	141	240	123	20	B0001	126	01W04	FLDCT	B	00002	0.218	324	165	346	165	409
	141	241	100	20	B0001	126	01W04	FLDCT	B	00003	0.218	324	-86	346	-86	409
	141	242	134	20	B0001	126	01W04	FLDCT	B	00004	0.218	324	285	346	285	409
	141	243	144	20	B0001	126	01W04	FLDCT	B	00005	0.218	324	395	346	395	409
01W05	141	244	215	20	B0001	126	01W05	FLDCT	A	00001	0.218	473	627	346	627	488
	141	245	182	20	B0001	126	01W05	FLDCT	A	00002	0.218	473	267	346	267	488
	141	246	177	20	B0001	126	01W05	FLDCT	A	00003	0.218	473	212	346	212	488
	141	247	164	20	B0001	126	01W05	FLDCT	A	00004	0.218	473	70	346	70	488
	141	248	198	20	B0001	126	01W05	FLDCT	B	00001	0.218	473	442	346	442	488
	141	249	181	20	B0001	126	01W05	FLDCT	B	00002	0.218	473	256	346	256	488
	141	250	157	20	B0001	126	01W05	FLDCT	B	00003	0.218	473	-6	346	-6	488
	141	251	174	20	B0001	126	01W05	FLDCT	B	00004	0.218	473	179	346	179	488
02W01	95	17	102	20	B9999	126	02W01	FLDCT	A	00001	0.213	252	201	0	201	373
	95	18	106	20	B9999	126	02W01	FLDCT	A	00002	0.213	252	246	0	246	373
	95	19	108	20	B9999	126	02W01	FLDCT	A	00003	0.213	252	268	0	268	373
	95	20	76	20	B9999	126	02W01	FLDCT	B	00001	0.213	252	-89	0	-89	373
	95	21	95	20	B9999	126	02W01	FLDCT	B	00002	0.213	252	123	0	123	373
	95	22	89	20	B9999	126	02W01	FLDCT	B	00003	0.213	252	56	0	56	373

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 ($dpm/100cm^2$)
02W02	95	23	127	20	B9999	126	02W02	FLDCT	A	00001	0.213	252	481	0	481	373
	95	24	138	20	B9999	126	02W02	FLDCT	A	00002	0.213	252	604	0	604	373
	95	25	132	20	B9999	126	02W02	FLDCT	A	00003	0.213	252	537	0	537	373
	95	26	86	20	B9999	126	02W02	FLDCT	A	00004	0.213	252	22	0	22	373
	95	27	98	20	B9999	126	02W02	FLDCT	B	00001	0.213	252	156	0	156	373
	95	28	112	20	B9999	126	02W02	FLDCT	B	00002	0.213	252	313	0	313	373
	95	29	95	20	B9999	126	02W02	FLDCT	B	00003	0.213	252	123	0	123	373
	95	30	100	20	B9999	126	02W02	FLDCT	B	00004	0.213	252	179	0	179	373
02W03	95	31	99	20	B9999	126	02W03	FLDCT	A	00001	0.213	252	168	0	168	373
	95	32	120	20	B9999	126	02W03	FLDCT	A	00003	0.213	252	402	0	402	373
	95	33	113	20	B9999	126	02W03	FLDCT	B	00001	0.213	252	324	0	324	373
	95	34	105	20	B9999	126	02W03	FLDCT	B	00003	0.213	252	235	0	235	373
02W04	95	35	104	20	B9999	126	02W04	FLDCT	A	00001	0.213	252	224	0	224	373
	95	36	100	20	B9999	126	02W04	FLDCT	A	00002	0.213	252	179	0	179	373
	95	37	119	20	B9999	126	02W04	FLDCT	A	00003	0.213	252	391	0	391	373
	95	38	108	20	B9999	126	02W04	FLDCT	A	00004	0.213	252	268	0	268	373
	95	39	89	20	B9999	126	02W04	FLDCT	B	00001	0.213	252	56	0	56	373
	95	40	116	20	B9999	126	02W04	FLDCT	B	00002	0.213	252	358	0	358	373
	95	41	102	20	B9999	126	02W04	FLDCT	B	00003	0.213	252	201	0	201	373
	95	42	85	20	B9999	126	02W04	FLDCT	B	00004	0.213	252	11	0	11	373
03W01	96	19	113	20	B9999	126	03W01	FLDCT	A	00001	0.213	383	-164	0	-164	453

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 ($dpm/100cm^2$)
	96	20	99	20	B9999	126	03W01	FLDCT	A	00002	0.213	383	-320	0	-320	453
	96	21	118	20	B9999	126	03W01	FLDCT	A	00003	0.213	383	-108	0	-108	453
	96	22	114	20	B9999	126	03W01	FLDCT	A	00004	0.213	383	-153	0	-153	453
	96	23	110	20	B9999	126	03W01	FLDCT	A	00005	0.213	383	-197	0	-197	453
	96	24	90	20	B9999	126	03W01	FLDCT	A	00006	0.213	383	-421	0	-421	453
	96	25	94	20	B9999	126	03W01	FLDCT	A	00007	0.213	383	-376	0	-376	453
	96	26	121	20	B9999	126	03W01	FLDCT	A	00008	0.213	383	-75	0	-75	453
	96	27	98	20	B9999	126	03W01	FLDCT	A	00009	0.213	383	-332	0	-332	453
	96	28	111	20	B9999	126	03W01	FLDCT	A	00010	0.213	383	-186	0	-186	453
	96	29	113	20	B9999	126	03W01	FLDCT	B	00001	0.213	383	-164	0	-164	453
	96	30	114	20	B9999	126	03W01	FLDCT	B	00002	0.213	383	-153	0	-153	453
	96	31	106	20	B9999	126	03W01	FLDCT	B	00003	0.213	383	-242	0	-242	453
	96	32	133	20	B9999	126	03W01	FLDCT	B	00004	0.213	383	60	0	60	453
	96	33	111	20	B9999	126	03W01	FLDCT	B	00005	0.213	383	-186	0	-186	453
	96	34	119	20	B9999	126	03W01	FLDCT	B	00006	0.213	383	-97	0	-97	453
	96	35	127	20	B9999	126	03W01	FLDCT	B	00007	0.213	383	-7	0	-7	453
	96	36	109	20	B9999	126	03W01	FLDCT	B	00008	0.213	383	-209	0	-209	453
	96	37	94	20	B9999	126	03W01	FLDCT	B	00009	0.213	383	-376	0	-376	453
	96	38	99	20	B9999	126	03W01	FLDCT	B	00010	0.213	383	-320	0	-320	453
01EQ1	143	29	167	20	B9999	126	01EQ1	FLDCT	ZZZZZ	00001	0.216	427	272	0	272	470
	143	30	150	20	B9999	126	01EQ1	FLDCT	ZZZZZ	00002	0.216	427	84	0	84	470
	143	31	130	20	B9999	126	01EQ1	FLDCT	ZZZZZ	00003	0.216	427	-136	0	-136	470
	143	32	144	20	B9999	126	01EQ1	FLDCT	ZZZZZ	00004	0.216	427	18	0	18	470
	143	34	163	20	B9999	126	01EQ1	FLDCT	ZZZZZ	00005	0.216	427	227	0	227	470
01EQ2	143	35	160	20	B9999	126	01EQ2	FLDCT	ZZZZZ	00001	0.216	427	194	0	194	470
	143	36	177	20	B9999	126	01EQ2	FLDCT	ZZZZZ	00002	0.216	427	382	0	382	470
	143	37	144	20	B9999	126	01EQ2	FLDCT	ZZZZZ	00003	0.216	427	18	0	18	470
	143	38	152	20	B9999	126	01EQ2	FLDCT	ZZZZZ	00004	0.216	427	106	0	106	470
	143	39	178	20	B9999	126	01EQ2	FLDCT	ZZZZZ	00005	0.216	427	393	0	393	470

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 ($dpm/100cm^2$)
01EQ3	143	40	188	20	B9999	126	01EQ3	FLDCT	ZZZZZ	00001	0.216	427	503	0	503	470
	143	41	118	20	B9999	126	01EQ3	FLDCT	ZZZZZ	00002	0.216	427	-269	0	-269	470
	143	42	120	20	B9999	126	01EQ3	FLDCT	ZZZZZ	00003	0.216	427	-247	0	-247	470
	143	43	127	20	B9999	126	01EQ3	FLDCT	ZZZZZ	00004	0.216	427	-169	0	-169	470
	143	44	179	20	B9999	126	01EQ3	FLDCT	ZZZZZ	00005	0.216	427	404	0	404	470
01EQ4	143	45	208	20	B9999	126	01EQ4	FLDCT	ZZZZZ	00001	0.216	427	723	0	723	470
	143	46	182	20	B9999	126	01EQ4	FLDCT	ZZZZZ	00002	0.216	427	437	0	437	470
	143	47	144	20	B9999	126	01EQ4	FLDCT	ZZZZZ	00003	0.216	427	18	0	18	470
	143	48	163	20	B9999	126	01EQ4	FLDCT	ZZZZZ	00004	0.216	427	227	0	227	470
	143	49	234	20	B9999	126	01EQ4	FLDCT	ZZZZZ	00005	0.216	427	1010	0	1010	470
01EQ5	191	5	123	20	B9999	126	01EQ5	FLDCT	ZZZZZ	00001	0.209	333	137	0	137	432
	191	6	141	20	B9999	126	01EQ5	FLDCT	ZZZZZ	00002	0.209	333	342	0	342	432
	191	7	90	20	B9999	126	01EQ5	FLDCT	ZZZZZ	00003	0.209	333	-239	0	-239	432
	191	8	122	20	B9999	126	01EQ5	FLDCT	ZZZZZ	00004	0.209	333	125	0	125	432
	191	9	128	20	B9999	126	01EQ5	FLDCT	ZZZZZ	00005	0.209	333	194	0	194	432
	191	10	124	20	B9999	126	01EQ5	FLDCT	ZZZZZ	00006	0.209	333	148	0	148	432
	191	11	91	20	B9999	126	01EQ5	FLDCT	ZZZZZ	00007	0.209	333	-228	0	-228	432
	191	12	112	20	B9999	126	01EQ5	FLDCT	ZZZZZ	00008	0.209	333	11	0	11	432
	191	13	106	20	B9999	126	01EQ5	FLDCT	ZZZZZ	00009	0.209	333	-57	0	-57	432
	191	14	96	20	B9999	126	01EQ5	FLDCT	ZZZZZ	00010	0.209	333	-171	0	-171	432
	191	15	78	20	B9999	126	01EQ5	FLDCT	ZZZZZ	00011	0.209	333	-376	0	-376	432
	191	16	109	20	B9999	126	01EQ5	FLDCT	ZZZZZ	00012	0.209	333	-23	0	-23	432
	191	17	107	20	B9999	126	01EQ5	FLDCT	ZZZZZ	00013	0.209	333	-46	0	-46	432
	191	18	144	20	B9999	126	01EQ5	FLDCT	ZZZZZ	00014	0.209	333	376	0	376	432
01P01	146	5	58	20	B9999	126	01P01	FLDCT	ZZZZZ	00001	0.177	151	103	0	103	356
	146	6	48	20	B9999	126	01P01	FLDCT	ZZZZZ	00002	0.177	151	-31	0	-31	356
	146	7	48	20	B9999	126	01P01	FLDCT	ZZZZZ	00003	0.177	151	-31	0	-31	356
	146	8	51	20	B9999	126	01P01	FLDCT	ZZZZZ	00004	0.177	151	9	0	9	356

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)
	146	9	58	20	B9999	126	01P01	FLDCT	ZZZZZ	00005	0.177	151	103	0	103	356
	146	10	69	20	B9999	126	01P01	FLDCT	ZZZZZ	00006	0.177	151	251	0	251	356
	146	11	69	20	B9999	126	01P01	FLDCT	ZZZZZ	00007	0.177	151	251	0	251	356
	146	12	68	20	B9999	126	01P01	FLDCT	ZZZZZ	00008	0.177	151	238	0	238	356
	146	13	77	20	B9999	126	01P01	FLDCT	ZZZZZ	00009	0.177	151	359	0	359	356
	146	14	150	20	B9999	126	01P01	FLDCT	ZZZZZ	00010	0.177	151	1341	0	1341	356
01P02	142	49	30	60	B9999	15.5	01P02	FLDCT	ZZZZZ	00001	0.107	30	0	0	0	1303
	142	50	39	60	B9999	15.5	01P02	FLDCT	ZZZZZ	00002	0.107	30	543	0	543	1303
	142	51	30	60	B9999	15.5	01P02	FLDCT	ZZZZZ	00003	0.107	30	0	0	0	1303
	142	52	16	60	B9999	15.5	01P02	FLDCT	ZZZZZ	00004	0.107	30	-844	0	-844	1303
	142	53	27	60	B9999	15.5	01P02	FLDCT	ZZZZZ	00005	0.107	30	-181	0	-181	1303
01P03	142	44	36	60	B9999	15.5	01P03	FLDCT	ZZZZZ	00001	0.107	30	362	0	362	1303
	142	45	44	60	B9999	15.5	01P03	FLDCT	ZZZZZ	00002	0.107	30	844	0	844	1303
	142	46	35	60	B9999	15.5	01P03	FLDCT	ZZZZZ	00003	0.107	30	301	0	301	1303
	142	47	30	60	B9999	15.5	01P03	FLDCT	ZZZZZ	00004	0.107	30	0	0	0	1303
	142	48	42	60	B9999	15.5	01P03	FLDCT	ZZZZZ	00005	0.107	30	724	0	724	1303
01S01	143	52	169	20	B9999	126	01S01	FLDCT	ZZZZZ	00001	0.216	404	379	0	379	458
	143	53	142	20	B9999	126	01S01	FLDCT	ZZZZZ	00002	0.216	404	82	0	82	458
	143	54	209	20	B9999	126	01S01	FLDCT	ZZZZZ	00003	0.216	404	820	0	820	458
	143	55	150	20	B9999	126	01S01	FLDCT	ZZZZZ	00004	0.216	404	170	0	170	458
	143	56	140	20	B9999	126	01S01	FLDCT	ZZZZZ	00005	0.216	404	60	0	60	458
	143	57	156	20	B9999	126	01S01	FLDCT	ZZZZZ	00006	0.216	404	236	0	236	458
	143	58	146	20	B9999	126	01S01	FLDCT	ZZZZZ	00007	0.216	404	126	0	126	458
	143	59	137	20	B9999	126	01S01	FLDCT	ZZZZZ	00008	0.216	404	26	0	26	458

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 ($dpm/100cm^2$)
	143	60	143	20	B9999	126	01S01	FLDCT	ZZZZZ	00009	0.216	404	93	0	93	458
	143	61	140	20	B9999	126	01S01	FLDCT	ZZZZZ	00010	0.216	404	60	0	60	458
	143	62	149	20	B9999	126	01S01	FLDCT	ZZZZZ	00011	0.216	404	159	0	159	458
	143	63	146	20	B9999	126	01S01	FLDCT	ZZZZZ	00012	0.216	404	126	0	126	458
	143	64	132	20	B9999	126	01S01	FLDCT	ZZZZZ	00013	0.216	404	-29	0	-29	458
	143	65	141	20	B9999	126	01S01	FLDCT	ZZZZZ	00014	0.216	404	71	0	71	458
	143	66	121	20	B9999	126	01S01	FLDCT	ZZZZZ	00015	0.216	404	-150	0	-150	458
	143	67	143	20	B9999	126	01S01	FLDCT	ZZZZZ	00016	0.216	404	93	0	93	458
	143	68	155	20	B9999	126	01S01	FLDCT	ZZZZZ	00017	0.216	404	225	0	225	458
	143	69	165	20	B9999	126	01S01	FLDCT	ZZZZZ	00018	0.216	404	335	0	335	458
	143	70	149	20	B9999	126	01S01	FLDCT	ZZZZZ	00019	0.216	404	159	0	159	458
	143	71	170	20	B9999	126	01S01	FLDCT	ZZZZZ	00020	0.216	404	390	0	390	458
	143	72	133	20	B9999	126	01S01	FLDCT	ZZZZZ	00021	0.216	404	-18	0	-18	458
	143	73	175	20	B9999	126	01S01	FLDCT	ZZZZZ	00022	0.216	404	445	0	445	458
	143	74	148	20	B9999	126	01S01	FLDCT	ZZZZZ	00023	0.216	404	148	0	148	458
	143	75	170	20	B9999	126	01S01	FLDCT	ZZZZZ	00024	0.216	404	390	0	390	458
	143	76	132	20	B9999	126	01S01	FLDCT	ZZZZZ	00025	0.216	404	-29	0	-29	458
	143	77	148	20	B9999	126	01S01	FLDCT	ZZZZZ	00026	0.216	404	148	0	148	458
	143	78	159	20	B9999	126	01S01	FLDCT	ZZZZZ	00027	0.216	404	269	0	269	458
	143	79	166	20	B9999	126	01S01	FLDCT	ZZZZZ	00028	0.216	404	346	0	346	458
	143	80	153	20	B9999	126	01S01	FLDCT	ZZZZZ	00029	0.216	404	203	0	203	458
	143	81	147	20	B9999	126	01S01	FLDCT	ZZZZZ	00030	0.216	404	137	0	137	458
01S02	199	5	119	20	B9999	126	01S02	FLDCT	ZZZZZ	00001	0.214	321	134	0	134	415
	199	6	97	20	B9999	126	01S02	FLDCT	ZZZZZ	00002	0.214	321	-111	0	-111	415
	199	7	96	20	B9999	126	01S02	FLDCT	ZZZZZ	00003	0.214	321	-122	0	-122	415
	199	8	112	20	B9999	126	01S02	FLDCT	ZZZZZ	00004	0.214	321	56	0	56	415
	199	9	116	20	B9999	126	01S02	FLDCT	ZZZZZ	00005	0.214	321	100	0	100	415
	199	10	137	20	B9999	126	01S02	FLDCT	ZZZZZ	00006	0.214	321	334	0	334	415
	199	11	129	20	B9999	126	01S02	FLDCT	ZZZZZ	00007	0.214	321	245	0	245	415
	199	12	104	20	B9999	126	01S02	FLDCT	ZZZZZ	00008	0.214	321	-33	0	-33	415
	199	13	103	20	B9999	126	01S02	FLDCT	ZZZZZ	00009	0.214	321	-45	0	-45	415
	199	14	77	20	B9999	126	01S02	FLDCT	ZZZZZ	00010	0.214	321	-334	0	-334	415
	199	15	108	20	B9999	126	01S02	FLDCT	ZZZZZ	00011	0.214	321	11	0	11	415
	199	16	117	20	B9999	126	01S02	FLDCT	ZZZZZ	00012	0.214	321	111	0	111	415
	199	17	77	20	B9999	126	01S02	FLDCT	ZZZZZ	00013	0.214	321	-334	0	-334	415
	199	18	97	20	B9999	126	01S02	FLDCT	ZZZZZ	00014	0.214	321	-111	0	-111	415
	199	19	114	20	B9999	126	01S02	FLDCT	ZZZZZ	00015	0.214	321	78	0	78	415
	199	20	104	20	B9999	126	01S02	FLDCT	ZZZZZ	00016	0.214	321	-33	0	-33	415
	199	21	120	20	B9999	126	01S02	FLDCT	ZZZZZ	00017	0.214	321	145	0	145	415
	199	22	119	20	B9999	126	01S02	FLDCT	ZZZZZ	00018	0.214	321	134	0	134	415
	199	23	116	20	B9999	126	01S02	FLDCT	ZZZZZ	00019	0.214	321	100	0	100	415
	199	24	125	20	B9999	126	01S02	FLDCT	ZZZZZ	00020	0.214	321	200	0	200	415
	199	25	112	20	B9999	126	01S02	FLDCT	ZZZZZ	00021	0.214	321	56	0	56	415
	199	26	125	20	B9999	126	01S02	FLDCT	ZZZZZ	00022	0.214	321	200	0	200	415
	199	27	112	20	B9999	126	01S02	FLDCT	ZZZZZ	00023	0.214	321	56	0	56	415
	199	28	114	20	B9999	126	01S02	FLDCT	ZZZZZ	00024	0.214	321	78	0	78	415
	199	29	106	20	B9999	126	01S02	FLDCT	ZZZZZ	00025	0.214	321	-11	0	-11	415
	199	30	89	20	B9999	126	01S02	FLDCT	ZZZZZ	00026	0.214	321	-200	0	-200	415
	199	31	96	20	B9999	126	01S02	FLDCT	ZZZZZ	00027	0.214	321	-122	0	-122	415
	199	32	74	20	B9999	126	01S02	FLDCT	ZZZZZ	00028	0.214	321	-367	0	-367	415
	199	33	62	20	B9999	126	01S02	FLDCT	ZZZZZ	00029	0.214	321	-501	0	-501	415
	199	34	88	20	B9999	126	01S02	FLDCT	ZZZZZ	00030	0.214	321	-211	0	-211	415

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)
	199	35	89	20	B9999	126	01S02	FLDCT	ZZZZZ	00031	0.214	321	-200	0	-200	415
	199	36	81	20	B9999	126	01S02	FLDCT	ZZZZZ	00032	0.214	321	-289	0	-289	415
	199	37	100	20	B9999	126	01S02	FLDCT	ZZZZZ	00033	0.214	321	-78	0	-78	415
	199	38	78	20	B9999	126	01S02	FLDCT	ZZZZZ	00034	0.214	321	-323	0	-323	415
	199	39	74	20	B9999	126	01S02	FLDCT	ZZZZZ	00035	0.214	321	-367	0	-367	415
	199	40	63	20	B9999	126	01S02	FLDCT	ZZZZZ	00036	0.214	321	-490	0	-490	415
	199	41	73	20	B9999	126	01S02	FLDCT	ZZZZZ	00037	0.214	321	-378	0	-378	415
	199	42	63	20	B9999	126	01S02	FLDCT	ZZZZZ	00038	0.214	321	-490	0	-490	415
	199	43	83	20	B9999	126	01S02	FLDCT	ZZZZZ	00039	0.214	321	-267	0	-267	415
	199	44	86	20	B9999	126	01S02	FLDCT	ZZZZZ	00040	0.214	321	-234	0	-234	415
	199	45	103	20	B9999	126	01S02	FLDCT	ZZZZZ	00041	0.214	321	-45	0	-45	415
	199	46	130	20	B9999	126	01S02	FLDCT	ZZZZZ	00042	0.214	321	256	0	256	415
01S03	198	5	166	20	B9999	126	01S03	FLDCT	ZZZZZ	00001	0.222	429	247	0	247	458
	198	6	179	20	B9999	126	01S03	FLDCT	ZZZZZ	00002	0.222	429	386	0	386	458
	198	7	195	20	B9999	126	01S03	FLDCT	ZZZZZ	00003	0.222	429	558	0	558	458
	198	8	187	20	B9999	126	01S03	FLDCT	ZZZZZ	00004	0.222	429	472	0	472	458
	198	9	184	20	B9999	126	01S03	FLDCT	ZZZZZ	00005	0.222	429	440	0	440	458
	198	10	160	20	B9999	126	01S03	FLDCT	ZZZZZ	00006	0.222	429	182	0	182	458
	198	11	161	20	B9999	126	01S03	FLDCT	ZZZZZ	00007	0.222	429	193	0	193	458
	198	12	144	20	B9999	126	01S03	FLDCT	ZZZZZ	00008	0.222	429	11	0	11	458
	198	13	159	20	B9999	126	01S03	FLDCT	ZZZZZ	00009	0.222	429	172	0	172	458
	198	14	160	20	B9999	126	01S03	FLDCT	ZZZZZ	00010	0.222	429	182	0	182	458
	198	15	166	20	B9999	126	01S03	FLDCT	ZZZZZ	00011	0.222	429	247	0	247	458
	198	16	158	20	B9999	126	01S03	FLDCT	ZZZZZ	00012	0.222	429	161	0	161	458
	198	17	144	20	B9999	126	01S03	FLDCT	ZZZZZ	00013	0.222	429	11	0	11	458
	198	18	130	20	B9999	126	01S03	FLDCT	ZZZZZ	00014	0.222	429	-139	0	-139	458
	198	19	126	20	B9999	126	01S03	FLDCT	ZZZZZ	00015	0.222	429	-182	0	-182	458
	198	20	141	20	B9999	126	01S03	FLDCT	ZZZZZ	00016	0.222	429	-21	0	-21	458
	198	21	225	20	B9999	126	01S03	FLDCT	ZZZZZ	00017	0.222	429	879	0	879	458
	198	22	158	20	B9999	126	01S03	FLDCT	ZZZZZ	00018	0.222	429	161	0	161	458
	198	23	153	20	B9999	126	01S03	FLDCT	ZZZZZ	00019	0.222	429	107	0	107	458
	198	24	117	20	B9999	126	01S03	FLDCT	ZZZZZ	00020	0.222	429	-279	0	-279	458
	198	25	147	20	B9999	126	01S03	FLDCT	ZZZZZ	00021	0.222	429	43	0	43	458
	198	26	127	20	B9999	126	01S03	FLDCT	ZZZZZ	00022	0.222	429	-172	0	-172	458
	198	27	176	20	B9999	126	01S03	FLDCT	ZZZZZ	00023	0.222	429	354	0	354	458
	198	28	160	20	B9999	126	01S03	FLDCT	ZZZZZ	00024	0.222	429	182	0	182	458
	198	29	128	20	B9999	126	01S03	FLDCT	ZZZZZ	00025	0.222	429	-161	0	-161	458
	198	30	178	20	B9999	126	01S03	FLDCT	ZZZZZ	00026	0.222	429	375	0	375	458
	198	31	170	20	B9999	126	01S03	FLDCT	ZZZZZ	00027	0.222	429	290	0	290	458
	198	32	153	20	B9999	126	01S03	FLDCT	ZZZZZ	00028	0.222	429	107	0	107	458
	198	33	165	20	B9999	126	01S03	FLDCT	ZZZZZ	00029	0.222	429	236	0	236	458
	198	34	148	20	B9999	126	01S03	FLDCT	ZZZZZ	00030	0.222	429	54	0	54	458
	198	35	119	20	B9999	126	01S03	FLDCT	ZZZZZ	00031	0.222	429	-257	0	-257	458
	198	36	166	20	B9999	126	01S03	FLDCT	ZZZZZ	00032	0.222	429	247	0	247	458
	198	37	153	20	B9999	126	01S03	FLDCT	ZZZZZ	00033	0.222	429	107	0	107	458
	198	38	143	20	B9999	126	01S03	FLDCT	ZZZZZ	00034	0.222	429	0	0	0	458
	198	39	142	20	B9999	126	01S03	FLDCT	ZZZZZ	00035	0.222	429	-11	0	-11	458
	198	40	134	20	B9999	126	01S03	FLDCT	ZZZZZ	00036	0.222	429	-97	0	-97	458
	198	41	151	20	B9999	126	01S03	FLDCT	ZZZZZ	00037	0.222	429	86	0	86	458
	198	42	132	20	B9999	126	01S03	FLDCT	ZZZZZ	00038	0.222	429	-118	0	-118	458
	198	43	148	20	B9999	126	01S03	FLDCT	ZZZZZ	00039	0.222	429	54	0	54	458

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)
	198	44	121	20	B9999	126	01S03	FLDCT	ZZZZZ	00040	0.222	429	-236	0	-236	458
	198	45	119	20	B9999	126	01S03	FLDCT	ZZZZZ	00041	0.222	429	-257	0	-257	458
	198	46	126	20	B9999	126	01S03	FLDCT	ZZZZZ	00042	0.222	429	-182	0	-182	458
	198	47	130	20	B9999	126	01S03	FLDCT	ZZZZZ	00043	0.222	429	-139	0	-139	458
	198	48	112	20	B9999	126	01S03	FLDCT	ZZZZZ	00044	0.222	429	-332	0	-332	458
	198	49	129	20	B9999	126	01S03	FLDCT	ZZZZZ	00045	0.222	429	-150	0	-150	458
	199	49	149	20	B9999	126	01S03	FLDCT	ZZZZZ	00061	0.214	405	156	0	156	462
	198	50	113	20	B9999	126	01S03	FLDCT	ZZZZZ	00046	0.222	429	-322	0	-322	458
	199	50	161	20	B9999	126	01S03	FLDCT	ZZZZZ	00062	0.222	429	193	0	193	458
	198	51	94	20	B9999	126	01S03	FLDCT	ZZZZZ	00047	0.222	429	-526	0	-526	458
	199	51	162	20	B9999	126	01S03	FLDCT	ZZZZZ	00063	0.214	405	300	0	300	462
	198	52	118	20	B9999	126	01S03	FLDCT	ZZZZZ	00048	0.222	429	-268	0	-268	458
	199	52	156	20	B9999	126	01S03	FLDCT	ZZZZZ	00064	0.214	405	234	0	234	462
	198	53	99	20	B9999	126	01S03	FLDCT	ZZZZZ	00049	0.222	429	-401	0	-401	458
	199	53	132	20	B9999	126	01S03	FLDCT	ZZZZZ	00065	0.214	405	-33	0	-33	462
	198	54	90	20	B9999	126	01S03	FLDCT	ZZZZZ	00050	0.222	429	-568	0	-568	458
	198	55	114	20	B9999	126	01S03	FLDCT	ZZZZZ	00051	0.222	429	-311	0	-311	458
	198	56	151	20	B9999	126	01S03	FLDCT	ZZZZZ	00052	0.222	429	86	0	86	458
	198	57	127	20	B9999	126	01S03	FLDCT	ZZZZZ	00053	0.222	429	-172	0	-172	458
	198	58	174	20	B9999	126	01S03	FLDCT	ZZZZZ	00054	0.222	429	332	0	332	458
	198	59	180	20	B9999	126	01S03	FLDCT	ZZZZZ	00055	0.222	429	397	0	397	458
	198	60	178	20	B9999	126	01S03	FLDCT	ZZZZZ	00056	0.222	429	375	0	375	458
	198	61	199	20	B9999	126	01S03	FLDCT	ZZZZZ	00057	0.222	429	601	0	601	458
	198	62	144	20	B9999	126	01S03	FLDCT	ZZZZZ	00058	0.222	429	11	0	11	458
	198	63	120	20	B9999	126	01S03	FLDCT	ZZZZZ	00059	0.222	429	-247	0	-247	458
	198	64	154	20	B9999	126	01S03	FLDCT	ZZZZZ	00060	0.222	429	118	0	118	458
01V01	141	207	167	20	B9999	126	01V01	FLDCT	ZZZZZ	00001	0.218	426	273	0	273	465
	141	208	175	20	B9999	126	01V01	FLDCT	ZZZZZ	00002	0.218	426	360	0	360	465
	141	209	187	20	B9999	126	01V01	FLDCT	ZZZZZ	00003	0.218	426	491	0	491	465
	141	210	189	20	B9999	126	01V01	FLDCT	ZZZZZ	00004	0.218	426	513	0	513	465
	141	211	168	20	B9999	126	01V01	FLDCT	ZZZZZ	00005	0.218	426	284	0	284	465
	141	212	203	20	B9999	126	01V01	FLDCT	ZZZZZ	00006	0.218	426	666	0	666	465
	141	213	236	20	B9999	126	01V01	FLDCT	ZZZZZ	00007	0.218	426	1027	0	1027	465
	141	214	207	20	B9999	126	01V01	FLDCT	ZZZZZ	00008	0.218	426	710	0	710	465
	141	215	207	20	B9999	126	01V01	FLDCT	ZZZZZ	00009	0.218	426	710	0	710	465
	141	216	198	20	B9999	126	01V01	FLDCT	ZZZZZ	00010	0.218	426	612	0	612	465
	141	217	176	20	B9999	126	01V01	FLDCT	ZZZZZ	00011	0.218	426	371	0	371	465
	141	218	191	20	B9999	126	01V01	FLDCT	ZZZZZ	00012	0.218	426	535	0	535	465
	141	219	183	20	B9999	126	01V01	FLDCT	ZZZZZ	00013	0.218	426	448	0	448	465
	141	220	220	20	B9999	126	01V01	FLDCT	ZZZZZ	00014	0.218	426	852	0	852	465
	141	221	264	20	B9999	126	01V01	FLDCT	ZZZZZ	00015	0.218	426	1332	0	1332	465
01T01	143	5	165	20	B9999	126	01T01	FLDCT	ZZZZZ	00001	0.216	406	328	0	328	459
	143	6	178	20	B9999	126	01T01	FLDCT	ZZZZZ	00002	0.216	406	471	0	471	459
	143	7	161	20	B9999	126	01T01	FLDCT	ZZZZZ	00003	0.216	406	284	0	284	459
	143	8	133	20	B9999	126	01T01	FLDCT	ZZZZZ	00004	0.216	406	-25	0	-25	459
	143	9	166	20	B9999	126	01T01	FLDCT	ZZZZZ	00005	0.216	406	339	0	339	459

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 ($dpm/100cm^2$)
01T02	143	10	142	20	B9999	126	01T02	FLDCT	ZZZZZ	00001	0.216	406	75	0	75	459
	143	11	158	20	B9999	126	01T02	FLDCT	ZZZZZ	00002	0.216	406	251	0	251	459
	143	12	160	20	B9999	126	01T02	FLDCT	ZZZZZ	00003	0.216	406	273	0	273	459
	143	13	153	20	B9999	126	01T02	FLDCT	ZZZZZ	00004	0.216	406	196	0	196	459
	143	14	148	20	B9999	126	01T02	FLDCT	ZZZZZ	00005	0.216	406	141	0	141	459
01T03	143	15	187	20	B9999	126	01T03	FLDCT	ZZZZZ	00001	0.216	406	571	0	571	459
	143	16	187	20	B9999	126	01T03	FLDCT	ZZZZZ	00002	0.216	406	571	0	571	459
	143	17	163	20	B9999	126	01T03	FLDCT	ZZZZZ	00003	0.216	406	306	0	306	459
	143	18	161	20	B9999	126	01T03	FLDCT	ZZZZZ	00004	0.216	406	284	0	284	459
	143	19	168	20	B9999	126	01T03	FLDCT	ZZZZZ	00005	0.216	406	361	0	361	459
01T04	143	22	194	20	B0002	126	01T04	FLDCT	ZZZZZ	00001	0.216	516	244	354	-110	556
	143	23	185	20	B0002	126	01T04	FLDCT	ZZZZZ	00002	0.216	516	145	354	-209	556
	143	24	235	20	B0002	126	01T04	FLDCT	ZZZZZ	00003	0.216	516	696	354	342	556
	143	25	209	20	B0002	126	01T04	FLDCT	ZZZZZ	00004	0.216	516	410	354	56	556
	143	26	199	20	B0002	126	01T04	FLDCT	ZZZZZ	00005	0.216	516	299	354	-55	556

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)
01T05	142	37	50	60	B9999	15.5	01T05	FLDCT	ZZZZZ	00001	0.107	30	1206	0	1206	1303
	142	38	47	60	B9999	15.5	01T05	FLDCT	ZZZZZ	00002	0.107	30	1025	0	1025	1303
	142	39	54	60	B9999	15.5	01T05	FLDCT	ZZZZZ	00003	0.107	30	1447	0	1447	1303
	142	40	53	60	B9999	15.5	01T05	FLDCT	ZZZZZ	00004	0.107	30	1387	0	1387	1303
	142	41	56	60	B9999	15.5	01T05	FLDCT	ZZZZZ	00005	0.107	30	1568	0	1568	1303
01T06	213	5	167	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00008	0.109	47	2160	354	1806	1178
	213	6	150	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00008	0.109	47	1657	354	1303	1178
	213	7	178	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00008	0.109	47	2486	354	2132	1178
	213	8	138	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00008	0.109	47	1302	354	948	1178
	213	9	167	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00008	0.109	47	2160	354	1806	1178
	145	34	141	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00001	0.109	51	1154	354	800	1219
	145	35	147	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00002	0.109	46	1628	354	1274	1168
	145	36	137	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00003	0.109	54	888	354	534	1244
	145	37	155	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00004	0.109	48	1776	354	1422	1183
	145	38	197	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00005	0.109	57	2456	354	2102	1277
	145	39	147	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00006	0.109	54	1184	354	830	1244
	145	40	167	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00007	0.109	54	1776	354	1422	1244
	145	41	188	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00008	0.109	47	2811	354	2457	1173
	145	42	132	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00009	0.109	49	1036	354	682	1194
	145	43	144	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00010	0.109	52	1213	354	859	1224
	145	44	137	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00011	0.109	47	1273	354	919	1178
	145	45	174	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00012	0.109	50	2190	354	1836	1209
	145	46	118	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00013	0.109	63	-237	354	-591	1333
	145	47	170	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00014	0.109	44	2427	354	2073	1147
	145	48	159	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00015	0.109	52	1657	354	1303	1224
	145	49	137	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00016	0.109	50	1125	354	771	1204
	145	50	146	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00017	0.109	49	1421	354	1067	1199
	145	51	152	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00018	0.109	48	1657	354	1303	1188
	145	52	174	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00019	0.109	42	2693	354	2339	1120
	145	53	156	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00020	0.109	48	1776	354	1422	1188
	145	54	154	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00021	0.109	55	1332	354	978	1253
	145	55	158	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00022	0.109	52	1598	354	1244	1229
	145	56	135	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00023	0.109	42	1539	354	1185	1120
	145	57	158	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00024	0.109	42	2220	354	1866	1120
	145	58	166	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00025	0.109	48	2072	354	1718	1188
	145	59	146	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00026	0.109	40	1983	354	1629	1097
	145	60	121	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00027	0.109	51	562	354	208	1219
	145	61	135	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00028	0.109	48	1154	354	800	1188
	145	62	155	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00029	0.109	50	1628	354	1274	1209
	145	63	132	120	B0002	15.5	01T06	FLDCT	ZZZZZ	00030	0.109	48	1065	354	711	1188
01T07	197	8	118	20	B9999	126	01T07	FLDCT	ZZZZZ	00001	0.21	323	117	0	117	424

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)
	197	9	113	20	B9999	126	01T07	FLDCT	ZZZZZ	00002	0.21	323	60	0	60	424
	197	10	116	20	B9999	126	01T07	FLDCT	ZZZZZ	00003	0.21	323	94	0	94	424
	197	11	103	20	B9999	126	01T07	FLDCT	ZZZZZ	00004	0.21	323	-53	0	-53	424
	197	12	99	20	B9999	126	01T07	FLDCT	ZZZZZ	00005	0.21	323	-98	0	-98	424
01T08	197	15	101	20	B9999	126	01T08	FLDCT	ZZZZZ	00001	0.21	294	34	0	34	406
	197	16	101	20	B9999	126	01T08	FLDCT	ZZZZZ	00002	0.21	294	34	0	34	406
	197	17	123	20	B9999	126	01T08	FLDCT	ZZZZZ	00003	0.21	294	283	0	283	406
	197	18	89	20	B9999	126	01T08	FLDCT	ZZZZZ	00004	0.21	294	-102	0	-102	406
	197	19	125	20	B9999	126	01T08	FLDCT	ZZZZZ	00005	0.21	294	306	0	306	406
020H1	95	43	95	20	B9999	126	020H1	FLDCT	ZZZZZ	00001	0.213	397	-417	0	-417	460
	95	44	98	20	B9999	126	020H1	FLDCT	ZZZZZ	00002	0.213	397	-384	0	-384	460
	95	45	92	20	B9999	126	020H1	FLDCT	ZZZZZ	00003	0.213	397	-451	0	-451	460
	95	46	118	20	B9999	126	020H1	FLDCT	ZZZZZ	00004	0.213	397	-160	0	-160	460
	95	47	113	20	B9999	126	020H1	FLDCT	ZZZZZ	00005	0.213	397	-216	0	-216	460
	95	48	114	20	B9999	126	020H1	FLDCT	ZZZZZ	00006	0.213	397	-205	0	-205	460
	95	49	154	20	B9999	126	020H1	FLDCT	ZZZZZ	00007	0.213	397	242	0	242	460
	95	50	175	20	B9999	126	020H1	FLDCT	ZZZZZ	00008	0.213	397	477	0	477	460
	95	51	119	20	B9999	126	020H1	FLDCT	ZZZZZ	00009	0.213	397	-149	0	-149	460
	95	52	112	20	B9999	126	020H1	FLDCT	ZZZZZ	00010	0.213	397	-227	0	-227	460
02D01	95	53	252	20	B9999	126	02D01	FLDCT	ZZZZZ	00001	0.213	397	1338	0	1338	460
	100	3	457	120	B9999	100	02D01	FLDCT	ZZZZZ	00002	0.021	227	71	0	71	1893

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 ($dpm/100cm^2$)
030H1	96	39	112	20	B9999	126	030H1	FLDCT	ZZZZZ	00001	0.213	374	-142	0	-142	448
	96	40	131	20	B9999	126	030H1	FLDCT	ZZZZZ	00002	0.213	374	70	0	70	448
	96	41	96	20	B9999	126	030H1	FLDCT	ZZZZZ	00003	0.213	374	-321	0	-321	448
	96	42	120	20	B9999	126	030H1	FLDCT	ZZZZZ	00004	0.213	374	-53	0	-53	448
	96	43	126	20	B9999	126	030H1	FLDCT	ZZZZZ	00005	0.213	374	14	0	14	448
														# Measurements	1027	
														Average	209	
														Maximum	2457	
														STD DEV	394	
														95% CL on Mean	233	

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 #145

ATTACHMENT 6.14
SURVEY DOWNLOAD DATA SHEET

043

wnload Print
Technician: Name: D. Schuttaker Signature: [signature] Station: 2 File: 145
Serial No. Verification: Model 2350: ☐ Detector: ☐ Problems: ☐ (See Comments)

Survey Technician(s):
Print Name: R.A. Leigh User ID RAL7103 Signature: R.A. Leigh Date: 6/22/01

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

Survey Unit Description: A0304: 1st Floor Trench 6
(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: 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		44-2	N/A			
☒ Beta	091089	44-40	.109	2744/40	145	145

Local Area Background Measurements							MEAN Value in cpm ↓
β Beta	1	2	3	4	5	6	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: 145	Survey Description: A0304: RX BUILDING 1st FLOOR TRENCH 6		
Survey Reason: TERMINATION	User ID: RAL7103	Technician name: R.A. Leigh	
Instrument Model: M2350-1	S/N: 126182	Calibration Due: 9/22/01	Group: 2
Detector Model: 44-40	Detector S/N: 091089	Type: Shielded GM Pancake Detector	
Background: 0 cpm	Beta Efficiency: .109		Survey Date: 6/22/01

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 2 pages of the report, 0 pages of comments, and 1 graph.

I performed this survey: R.A. LEIGH (Print name) / RALeigh (Signature) Date: 7-2-01

and,

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

Corrections and Reasons:

Comment Resolution:

Survey Reviewed and Approved by: PAUL JONES (Print name) / Paul Jones (Signature) Date: 7-5-01

Survey Date: 6/22/01 Report Date: 6/22/01 Page: 1
File: 145 Station: 2

Comments

Survey Code	L1	L2	L3	L4
	A0304	01T06	TST01	02000

Setup Number 3
Det Cal Due: 12/13/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B0002	ZZZZZ	00001	4	120	102	3019	*
FLDBK	B0002	ZZZZZ	00002	5	120	92	2723	*
FLDBK	B0002	ZZZZZ	00003	6	120	107	3167	*
FLDBK	B0002	ZZZZZ	00004	7	120	95	2811	*
FLDBK	B0002	ZZZZZ	00005	8	120	114	3374	*
FLDBK	B0002	ZZZZZ	00006	9	120	107	3167	*
FLDBK	B0002	ZZZZZ	00007	10	120	107	3167	*
FLDBK	B0002	ZZZZZ	00008	11	120	93	2752	*
FLDBK	B0002	ZZZZZ	00009	12	120	97	2871	*
FLDBK	B0002	ZZZZZ	00010	13	120	103	3048	*
FLDBK	B0002	ZZZZZ	00011	14	120	94	2782	*
FLDBK	B0002	ZZZZZ	00012	15	120	100	2959	*
FLDBK	B0002	ZZZZZ	00013	16	120	126	3729	*
FLDBK	B0002	ZZZZZ	00014	17	120	88	2604	*
FLDBK	B0002	ZZZZZ	00015	18	120	103	3048	*
FLDBK	B0002	ZZZZZ	00016	19	120	99	2930	*
FLDBK	B0002	ZZZZZ	00017	20	120	98	2900	*
FLDBK	B0002	ZZZZZ	00018	21	120	97	2871	*
FLDBK	B0002	ZZZZZ	00019	22	120	83	2456	*
FLDBK	B0002	ZZZZZ	00020	23	120	96	2841	*
FLDBK	B0002	ZZZZZ	00021	24	120	109	3226	*
FLDBK	B0002	ZZZZZ	00022	25	120	104	3078	*
FLDBK	B0002	ZZZZZ	00023	26	120	83	2456	*
FLDBK	B0002	ZZZZZ	00024	27	120	83	2456	*
FLDBK	B0002	ZZZZZ	00025	28	120	96	2841	*
LDBK	B0002	ZZZZZ	00026	29	120	79	2338	
LDBK	B0002	ZZZZZ	00027	30	120	102	3019	*
LDBK	B0002	ZZZZZ	00028	31	120	96	2841	*
FLDBK	B0002	ZZZZZ	00029	32	120	100	2959	*
FLDBK	B0002	ZZZZZ	00030	33	120	96	2841	*
						Group Average:	2909	
FLDCT	B0002	ZZZZZ	00001	34	120	141	4173	*
FLDCT	B0002	ZZZZZ	00002	35	120	147	4350	*
FLDCT	B0002	ZZZZZ	00003	36	120	137	4054	*
FLDCT	B0002	ZZZZZ	00004	37	120	155	4587	*
FLDCT	B0002	ZZZZZ	00005	38	120	197	5830	*
FLDCT	B0002	ZZZZZ	00006	39	120	147	4350	*
FLDCT	B0002	ZZZZZ	00007	40	120	167	4942	*
FLDCT	B0002	ZZZZZ	00008	41	120	188	5564	*
FLDCT	B0002	ZZZZZ	00009	42	120	132	3906	*
FLDCT	B0002	ZZZZZ	00010	43	120	144	4262	*
FLDCT	B0002	ZZZZZ	00011	44	120	137	4054	*
FLDCT	B0002	ZZZZZ	00012	45	120	174	5149	*
FLDCT	B0002	ZZZZZ	00013	46	120	118	3492	*
FLDCT	B0002	ZZZZZ	00014	47	120	170	5031	*
FLDCT	B0002	ZZZZZ	00015	48	120	159	4706	*
FLDCT	B0002	ZZZZZ	00016	49	120	137	4054	*
FLDCT	B0002	ZZZZZ	00017	50	120	146	4321	*
FLDCT	B0002	ZZZZZ	00018	51	120	152	4498	*
FLDCT	B0002	ZZZZZ	00019	52	120	174	5149	*
FLDCT	B0002	ZZZZZ	00020	53	120	156	4617	*
FLDCT	B0002	ZZZZZ	00021	54	120	154	4558	*
FLDCT	B0002	ZZZZZ	00022	55	120	158	4676	*
FLDCT	B0002	ZZZZZ	00023	56	120	135	3995	*
FLDCT	B0002	ZZZZZ	00024	57	120	158	4676	*
FLDCT	B0002	ZZZZZ	00025	58	120	166	4913	*
FLDCT	B0002	ZZZZZ	00026	59	120	146	4321	*
LDCT	B0002	ZZZZZ	00027	60	120	121	3581	*
LDCT	B0002	ZZZZZ	00028	61	120	135	3995	*
LDCT	B0002	ZZZZZ	00029	62	120	155	4587	*
FLDCT	B0002	ZZZZZ	00030	63	120	132	3906	*

* Hi flag set at 2400 dpm/100 cm2

Survey Date: 6/22/01 Report Date: 6/22/01 Page: 2
File: 145 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 3
	A0304	01T06	TST01	02000	Det Cal Due: 12/13/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
						Group Average:	4477	

Survey Code	L1	L2	L3	L4	Setup Number 3
	ZZZZZ	EZ260	TAT01	02000	Det Cal Due: 12/13/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRB00	ZZZZZ	ZZZZZ	00000	1	60	2796	165493	*
PRB00	ZZZZZ	ZZZZZ	00000	2	60	2793	165315	*
PRB00	ZZZZZ	ZZZZZ	00000	3	60	2762	163480	*
						Group Average:	164763	
PTB00	ZZZZZ	ZZZZZ	00000	65	60	2758	163244	*
PTB00	ZZZZZ	ZZZZZ	00000	66	60	2731	161645	*
PTB00	ZZZZZ	ZZZZZ	00000	67	60	2756	163125	*
						Group Average:	162671	

Survey Code	L1	L2	L3	L4	Setup Number 3
	ZZZZZ	ZZZZZ	TAT01	02000	Det Cal Due: 12/13/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	401	2373	
						Group Average:	2373	
PTBBK	ZZZZZ	ZZZZZ	00000	64	600	378	2237	
						Group Average:	2237	

Total Number of Measurements on this Report: 68

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

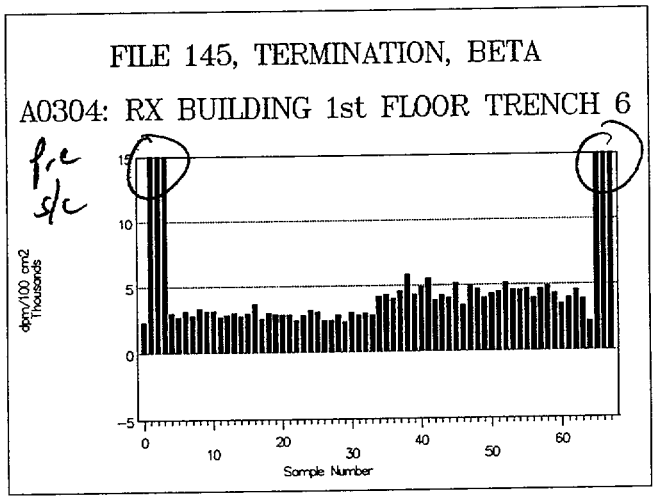
GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

6/22/2001 Graph of File 145 Station: 2

Survey Date: 6/22/2001 Survey Start Time: 09:36:28

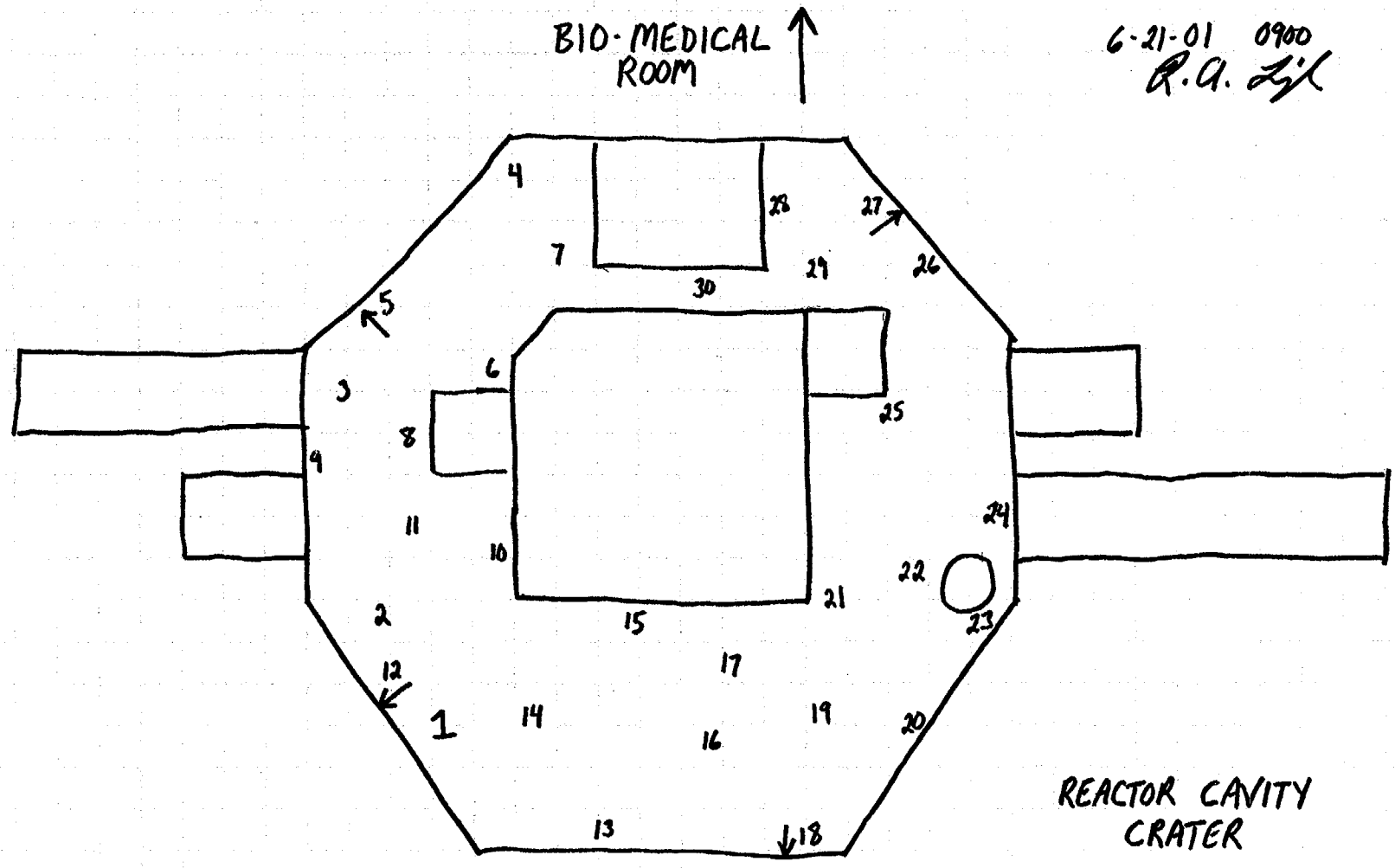
Description: A0304: RX BUILDING 1st FLOOR TRENCH 6



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.



6-21-01 0900
R.A. Lyk

1st floor Trench #6

SUPPLEMENTAL INVESTIGATION INSTRUCTIONS

Direct Beta Survey Report File # 145 reading # 8 is 2457 dpm/100cm2 which is above the SPGL of 2400 dpm/100cm2. The instrument used for this survey had a detector area of 15.5 cm2.

The following instructions will be performed to investigate the elevated reading:

- Re-scan a 1 meter grid area surrounding location #8 to identify any small elevated hot spots above the SPGL,
-
- Take 5 additional readings immediately adjacent to reading #8.
-
- The original reading and the 5 additional readings will be combined to determine the activity per 93 cm2 and then converted to activity per 100 cm2.

Comments:

_____

_____

_____

_____

_____

_____

ATTACHMENT 6.14
SURVEY DOWNLOAD DATA SHEET

050

wnload Print
Technician: Name: D Schumacher Signature: Station: 2
File: 146
Serial No. Verification: Model 2350: ☑ Detector: ☑ Problems: ☐ (See Comments)

Survey Technician(s):
Print Name: Betty S. Kyes User ID BSK-0490 Signature: BS Kyes Date: 6-22-01

Print Name: R.A. Leigh User ID RAL7103 Signature: RALeigh Date: 6-22-01

Survey Unit Description: A0304 Pipe 1 (Fuel Storage Pit)
(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: 12-6-01 Detector: 12-6-01

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	091050	43-68B	.177	4378 / 416	146	146
☐ Alpha α		43-68A				
☐ Gamma γ		44-2	N/A			

Local Area Background Measurements Pre/Post — MEAN Value in cpm ↓

10 Minutes β Beta	1493/1534	2	3	4	5	6	151
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: 146	Survey Description: A0304: RX BUILDING 1st FLOOR FUEL STORAGE PIT		
Survey Reason: TERMINATION	User ID: BSK0490	Technician name: B.S. Kjos	
Instrument Model: 2350-1	S/N: 129429	Calibration Due: 12/06/01	Group: 2
Detector Model: 43-68B	Detector S/N: 091050	Type: 126 cm2 Gas Proportional Detector, Beta Window	
Background: 151 cpm	Beta Efficiency: .177		Survey Date: 6/22/01

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 2 pages of the report, 0 pages of comments, and 1 graph.

I performed this survey: Betty S. Kjos (Print name) / Betty S Kjos (Signature) Date: 6-25-01

and,

I performed this survey: ROBERT A. LEIGH (Print name) / Robert A Leigh (Signature) Date: 6-25-01

Corrections and Reasons:

Comment Resolution:

Reading No. 10 was taken at hottest area of pipe.

Survey Reviewed and Approved by: Paul A Jones (Print name) / Paul A Jones (Signature) Date: 6/27/01

Survey Date: 6/22/01 Report Date: 6/27/01 Page: 1
File: 146 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01P01	TAT01	02202	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B9999	ZZZZZ	00000	4	600	1483	-12	
FLDBK	B9999	ZZZZZ	00000	15	600	1534	11	
						Group Average:	-1	
FLDCT	B9999	ZZZZZ	00001	5	20	58	103	
FLDCT	B9999	ZZZZZ	00002	6	20	48	-31	
FLDCT	B9999	ZZZZZ	00003	7	20	48	-31	
FLDCT	B9999	ZZZZZ	00004	8	20	51	9	
FLDCT	B9999	ZZZZZ	00005	9	20	58	103	
FLDCT	B9999	ZZZZZ	00006	10	20	69	251	
FLDCT	B9999	ZZZZZ	00007	11	20	69	251	
FLDCT	B9999	ZZZZZ	00008	12	20	68	238	
FLDCT	B9999	ZZZZZ	00009	13	20	77	359	
FLDCT	B9999	ZZZZZ	00010	14	20	150	1341	
						Group Average:	259	

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	EZ260	TAT01	02202	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
RB00	ZZZZZ	ZZZZZ	00000	1	60	4662	20227	*
PRB00	ZZZZZ	ZZZZZ	00000	2	60	5108	22227	*
PRB00	ZZZZZ	ZZZZZ	00000	3	60	4828	20971	*
						Group Average:	21142	
PTB00	ZZZZZ	ZZZZZ	00000	17	60	4557	19756	*
PTB00	ZZZZZ	ZZZZZ	00000	18	60	5158	22451	*
PTB00	ZZZZZ	ZZZZZ	00000	19	60	4667	20249	*
						Group Average:	20819	

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	ZZZZZ	TAT01	02202	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	4085	1155	
						Group Average:	1155	
PTBBK	ZZZZZ	ZZZZZ	00000	16	600	4161	1189	
						Group Average:	1189	

* Hi flag set at 2400 dpm/100 cm2

Survey Date: 6/22/01 Report Date: 6/27/01 Page: 2
File: 146 Station: 2

Comments

Total Number of Measurements on this Report: 20

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

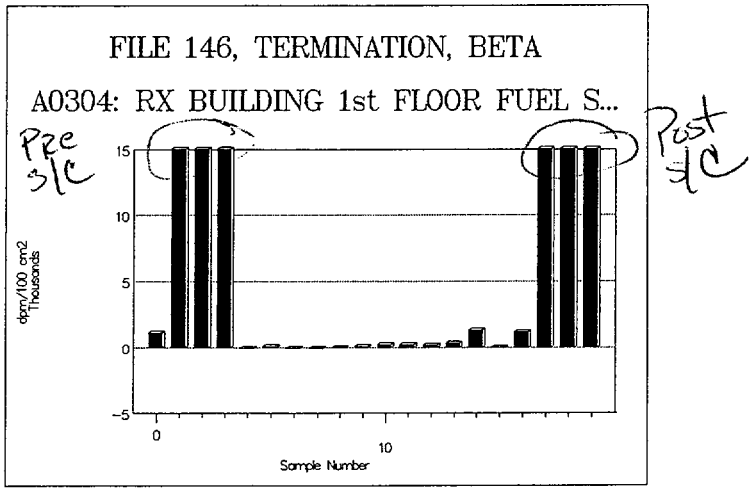
GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

6/22/2001 Graph of File 146 Station: 2

Survey Date: 6/22/2001 Survey Start Time: 14:22:22

Description: A0304: RX BUILDING 1st FLOOR FUEL STORAGE PIT

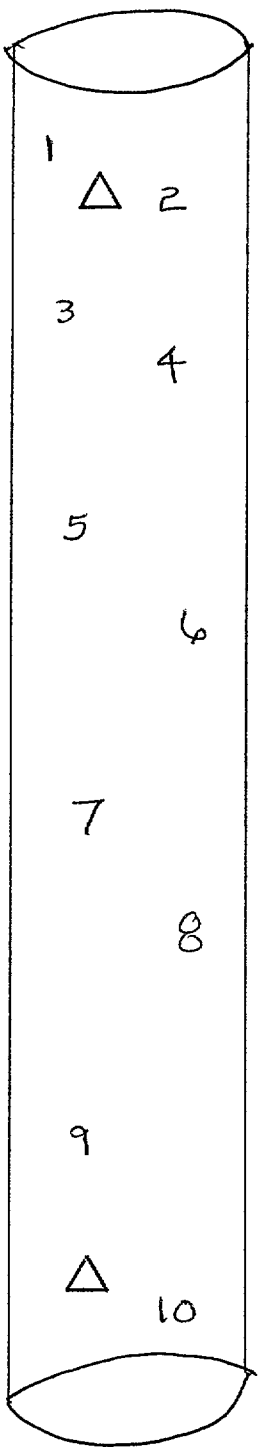


Flag set for 2400 dpm/100 cm2. Review values greater than this value.

Review this graph for visual outliers.

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

A0304
01P01



△ Location of tritium smears

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 #143

ATTACHMENT 6.14
SURVEY DOWNLOAD DATA SHEET

057

Download Print Technician: Name: D. Schumacher Signature: [signature] Station: 2 File: 143
Serial No. Verification: Model 2350: ☒ Detector: ☐ Problems: ☐ (See Comments)

Survey Technician(s):
Print Name: Betty S. Kjos User ID BSK0490 Signature: Betty S Kjos Date: 6-21-01

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

Survey Unit Description: A0304 1st Floor Heater 1-4; Trench 1-4; Floor to basement Stairwell from 2nd
(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: 12-6-01 Detector: 12-6-01

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				
☑ Beta β	091050	43-68B	.216	5451 / 399		
☐ Alpha α		43-68A				
☐ Gamma γ		44-2	N/A			

Local Area Background Measurements

	(#1) 01T01	(#3) 01T03	(#3) 01T04	(#2) 01EQ1	(#3) 01EQ4	01S01		MEAN Value in cpm
10 minutes β Beta	1404 / 4067	2519 / 5116	3429 / 4323	4392 / 4155	5	6		439
α Alpha	1	2	3	4	5	6		

COMMENTS: (#1) Average background = 405.7 cpm, use for metal trenches 01T01, 01T02 & 01T03
(#2) Average background = 427.1 cpm, use for 01EQ1 - 01EQ4, metal heaters
(#3) Average background = 515.5 cpm, use for 01T04.

GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

Direct Beta Survey Report, dpm/100 cm2

File Number: 143	Survey Description: A0304: RX BUILDING 1st FLOOR 01T01-4,01EQ1-4,STAIRS		
Survey Reason: TERMINATION	User ID: BSK0490	Technician name: B.S. Kjos	
Instrument Model: 2350-1	S/N: 129429	Calibration Due: 12/06/01	Group: 2
Detector Model: 43-68B	Detector S/N: 091050	Type: 126 cm2 Gas Proportional Detector, Beta Window	
Background: 439 cpm	Beta Efficiency: .216		Survey Date: 6/21/01

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: Betty S. Kjos / Betty S. Kjos Date: 6-21-01
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 A Jones Date: 6/28/01
Print name Signature

Survey Date: 6/21/01 Report Date: 6/21/01 Page: 1
File: 143 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number	0
	A0304	01EQ1	TAT01	02200	Det Cal Due:	6/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B9999	ZZZZZ	00000	28	600	4219	-63	
						Group Average:	-63	
FLDCT	B9999	ZZZZZ	00001	29	20	167	228	
FLDCT	B9999	ZZZZZ	00002	30	20	150	40	
FLDCT	B9999	ZZZZZ	00003	31	20	130	-180	
FLDCT	B9999	ZZZZZ	00004	32	20	144	-26	
FLDCT	B9999	ZZZZZ	00005	34	20	163	184	
						Group Average:	49	

Survey Code	L1	L2	L3	L4	Setup Number	0
	A0304	01EQ2	TAT01	02200	Det Cal Due:	6/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDCT	B9999	ZZZZZ	00001	35	20	160	151	
FLDCT	B9999	ZZZZZ	00002	36	20	177	338	
FLDCT	B9999	ZZZZZ	00003	37	20	144	-26	
FLDCT	B9999	ZZZZZ	00004	38	20	152	62	
FLDCT	B9999	ZZZZZ	00005	39	20	178	349	
						Group Average:	175	

Survey Code	L1	L2	L3	L4	Setup Number	0
	A0304	01EQ3	TAT01	02200	Det Cal Due:	6/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDCT	B9999	ZZZZZ	00001	40	20	188	459	
FLDCT	B9999	ZZZZZ	00002	41	20	118	-312	
FLDCT	B9999	ZZZZZ	00003	42	20	120	-290	
FLDCT	B9999	ZZZZZ	00004	43	20	127	-213	
FLDCT	B9999	ZZZZZ	00005	44	20	179	360	
						Group Average:	1	

Survey Code	L1	L2	L3	L4	Setup Number	0
	A0304	01EQ4	TAT01	02200	Det Cal Due:	6/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B9999	ZZZZZ	00000	50	600	4323	-25	
						Group Average:	-25	
FLDCT	B9999	ZZZZZ	00001	45	20	208	680	
FLDCT	B9999	ZZZZZ	00002	46	20	182	393	
FLDCT	B9999	ZZZZZ	00003	47	20	144	-26	
FLDCT	B9999	ZZZZZ	00004	48	20	163	184	
FLDCT	B9999	ZZZZZ	00005	49	20	234	966	

* Hi flag set at 2400 dpm/100 cm2

Survey Date: 6/21/01 Report Date: 6/21/01 Page: 2
File: 143 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number	0
	A0304	01EQ4	TAT01	02200	Det Cal Due:	6/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
						Group Average:	439	

Survey Code	L1	L2	L3	L4	Setup Number	0
	A0304	01S01	TAT01	02200	Det Cal Due:	6/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B9999	ZZZZZ	00000	51	600	3921	-172	
FLDBK	B9999	ZZZZZ	00000	82	600	4155	-86	
						Group Average:	-129	
FLDCT	B9999	ZZZZZ	00001	52	20	169	250	
FLDCT	B9999	ZZZZZ	00002	53	20	142	-48	
FLDCT	B9999	ZZZZZ	00003	54	20	209	691	
FLDCT	B9999	ZZZZZ	00004	55	20	150	40	
FLDCT	B9999	ZZZZZ	00005	56	20	140	-70	
FLDCT	B9999	ZZZZZ	00006	57	20	156	107	
FLDCT	B9999	ZZZZZ	00007	58	20	146	-4	
FLDCT	B9999	ZZZZZ	00008	59	20	137	-103	
LDCT	B9999	ZZZZZ	00009	60	20	143	-37	
LDCT	B9999	ZZZZZ	00010	61	20	140	-70	
LDCT	B9999	ZZZZZ	00011	62	20	149	29	
FLDCT	B9999	ZZZZZ	00012	63	20	146	-4	
FLDCT	B9999	ZZZZZ	00013	64	20	132	-158	
FLDCT	B9999	ZZZZZ	00014	65	20	141	-59	
FLDCT	B9999	ZZZZZ	00015	66	20	121	-279	
FLDCT	B9999	ZZZZZ	00016	67	20	143	-37	
FLDCT	B9999	ZZZZZ	00017	68	20	155	96	
FLDCT	B9999	ZZZZZ	00018	69	20	165	206	
FLDCT	B9999	ZZZZZ	00019	70	20	149	29	
FLDCT	B9999	ZZZZZ	00020	71	20	170	261	
FLDCT	B9999	ZZZZZ	00021	72	20	133	-147	
FLDCT	B9999	ZZZZZ	00022	73	20	175	316	
FLDCT	B9999	ZZZZZ	00023	74	20	148	18	
FLDCT	B9999	ZZZZZ	00024	75	20	170	261	
FLDCT	B9999	ZZZZZ	00025	76	20	132	-158	
FLDCT	B9999	ZZZZZ	00026	77	20	148	18	
FLDCT	B9999	ZZZZZ	00027	78	20	159	140	
FLDCT	B9999	ZZZZZ	00028	79	20	166	217	
FLDCT	B9999	ZZZZZ	00029	80	20	153	73	
FLDCT	B9999	ZZZZZ	00030	81	20	147	7	
						Group Average:	53	

Survey Code	L1	L2	L3	L4	Setup Number	0
	A0304	01T01	TAT01	02200	Det Cal Due:	6/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
LDBK	B9999	ZZZZZ	00000	4	600	4047	-126	
						Group Average:	-126	
FLDCT	B9999	ZZZZZ	00001	5	20	165	206	

* Hi flag set at 2400 dpm/100 cm2

Survey Date: 6/21/01 Report Date: 6/21/01 Page: 3
File: 143 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number	0
	A0304	01T01	TAT01	02200	Det Cal Due:	6/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDCT	B9999	ZZZZZ	00002	6	20	178	349	
FLDCT	B9999	ZZZZZ	00003	7	20	161	162	
FLDCT	B9999	ZZZZZ	00004	8	20	133	-147	
FLDCT	B9999	ZZZZZ	00005	9	20	166	217	
						Group Average:	157	

Survey Code	L1	L2	L3	L4	Setup Number	0
	A0304	01T02	TAT01	02200	Det Cal Due:	6/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDCT	B9999	ZZZZZ	00001	10	20	142	-48	
FLDCT	B9999	ZZZZZ	00002	11	20	158	129	
FLDCT	B9999	ZZZZZ	00003	12	20	160	151	
FLDCT	B9999	ZZZZZ	00004	13	20	153	73	
FLDCT	B9999	ZZZZZ	00005	14	20	148	18	
						Group Average:	65	

Survey Code	L1	L2	L3	L4	Setup Number	0
	A0304	01T03	TAT01	02200	Det Cal Due:	6/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B9999	ZZZZZ	00000	20	600	4067	-119	
						Group Average:	-119	
FLDCT	B9999	ZZZZZ	00001	15	20	187	448	
FLDCT	B9999	ZZZZZ	00002	16	20	187	448	
FLDCT	B9999	ZZZZZ	00003	17	20	163	184	
FLDCT	B9999	ZZZZZ	00004	18	20	161	162	
FLDCT	B9999	ZZZZZ	00005	19	20	168	239	
						Group Average:	296	

Survey Code	L1	L2	L3	L4	Setup Number	0
	A0304	01T04	TAT01	02200	Det Cal Due:	6/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B0002	ZZZZZ	00000	21	600	5195	296	
FLDBK	B0002	ZZZZZ	00000	27	600	5116	267	
						Group Average:	281	
FLDCT	B0002	ZZZZZ	00001	22	20	194	525	
FLDCT	B0002	ZZZZZ	00002	23	20	185	426	
FLDCT	B0002	ZZZZZ	00003	24	20	235	977	
FLDCT	B0002	ZZZZZ	00004	25	20	209	691	
FLDCT	B0002	ZZZZZ	00005	26	20	199	581	

* Hi flag set at 2400 dpm/100 cm2

Survey Date: 6/21/01 Report Date: 6/21/01 Page: 4
File: 143 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01T04	TAT01	02200	Det Cal Due: 6/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
						Group Average:	640	

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	EZ260	TAT01	02200	Det Cal Due: 6/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRB00	ZZZZZ	ZZZZZ	00000	1	60	5677	19246	*
PRB00	ZZZZZ	ZZZZZ	00000	2	60	6055	20635	*
PRB00	ZZZZZ	ZZZZZ	00000	3	60	5817	19760	*
						Group Average:	19880	
PTB00	ZZZZZ	ZZZZZ	00000	84	60	5451	18416	*
PTB00	ZZZZZ	ZZZZZ	00000	85	60	5955	20267	*
PTB00	ZZZZZ	ZZZZZ	00000	86	60	5960	20286	*
						Group Average:	19656	

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	ZZZZZ	TAT01	02200	Det Cal Due: 6/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	3994	-146	
						Group Average:	-146	
PTBBK	ZZZZZ	ZZZZZ	00000	83	600	4153	-87	
						Group Average:	-87	

Total Number of Measurements on this Report: 86

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

6/21/01 Comments Report for File 143 Station: 2

Comment Number	Comment
1	Deleted sample numbers from 33 to 33. Because COUNT STARTED PREMUTURELY. DETECTOR NOT IN CORRECT LOCATION.

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

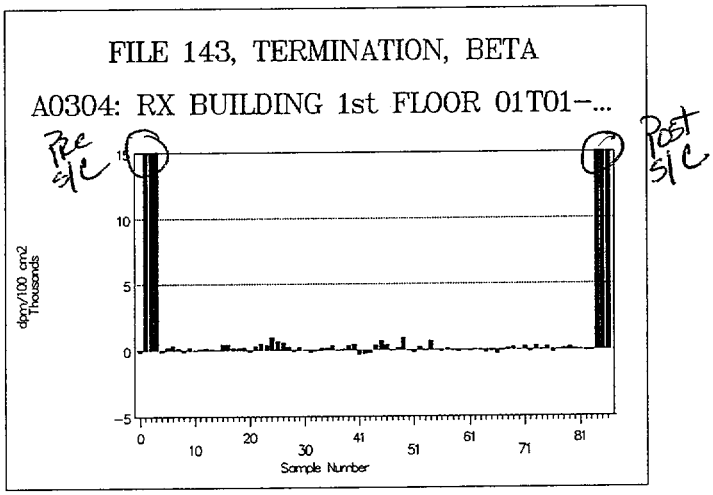
GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

6/21/2001 Graph of File 143 Station: 2

Survey Date: 6/21/2001 Survey Start Time: 08:42:42

Description: A0304: RX BUILDING 1st FLOOR 01T01-4,01EQ1-4,STAIRS

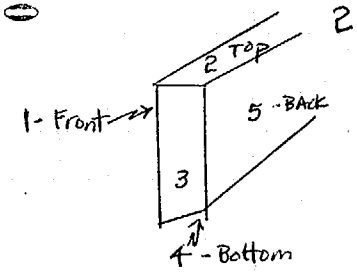


Flag set for 2400 dpm/100 cm2. Review values greater than this value.

Review this graph for visual outliers.

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

A0304

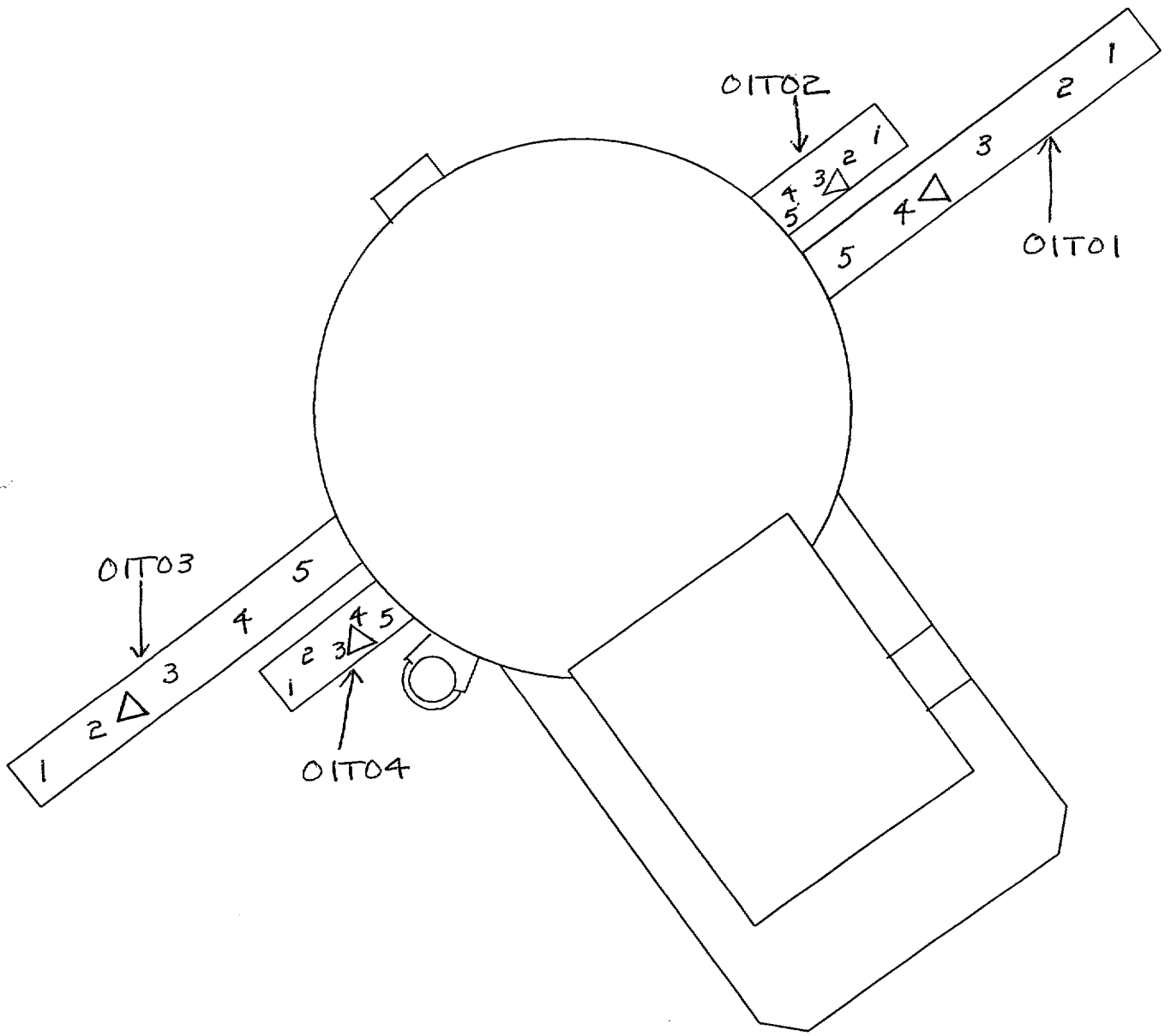


208 ~~ASK~~ READINGS TAKEN ON FOUR <u>HEATERS</u> (SAME LOCATIONS FOR EACH HEATER)

01EQ1
01EQ2
01EQ3
01EQ4

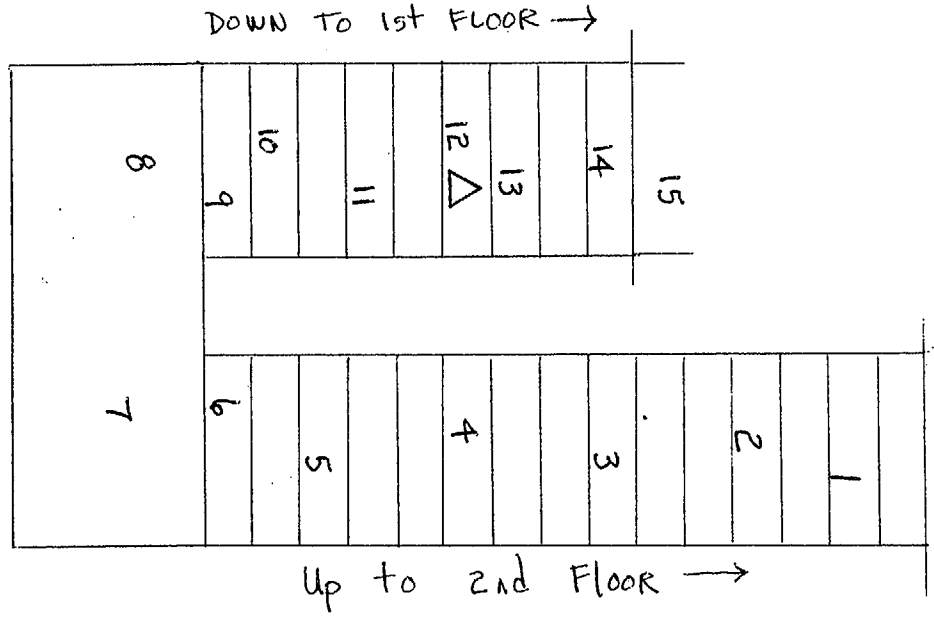
A0304 TRENCH 1-4

GEORGIA TECH RESEARCH REACTOR BUILDING
BIOSHIELD AND MEDICAL ROOM



△ Location of tritium smears

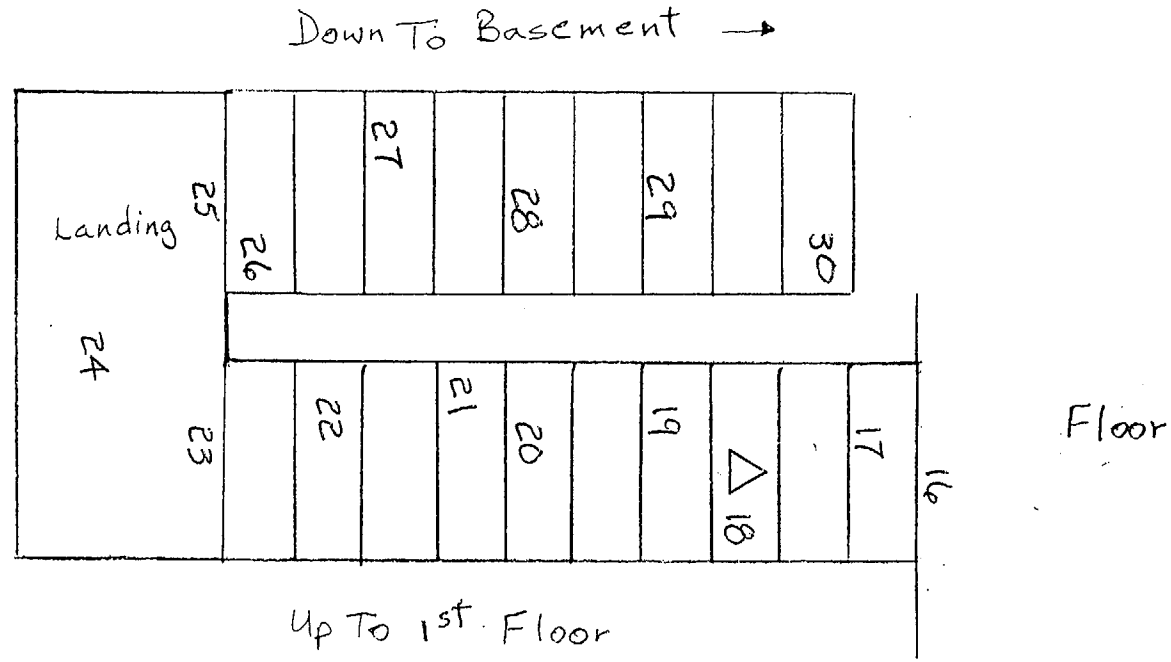
STAIRS FROM 1st FLOOR to 2nd FLOOR
A0304
01501



△ Location of tritium smear

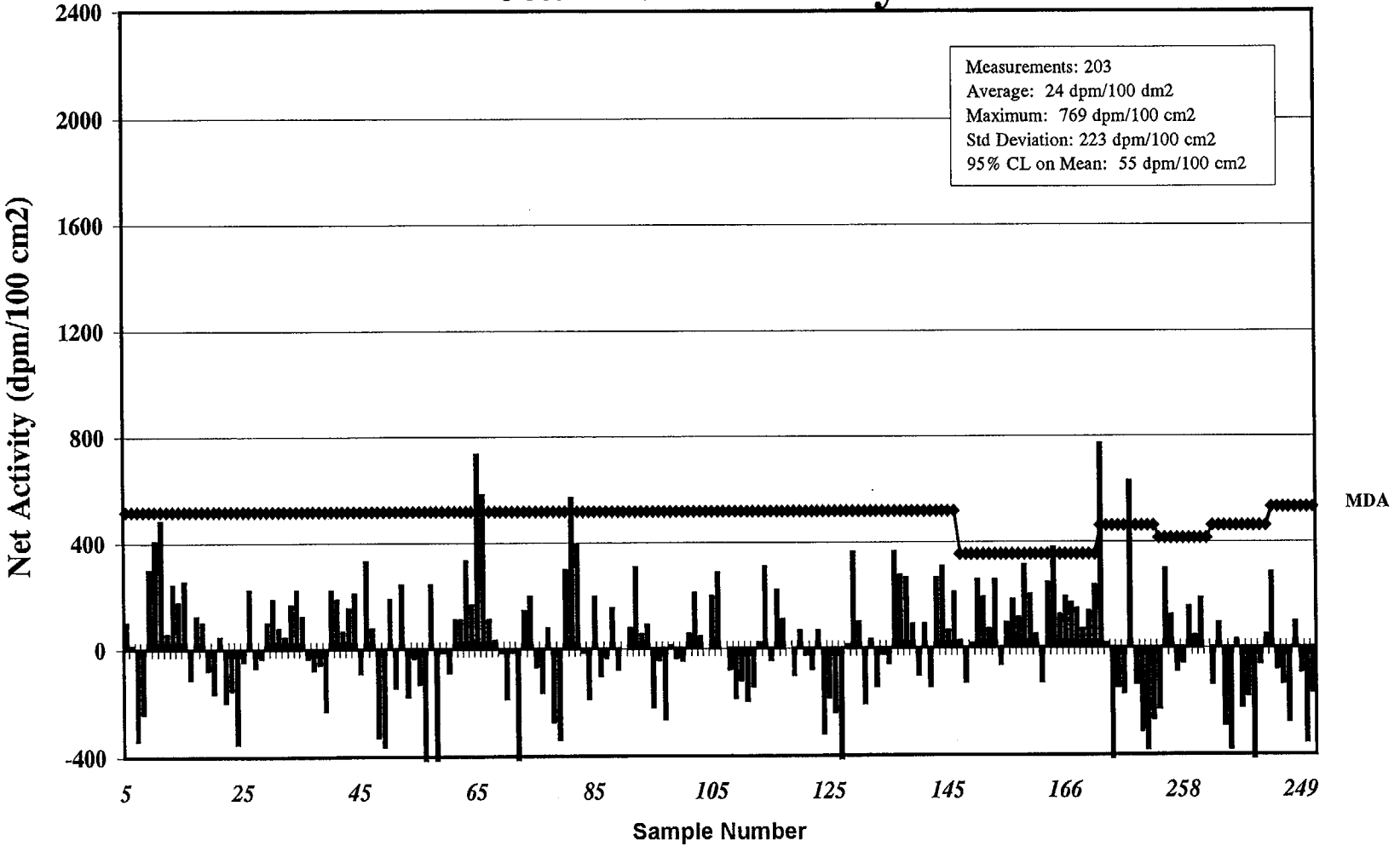
Stairs From Basement To 1st Floor

A0304
01501

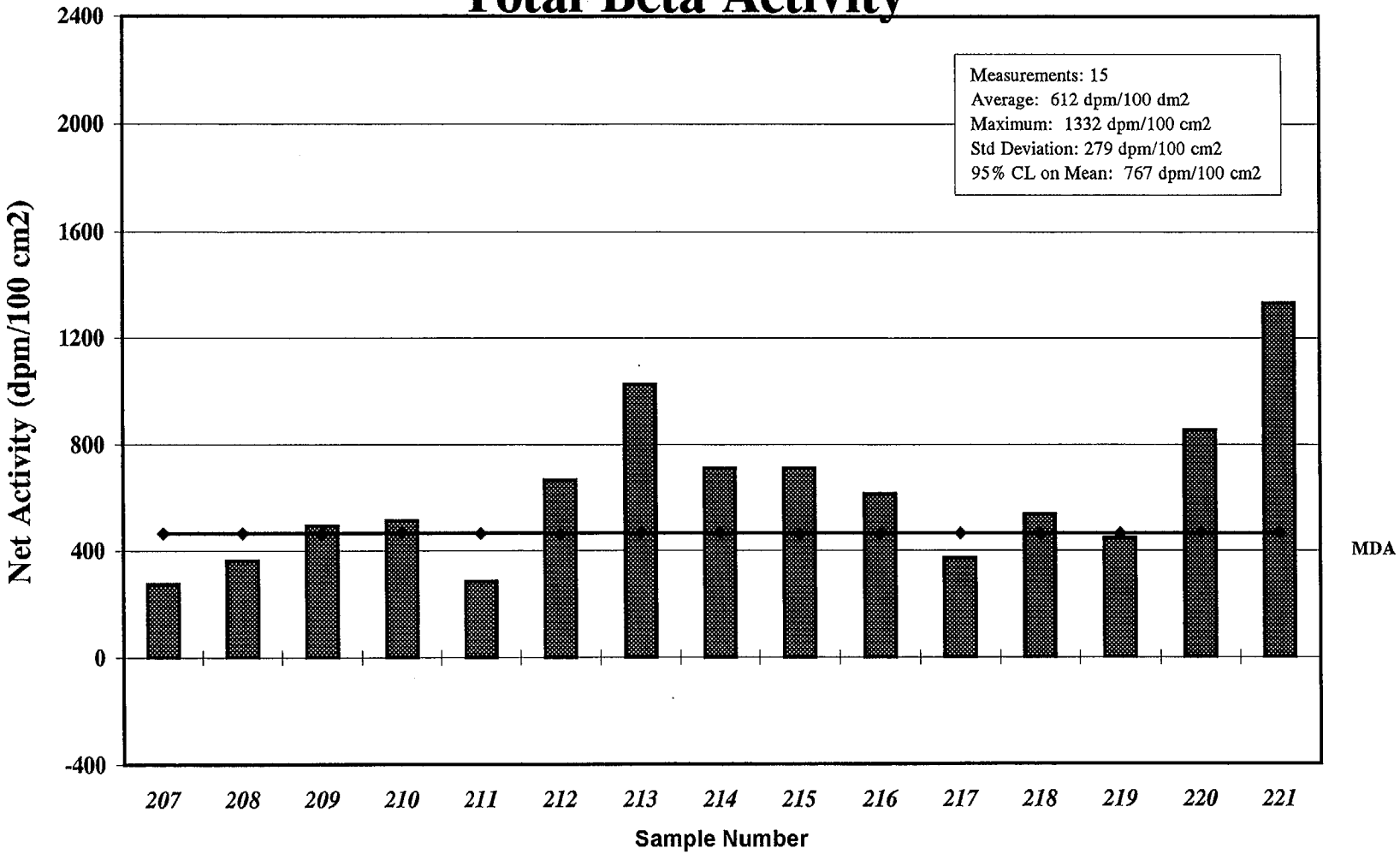


△ Location of tritium smear

1st Floor Walls Below 2 Meters
Total Beta Activity



1st Floor Vent 1
Total Beta Activity



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	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)	
Vent 1	141	207	167	20	B9999	126	01V01	FLDCT	ZZZZZ	00001	0.218	426	273	0	273	465	
	141	208	175	20	B9999	126	01V01	FLDCT	ZZZZZ	00002	0.218	426	360	0	360	465	
	141	209	187	20	B9999	126	01V01	FLDCT	ZZZZZ	00003	0.218	426	491	0	491	465	
	141	210	189	20	B9999	126	01V01	FLDCT	ZZZZZ	00004	0.218	426	513	0	513	465	
	141	211	168	20	B9999	126	01V01	FLDCT	ZZZZZ	00005	0.218	426	284	0	284	465	
	141	212	203	20	B9999	126	01V01	FLDCT	ZZZZZ	00006	0.218	426	666	0	666	465	
	141	213	236	20	B9999	126	01V01	FLDCT	ZZZZZ	00007	0.218	426	1027	0	1027	465	
	141	214	207	20	B9999	126	01V01	FLDCT	ZZZZZ	00008	0.218	426	710	0	710	465	
	141	215	207	20	B9999	126	01V01	FLDCT	ZZZZZ	00009	0.218	426	710	0	710	465	
	141	216	198	20	B9999	126	01V01	FLDCT	ZZZZZ	00010	0.218	426	612	0	612	465	
	141	217	176	20	B9999	126	01V01	FLDCT	ZZZZZ	00011	0.218	426	371	0	371	465	
	141	218	191	20	B9999	126	01V01	FLDCT	ZZZZZ	00012	0.218	426	535	0	535	465	
	141	219	183	20	B9999	126	01V01	FLDCT	ZZZZZ	00013	0.218	426	448	0	448	465	
	141	220	220	20	B9999	126	01V01	FLDCT	ZZZZZ	00014	0.218	426	852	0	852	465	
	141	221	264	20	B9999	126	01V01	FLDCT	ZZZZZ	00015	0.218	426	1332	0	1332	465	
														# Measurements	15		
														Average	612		
														Maximum	1332		
														STD DEV	279		
														95% CL on Mean	767		
Wall 1	141	5	187	20	B0001	126	01W01	FLDCT	A	00001	0.218	439	444	346	98	517	
	141	6	179	20	B0001	126	01W01	FLDCT	A	00002	0.218	439	357	346	11	517	
	141	7	147	20	B0001	126	01W01	FLDCT	A	00003	0.218	439	7	346	-339	517	
	141	8	156	20	B0001	126	01W01	FLDCT	A	00004	0.218	439	106	346	-240	517	
	141	9	205	20	B0001	126	01W01	FLDCT	A	00005	0.218	439	641	346	295	517	
	141	10	215	20	B0001	126	01W01	FLDCT	A	00006	0.218	439	750	346	404	517	
	141	11	222	20	B0001	126	01W01	FLDCT	A	00007	0.218	439	826	346	480	517	
	141	12	183	20	B0001	126	01W01	FLDCT	A	00008	0.218	439	400	346	54	517	
	141	13	200	20	B0001	126	01W01	FLDCT	A	00009	0.218	439	586	346	240	517	
	141	14	194	20	B0001	126	01W01	FLDCT	A	00010	0.218	439	521	346	175	517	
	141	15	201	20	B0001	126	01W01	FLDCT	A	00011	0.218	439	597	346	251	517	
	141	16	168	20	B0001	126	01W01	FLDCT	A	00012	0.218	439	237	346	-109	517	
	141	17	189	20	B0001	126	01W01	FLDCT	A	00013	0.218	439	466	346	120	517	
	141	18	187	20	B0001	126	01W01	FLDCT	A	00014	0.218	439	444	346	98	517	
	141	19	171	20	B0001	126	01W01	FLDCT	A	00015	0.218	439	269	346	-77	517	
	141	20	163	20	B0001	126	01W01	FLDCT	A	00016	0.218	439	182	346	-164	517	
	141	21	182	20	B0001	126	01W01	FLDCT	A	00017	0.218	439	390	346	44	517	
	141	22	160	20	B0001	126	01W01	FLDCT	A	00018	0.218	439	149	346	-197	517	
	141	23	164	20	B0001	126	01W01	FLDCT	A	00019	0.218	439	193	346	-153	517	
	141	24	146	20	B0001	126	01W01	FLDCT	A	00020	0.218	439	-4	346	-350	517	
	141	25	174	20	B0001	126	01W01	FLDCT	A	00021	0.218	439	302	346	-44	517	
	141	26	198	20	B0001	126	01W01	FLDCT	A	00022	0.218	439	564	346	218	517	
	141	27	172	20	B0001	126	01W01	FLDCT	A	00023	0.218	439	280	346	-66	517	
	141	28	175	20	B0001	126	01W01	FLDCT	A	00024	0.218	439	313	346	-33	517	
	141	29	187	20	B0001	126	01W01	FLDCT	A	00025	0.218	439	444	346	98	517	
	141	30	195	20	B0001	126	01W01	FLDCT	A	00026	0.218	439	532	346	186	517	
	141	31	185	20	B0001	126	01W01	FLDCT	A	00027	0.218	439	422	346	76	517	
	141	32	182	20	B0001	126	01W01	FLDCT	A	00028	0.218	439	390	346	44	517	
	141	33	193	20	B0001	126	01W01	FLDCT	A	00029	0.218	439	510	346	164	517	
	141	34	198	20	B0001	126	01W01	FLDCT	A	00030	0.218	439	564	346	218	517	
	141	35	189	20	B0001	126	01W01	FLDCT	A	00031	0.218	439	466	346	120	517	

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	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)	
	141	36	175	20	B0001	126	01W01	FLDCT	A	00032	0.218	439	313	346	-33	517	
	141	37	171	20	B0001	126	01W01	FLDCT	A	00033	0.218	439	269	346	-77	517	
	141	38	173	20	B0001	126	01W01	FLDCT	A	00034	0.218	439	291	346	-55	517	
	141	39	157	20	B0001	126	01W01	FLDCT	A	00035	0.218	439	116	346	-230	517	
	141	40	198	20	B0001	126	01W01	FLDCT	A	00036	0.218	439	564	346	218	517	
	141	41	195	20	B0001	126	01W01	FLDCT	A	00037	0.218	439	532	346	186	517	
	141	42	184	20	B0001	126	01W01	FLDCT	A	00038	0.218	439	411	346	65	517	
	141	43	192	20	B0001	126	01W01	FLDCT	A	00039	0.218	439	499	346	153	517	
	141	44	197	20	B0001	126	01W01	FLDCT	A	00040	0.218	439	553	346	207	517	
	141	45	170	20	B0001	126	01W01	FLDCT	A	00041	0.218	439	258	346	-88	517	
	141	46	208	20	B0001	126	01W01	FLDCT	A	00042	0.218	439	674	346	328	517	
	141	47	185	20	B0001	126	01W01	FLDCT	A	00043	0.218	439	422	346	76	517	
	141	48	148	20	B0001	126	01W01	FLDCT	A	00044	0.218	439	18	346	-328	517	
	141	49	145	20	B0001	126	01W01	FLDCT	A	00045	0.218	439	-15	346	-361	517	
	141	50	195	20	B0001	126	01W01	FLDCT	A	00046	0.218	439	532	346	186	517	
	141	51	165	20	B0001	126	01W01	FLDCT	A	00047	0.218	439	204	346	-142	517	
	141	52	200	20	B0001	126	01W01	FLDCT	A	00051	0.218	439	586	346	240	517	
	141	53	162	20	B0001	126	01W01	FLDCT	A	00055	0.218	439	171	346	-175	517	
	141	54	175	20	B0001	126	01W01	FLDCT	A	00056	0.218	439	313	346	-33	517	
	141	55	166	20	B0001	126	01W01	FLDCT	A	00057	0.218	439	215	346	-131	517	
	141	56	124	20	B0001	126	01W01	FLDCT	A	00058	0.218	439	-244	346	-590	517	
	141	57	200	20	B0001	126	01W01	FLDCT	A	00061	0.218	439	586	346	240	517	
	141	58	128	20	B0001	126	01W01	FLDCT	A	00062	0.218	439	-200	346	-546	517	
	141	59	177	20	B0001	126	01W01	FLDCT	A	00063	0.218	439	335	346	-11	517	
	141	60	170	20	B0001	126	01W01	FLDCT	A	00064	0.218	439	258	346	-88	517	
	141	61	188	20	B0001	126	01W01	FLDCT	A	00065	0.218	439	455	346	109	517	
	141	62	188	20	B0001	126	01W01	FLDCT	A	00066	0.218	439	455	346	109	517	
	141	63	208	20	B0001	126	01W01	FLDCT	A	00067	0.218	439	674	346	328	517	
	141	64	193	20	B0001	126	01W01	FLDCT	A	00068	0.218	439	510	346	164	517	
	141	65	245	20	B0001	126	01W01	FLDCT	A	00069	0.218	439	1078	346	732	517	
	141	66	231	20	B0001	126	01W01	FLDCT	A	00070	0.218	439	925	346	579	517	
	141	67	188	20	B0001	126	01W01	FLDCT	A	00071	0.218	439	455	346	109	517	
	141	68	181	20	B0001	126	01W01	FLDCT	A	00072	0.218	439	379	346	33	517	
	141	69	177	20	B0001	126	01W01	FLDCT	A	00073	0.218	439	335	346	-11	517	
	141	70	161	20	B0001	126	01W01	FLDCT	A	00074	0.218	439	160	346	-186	517	
	141	71	177	20	B0001	126	01W01	FLDCT	A	00075	0.218	439	335	346	-11	517	
	141	72	132	20	B0001	126	01W01	FLDCT	A	00076	0.218	439	-157	346	-503	517	
	141	73	191	20	B0001	126	01W01	FLDCT	A	00077	0.218	439	488	346	142	517	
	141	74	196	20	B0001	126	01W01	FLDCT	A	00085	0.218	439	542	346	196	517	
	141	75	172	20	B0001	126	01W01	FLDCT	A	00086	0.218	439	280	346	-66	517	
	141	76	163	20	B0001	126	01W01	FLDCT	B	00001	0.218	439	182	346	-164	517	
	141	77	185	20	B0001	126	01W01	FLDCT	B	00002	0.218	439	422	346	76	517	
	141	78	153	20	B0001	126	01W01	FLDCT	B	00003	0.218	439	73	346	-273	517	
	141	79	147	20	B0001	126	01W01	FLDCT	B	00004	0.218	439	7	346	-339	517	
	141	80	205	20	B0001	126	01W01	FLDCT	B	00005	0.218	439	641	346	295	517	
	141	81	230	20	B0001	126	01W01	FLDCT	B	00006	0.218	439	914	346	568	517	
	141	82	214	20	B0001	126	01W01	FLDCT	B	00007	0.218	439	739	346	393	517	
	141	83	177	20	B0001	126	01W01	FLDCT	B	00008	0.218	439	335	346	-11	517	
	141	84	161	20	B0001	126	01W01	FLDCT	B	00009	0.218	439	160	346	-186	517	
	141	85	196	20	B0001	126	01W01	FLDCT	B	00010	0.218	439	542	346	196	517	
	141	86	169	20	B0001	126	01W01	FLDCT	B	00011	0.218	439	248	346	-98	517	
	141	87	175	20	B0001	126	01W01	FLDCT	B	00012	0.218	439	313	346	-33	517	
	141	88	192	20	B0001	126	01W01	FLDCT	B	00013	0.218	439	499	346	153	517	
	141	89	171	20	B0001	126	01W01	FLDCT	B	00014	0.218	439	269	346	-77	517	

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	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)	
	141	90	178	20	B0001	126	01W01	FLDCT	B	00015	0.218	439	346	346	0	517	
	141	91	185	20	B0001	126	01W01	FLDCT	B	00016	0.218	439	422	346	76	517	
	141	92	206	20	B0001	126	01W01	FLDCT	B	00017	0.218	439	652	346	306	517	
	141	93	183	20	B0001	126	01W01	FLDCT	B	00018	0.218	439	400	346	54	517	
	141	94	186	20	B0001	126	01W01	FLDCT	B	00019	0.218	439	433	346	87	517	
	141	95	158	20	B0001	126	01W01	FLDCT	B	00020	0.218	439	127	346	-219	517	
	141	96	174	20	B0001	126	01W01	FLDCT	B	00021	0.218	439	302	346	-44	517	
	141	97	154	20	B0001	126	01W01	FLDCT	B	00022	0.218	439	84	346	-262	517	
	141	98	179	20	B0001	126	01W01	FLDCT	B	00023	0.218	439	357	346	11	517	
	141	99	175	20	B0001	126	01W01	FLDCT	B	00024	0.218	439	313	346	-33	517	
	141	100	174	20	B0001	126	01W01	FLDCT	B	00025	0.218	439	302	346	-44	517	
	141	101	183	20	B0001	126	01W01	FLDCT	B	00026	0.218	439	400	346	54	517	
	141	102	197	20	B0001	126	01W01	FLDCT	B	00027	0.218	439	553	346	207	517	
	141	103	182	20	B0001	126	01W01	FLDCT	B	00028	0.218	439	390	346	44	517	
	141	104	178	20	B0001	126	01W01	FLDCT	B	00029	0.218	439	346	346	0	517	
	141	105	196	20	B0001	126	01W01	FLDCT	B	00030	0.218	439	542	346	196	517	
	141	106	204	20	B0001	126	01W01	FLDCT	B	00031	0.218	439	630	346	284	517	
	141	107	178	20	B0001	126	01W01	FLDCT	B	00032	0.218	439	346	346	0	517	
	141	108	171	20	B0001	126	01W01	FLDCT	B	00033	0.218	439	269	346	-77	517	
	141	109	161	20	B0001	126	01W01	FLDCT	B	00034	0.218	439	160	346	-186	517	
	141	110	167	20	B0001	126	01W01	FLDCT	B	00035	0.218	439	226	346	-120	517	
	141	111	160	20	B0001	126	01W01	FLDCT	B	00036	0.218	439	149	346	-197	517	
	141	112	165	20	B0001	126	01W01	FLDCT	B	00037	0.218	439	204	346	-142	517	
	141	113	180	20	B0001	126	01W01	FLDCT	B	00038	0.218	439	368	346	22	517	
	141	114	206	20	B0001	126	01W01	FLDCT	B	00039	0.218	439	652	346	306	517	
	141	115	174	20	B0001	126	01W01	FLDCT	B	00040	0.218	439	302	346	-44	517	
	141	116	198	20	B0001	126	01W01	FLDCT	B	00041	0.218	439	564	346	218	517	
	141	117	188	20	B0001	126	01W01	FLDCT	B	00042	0.218	439	455	346	109	517	
	141	118	178	20	B0001	126	01W01	FLDCT	B	00043	0.218	439	346	346	0	517	
	141	119	169	20	B0001	126	01W01	FLDCT	B	00044	0.218	439	248	346	-98	517	
	141	120	184	20	B0001	126	01W01	FLDCT	B	00045	0.218	439	411	346	65	517	
	141	121	176	20	B0001	126	01W01	FLDCT	B	00046	0.218	439	324	346	-22	517	
	141	122	171	20	B0001	126	01W01	FLDCT	B	00047	0.218	439	269	346	-77	517	
	141	123	184	20	B0001	126	01W01	FLDCT	B	00051	0.218	439	411	346	65	517	
	141	124	149	20	B0001	126	01W01	FLDCT	B	00055	0.218	439	29	346	-317	517	
	141	125	161	20	B0001	126	01W01	FLDCT	B	00056	0.218	439	160	346	-186	517	
	141	126	156	20	B0001	126	01W01	FLDCT	B	00057	0.218	439	106	346	-240	517	
	141	127	139	20	B0001	126	01W01	FLDCT	B	00058	0.218	439	-80	346	-426	517	
	141	128	179	20	B0001	126	01W01	FLDCT	B	00061	0.218	439	357	346	11	517	
	141	129	211	20	B0001	126	01W01	FLDCT	B	00062	0.218	439	706	346	360	517	
	141	130	187	20	B0001	126	01W01	FLDCT	B	00063	0.218	439	444	346	98	517	
	141	131	159	20	B0001	126	01W01	FLDCT	B	00064	0.218	439	138	346	-208	517	
	141	132	181	20	B0001	126	01W01	FLDCT	B	00065	0.218	439	379	346	33	517	
	141	133	165	20	B0001	126	01W01	FLDCT	B	00066	0.218	439	204	346	-142	517	
	141	134	176	20	B0001	126	01W01	FLDCT	B	00067	0.218	439	324	346	-22	517	
	141	135	173	20	B0001	126	01W01	FLDCT	B	00068	0.218	439	291	346	-55	517	
	141	136	211	20	B0001	126	01W01	FLDCT	B	00069	0.218	439	706	346	360	517	
	141	137	203	20	B0001	126	01W01	FLDCT	B	00070	0.218	439	619	346	273	517	
	141	138	202	20	B0001	126	01W01	FLDCT	B	00071	0.218	439	608	346	262	517	
	141	139	186	20	B0001	126	01W01	FLDCT	B	00072	0.218	439	433	346	87	517	
	141	140	169	20	B0001	126	01W01	FLDCT	B	00073	0.218	439	248	346	-98	517	
	141	141	186	20	B0001	126	01W01	FLDCT	B	00074	0.218	439	433	346	87	517	
	141	142	165	20	B0001	126	01W01	FLDCT	B	00075	0.218	439	204	346	-142	517	
	141	143	202	20	B0001	126	01W01	FLDCT	B	00076	0.218	439	608	346	262	517	

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	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)	
	141	144	206	20	B0001	126	01W01	FLDCT	B	00077	0.218	439	652	346	306	517	
	141	145	184	20	B0001	126	01W01	FLDCT	B	00085	0.218	439	411	346	65	517	
	141	146	197	20	B0001	126	01W01	FLDCT	B	00086	0.218	439	553	346	207	517	
	141	148	81	20	B9999	126	01W01	FLDCT	A	00052	0.218	236	25	0	25	354	
	141	149	67	20	B9999	126	01W01	FLDCT	A	00053	0.218	236	-127	0	-127	354	
	141	150	80	20	B9999	126	01W01	FLDCT	A	00054	0.218	236	15	0	15	354	
	141	151	102	20	B9999	126	01W01	FLDCT	A	00059	0.218	236	255	0	255	354	
	141	152	96	20	B9999	126	01W01	FLDCT	A	00060	0.218	236	189	0	189	354	
	141	153	85	20	B9999	126	01W01	FLDCT	A	00078	0.218	236	69	0	69	354	
	141	154	102	20	B9999	126	01W01	FLDCT	A	00079	0.218	236	255	0	255	354	
	141	155	73	20	B9999	126	01W01	FLDCT	A	00080	0.218	236	-62	0	-62	354	
	141	156	87	20	B9999	126	01W01	FLDCT	A	00081	0.218	236	91	0	91	354	
	141	157	95	20	B9999	126	01W01	FLDCT	A	00082	0.218	236	178	0	178	354	
	141	158	89	20	B9999	126	01W01	FLDCT	A	00083	0.218	236	113	0	113	354	
	141	159	107	20	B9999	126	01W01	FLDCT	A	00084	0.218	236	309	0	309	354	
	141	160	97	20	B9999	126	01W01	FLDCT	B	00052	0.218	236	200	0	200	354	
	141	161	83	20	B9999	126	01W01	FLDCT	B	00053	0.218	236	47	0	47	354	
	141	162	67	20	B9999	126	01W01	FLDCT	B	00054	0.218	236	-127	0	-127	354	
	141	163	101	20	B9999	126	01W01	FLDCT	B	00059	0.218	236	244	0	244	354	
	141	164	113	20	B9999	126	01W01	FLDCT	B	00060	0.218	236	375	0	375	354	
	141	165	90	20	B9999	126	01W01	FLDCT	B	00078	0.218	236	124	0	124	354	
	141	166	96	20	B9999	126	01W01	FLDCT	B	00079	0.218	236	189	0	189	354	
	141	167	94	20	B9999	126	01W01	FLDCT	B	00080	0.218	236	167	0	167	354	
	141	168	92	20	B9999	126	01W01	FLDCT	B	00081	0.218	236	146	0	146	354	
	141	169	85	20	B9999	126	01W01	FLDCT	B	00082	0.218	236	69	0	69	354	
	141	170	91	20	B9999	126	01W01	FLDCT	B	00083	0.218	236	135	0	135	354	
Wall 2	141	171	100	20	B9999	126	01W01	FLDCT	B	00084	0.218	236	233	0	233	354	
	141	224	210	20	B0001	126	01W02	FLDCT	A	00001	0.218	324	1115	346	769	461	
	141	225	141	20	B0001	126	01W02	FLDCT	A	00002	0.218	324	362	346	16	461	
	141	226	101	20	B0001	126	01W02	FLDCT	A	00003	0.218	324	-75	346	-421	461	
	141	227	126	20	B0001	126	01W02	FLDCT	A	00004	0.218	324	198	346	-148	461	
	141	228	124	20	B0001	126	01W02	FLDCT	A	00005	0.218	324	176	346	-170	461	
	141	229	197	20	B0001	126	01W02	FLDCT	B	00001	0.218	324	973	346	627	461	
	141	230	127	20	B0001	126	01W02	FLDCT	B	00002	0.218	324	209	346	-137	461	
	141	231	111	20	B0001	126	01W02	FLDCT	B	00003	0.218	324	34	346	-312	461	
	141	232	105	20	B0001	126	01W02	FLDCT	B	00004	0.218	324	-31	346	-377	461	
Wall 3	141	233	115	20	B0001	126	01W02	FLDCT	B	00005	0.218	324	78	346	-268	461	
	141	254	89	20	B9999	126	01W03	FLDCT	A	00001	0.218	330	-229	0	-229	413	
	141	255	137	20	B9999	126	01W03	FLDCT	A	00002	0.218	330	295	0	295	413	
	141	256	121	20	B9999	126	01W03	FLDCT	A	00004	0.218	330	120	0	120	413	
	141	257	102	20	B9999	126	01W03	FLDCT	A	00005	0.218	330	-87	0	-87	413	
	141	258	105	20	B9999	126	01W03	FLDCT	B	00005	0.218	330	-55	0	-55	413	
	141	259	124	20	B9999	126	01W03	FLDCT	B	00004	0.218	330	153	0	153	413	
	141	260	114	20	B9999	126	01W03	FLDCT	B	00003	0.218	330	44	0	44	413	
	141	261	127	20	B9999	126	01W03	FLDCT	B	00002	0.218	330	186	0	186	413	
	141	262	110	20	B9999	126	01W03	FLDCT	B	00001	0.218	330	0	0	0	413	
Wall 4	141	234	127	20	B0001	126	01W04	FLDCT	A	00001	0.218	324	209	346	-137	461	
	141	235	148	20	B0001	126	01W04	FLDCT	A	00002	0.218	324	438	346	92	461	
	141	236	113	20	B0001	126	01W04	FLDCT	A	00003	0.218	324	56	346	-290	461	
	141	237	105	20	B0001	126	01W04	FLDCT	A	00004	0.218	324	-31	346	-377	461	
	141	238	142	20	B0001	126	01W04	FLDCT	A	00005	0.218	324	373	346	27	461	
	141	239	119	20	B0001	126	01W04	FLDCT	B	00001	0.218	324	122	346	-224	461	
	141	240	123	20	B0001	126	01W04	FLDCT	B	00002	0.218	324	165	346	-181	461	
	141	241	100	20	B0001	126	01W04	FLDCT	B	00003	0.218	324	-86	346	-432	461	

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	Net Activity ($dpm/100cm^2$)	MDA ($dpm/100cm^2$)	
	141	242	134	20	B0001	126	01W04	FLDCT	B	00004	0.218	324	285	346	-61	461	
	141	243	144	20	B0001	126	01W04	FLDCT	B	00005	0.218	324	395	346	49	461	
Wall 5	141	244	215	20	B0001	126	01W05	FLDCT	A	00001	0.218	473	627	346	281	532	
	141	245	182	20	B0001	126	01W05	FLDCT	A	00002	0.218	473	267	346	-79	532	
	141	246	177	20	B0001	126	01W05	FLDCT	A	00003	0.218	473	212	346	-134	532	
	141	247	164	20	B0001	126	01W05	FLDCT	A	00004	0.218	473	70	346	-276	532	
	141	248	198	20	B0001	126	01W05	FLDCT	B	00001	0.218	473	442	346	96	532	
	141	249	181	20	B0001	126	01W05	FLDCT	B	00002	0.218	473	256	346	-90	532	
	141	250	157	20	B0001	126	01W05	FLDCT	B	00003	0.218	473	-6	346	-352	532	
	141	251	174	20	B0001	126	01W05	FLDCT	B	00004	0.218	473	179	346	-167	532	
														# Measurements	203		
														Average	24		
														Maximum	769		
														STD DEV	223		
														95% CL on Mean	55		

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 #141

ATTACHMENT 6.14
SURVEY DOWNLOAD DATA SHEET

077

wnload Print
Technician: Name: D. Schumacker Signature: Station: 141
Serial No. Verification: Model 2350: ☐ Detector: ☐ Problems: ☐ (See Comments) File: 2

Survey Technician(s):
Print Name: Betty S. Kjos User ID BSK Signature: Date: 6-20-01

Print Name: User ID Signature: Date:

Survey Unit Description: A0304 1st Floor Below 2 Meters, Walls 1-5 & 01V01 (A0305 010H1 & 010H3)
(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: 12-6-01 Detector: 12-6-01

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

Type of easurement	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	091050	43-68B	.218	5497/410	141	141
☐ Alpha α		43-68A				
☐ Gamma γ		44-2	N/A			

Local Area Background Measurements (01W01 - B0001 avg = 439 cpm) (01W01 - B0004 avg = 236 cpm) Pre-Post (010H1)/5 (01V01 avg = 426) (01W02, 01W04) (01W05) (01W03 avg = 330 cpm) MEAN Value in cpm !

10 Minute β Beta	14322/4451	22242/2479	34600/4611	44202/4310	53236/4727	63300/3308	382
α Alpha	1	2	3 (010H2)	4	5	6	

COMMENTS: A copy of this download can be found in package 05 (1st floor above 2 meters)

GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

Direct Beta Survey Report, dpm/100 cm2

File Number: 141	Survey Description: A0304: RX BUILDING 1st FLOOR BELOW 2 METERS,WALLS 1-5,01V01,01H01		
Survey Reason: TERMINATION	User ID: BSK0490	Technician name: B.S. Kjos	
Instrument Model: 2350-1	S/N: 129429	Calibration Due: 12/06/01	Group: 2
Detector Model: 43-68B	Detector S/N: 091050	Type: 126 cm2 Gas Proportional Detector, Beta Window	
Background: 382 cpm	Beta Efficiency: .218		Survey Date: 6/20/01

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 7 pages of the report, 1 pages of comments, and 1 graph.

I performed this survey: Betty S. Kjos / Betty S Kjos Date: 7-2-01
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: 7/2/01
Print name Signature

Survey Date: 6/20/01 Report Date: 7/02/01 Page: 1
File: 141 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01V01	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B9999	ZZZZZ	00000	206	600	4202	139	
FLDBK	B9999	ZZZZZ	00000	222	600	4310	178	
						Group Average:	159	
FLDCT	B9999	ZZZZZ	00001	207	20	167	433	
FLDCT	B9999	ZZZZZ	00002	208	20	175	521	
FLDCT	B9999	ZZZZZ	00003	209	20	187	652	
FLDCT	B9999	ZZZZZ	00004	210	20	189	674	
FLDCT	B9999	ZZZZZ	00005	211	20	168	444	
FLDCT	B9999	ZZZZZ	00006	212	20	203	826	
FLDCT	B9999	ZZZZZ	00007	213	20	236	1187	
FLDCT	B9999	ZZZZZ	00008	214	20	207	870	
FLDCT	B9999	ZZZZZ	00009	215	20	207	870	
FLDCT	B9999	ZZZZZ	00010	216	20	198	772	
FLDCT	B9999	ZZZZZ	00011	217	20	176	532	
FLDCT	B9999	ZZZZZ	00012	218	20	191	695	
FLDCT	B9999	ZZZZZ	00013	219	20	183	608	
FLDCT	B9999	ZZZZZ	00014	220	20	220	1012	
FLDCT	B9999	ZZZZZ	00015	221	20	264	1493	
						Group Average:	773	

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01W01	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B0001	ZZZZZ	00000	4	600	4322	183	
FLDBK	B9999	ZZZZZ	00000	147	600	2242	-574	
FLDBK	B9999	ZZZZZ	00000	172	600	2479	-488	
FLDBK	B0001	ZZZZZ	00000	173	600	4451	230	
						Group Average:	-163	
FLDCT	B0001	A	00001	5	20	187	652	
FLDCT	B0001	A	00002	6	20	179	564	
FLDCT	B0001	A	00003	7	20	147	215	
FLDCT	B0001	A	00004	8	20	156	313	
FLDCT	B0001	A	00005	9	20	205	848	
FLDCT	B0001	A	00006	10	20	215	957	
FLDCT	B0001	A	00007	11	20	222	1034	
FLDCT	B0001	A	00008	12	20	183	608	
FLDCT	B0001	A	00009	13	20	200	794	
FLDCT	B0001	A	00010	14	20	194	728	
FLDCT	B0001	A	00011	15	20	201	805	
FLDCT	B0001	A	00012	16	20	168	444	
FLDCT	B0001	A	00013	17	20	189	674	
FLDCT	B0001	A	00014	18	20	187	652	
FLDCT	B0001	A	00015	19	20	171	477	
FLDCT	B0001	A	00016	20	20	163	390	
FLDCT	B0001	A	00017	21	20	182	597	
FLDCT	B0001	A	00018	22	20	160	357	
FLDCT	B0001	A	00019	23	20	164	400	
FLDCT	B0001	A	00020	24	20	146	204	
LDCT	B0001	A	00021	25	20	174	510	
DCT	B0001	A	00022	26	20	198	772	
LDCT	B0001	A	00023	27	20	172	488	
FLDCT	B0001	A	00024	28	20	175	521	
FLDCT	B0001	A	00025	29	20	187	652	

* Hi flag set at 2400 dpm/100 cm2

Survey Date: 6/20/01 Report Date: 7/02/01 Page: 2
File: 141 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01W01	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDCT	B0001	A	00026	30	20	195	739	
FLDCT	B0001	A	00027	31	20	185	630	
FLDCT	B0001	A	00028	32	20	182	597	
FLDCT	B0001	A	00029	33	20	193	717	
FLDCT	B0001	A	00030	34	20	198	772	
FLDCT	B0001	A	00031	35	20	189	674	
FLDCT	B0001	A	00032	36	20	175	521	
FLDCT	B0001	A	00033	37	20	171	477	
FLDCT	B0001	A	00034	38	20	173	499	
FLDCT	B0001	A	00035	39	20	157	324	
FLDCT	B0001	A	00036	40	20	198	772	
FLDCT	B0001	A	00037	41	20	195	739	
FLDCT	B0001	A	00038	42	20	184	619	
FLDCT	B0001	A	00039	43	20	192	706	
FLDCT	B0001	A	00040	44	20	197	761	
FLDCT	B0001	A	00041	45	20	170	466	
FLDCT	B0001	A	00042	46	20	208	881	
FLDCT	B0001	A	00043	47	20	185	630	
FLDCT	B0001	A	00044	48	20	148	226	
FLDCT	B0001	A	00045	49	20	145	193	
FLDCT	B0001	A	00046	50	20	195	739	
FLDCT	B0001	A	00047	51	20	165	411	
FLDCT	B0001	A	00051	52	20	200	794	
FLDCT	B0001	A	00055	53	20	162	379	
FLDCT	B0001	A	00056	54	20	175	521	
FLDCT	B0001	A	00057	55	20	166	422	
FLDCT	B0001	A	00058	56	20	124	-36	
FLDCT	B0001	A	00061	57	20	200	794	
FLDCT	B0001	A	00062	58	20	128	7	
FLDCT	B0001	A	00063	59	20	177	542	
FLDCT	B0001	A	00064	60	20	170	466	
FLDCT	B0001	A	00065	61	20	188	663	
FLDCT	B0001	A	00066	62	20	188	663	
FLDCT	B0001	A	00067	63	20	208	881	
FLDCT	B0001	A	00068	64	20	193	717	
FLDCT	B0001	A	00069	65	20	245	1285	
FLDCT	B0001	A	00070	66	20	231	1132	
FLDCT	B0001	A	00071	67	20	188	663	
FLDCT	B0001	A	00072	68	20	181	586	
FLDCT	B0001	A	00073	69	20	177	542	
FLDCT	B0001	A	00074	70	20	161	368	
FLDCT	B0001	A	00075	71	20	177	542	
FLDCT	B0001	A	00076	72	20	132	51	
FLDCT	B0001	A	00077	73	20	191	695	
FLDCT	B0001	A	00085	74	20	196	750	
FLDCT	B0001	A	00086	75	20	172	488	
FLDCT	B0001	B	00001	76	20	163	390	
FLDCT	B0001	B	00002	77	20	185	630	
FLDCT	B0001	B	00003	78	20	153	280	
FLDCT	B0001	B	00004	79	20	147	215	
FLDCT	B0001	B	00005	80	20	205	848	
FLDCT	B0001	B	00006	81	20	230	1121	
FLDCT	B0001	B	00007	82	20	214	947	
FLDCT	B0001	B	00008	83	20	177	542	
FLDCT	B0001	B	00009	84	20	161	368	
FLDCT	B0001	B	00010	85	20	196	750	
FLDCT	B0001	B	00011	86	20	169	455	
FLDCT	B0001	B	00012	87	20	175	521	
FLDCT	B0001	B	00013	88	20	192	706	
FLDCT	B0001	B	00014	89	20	171	477	
FLDCT	B0001	B	00015	90	20	178	553	
FLDCT	B0001	B	00016	91	20	185	630	
FLDCT	B0001	B	00017	92	20	206	859	
FLDCT	B0001	B	00018	93	20	183	608	

* Hi flag set at 2400 dpm/100 cm2

Survey Date: 6/20/01 Report Date: 7/02/01 Page: 3
File: 141 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01W01	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDCT	B0001	B	00019	94	20	186	641	
FLDCT	B0001	B	00020	95	20	158	335	
FLDCT	B0001	B	00021	96	20	174	510	
FLDCT	B0001	B	00022	97	20	154	291	
FLDCT	B0001	B	00023	98	20	179	564	
FLDCT	B0001	B	00024	99	20	175	521	
FLDCT	B0001	B	00025	100	20	174	510	
FLDCT	B0001	B	00026	101	20	183	608	
FLDCT	B0001	B	00027	102	20	197	761	
FLDCT	B0001	B	00028	103	20	182	597	
FLDCT	B0001	B	00029	104	20	178	553	
FLDCT	B0001	B	00030	105	20	196	750	
FLDCT	B0001	B	00031	106	20	204	837	
FLDCT	B0001	B	00032	107	20	178	553	
FLDCT	B0001	B	00033	108	20	171	477	
FLDCT	B0001	B	00034	109	20	161	368	
FLDCT	B0001	B	00035	110	20	167	433	
FLDCT	B0001	B	00036	111	20	160	357	
FLDCT	B0001	B	00037	112	20	165	411	
FLDCT	B0001	B	00038	113	20	180	575	
FLDCT	B0001	B	00039	114	20	206	859	
FLDCT	B0001	B	00040	115	20	174	510	
FLDCT	B0001	B	00041	116	20	198	772	
FLDCT	B0001	B	00042	117	20	188	663	
FLDCT	B0001	B	00043	118	20	178	553	
FLDCT	B0001	B	00044	119	20	169	455	
FLDCT	B0001	B	00045	120	20	184	619	
FLDCT	B0001	B	00046	121	20	176	532	
FLDCT	B0001	B	00047	122	20	171	477	
FLDCT	B0001	B	00051	123	20	184	619	
FLDCT	B0001	B	00055	124	20	149	237	
FLDCT	B0001	B	00056	125	20	161	368	
FLDCT	B0001	B	00057	126	20	156	313	
FLDCT	B0001	B	00058	127	20	139	127	
FLDCT	B0001	B	00061	128	20	179	564	
FLDCT	B0001	B	00062	129	20	211	914	
FLDCT	B0001	B	00063	130	20	187	652	
FLDCT	B0001	B	00064	131	20	159	346	
FLDCT	B0001	B	00065	132	20	181	586	
FLDCT	B0001	B	00066	133	20	165	411	
FLDCT	B0001	B	00067	134	20	176	532	
FLDCT	B0001	B	00068	135	20	173	499	
FLDCT	B0001	B	00069	136	20	211	914	
FLDCT	B0001	B	00070	137	20	203	826	
FLDCT	B0001	B	00071	138	20	202	815	
FLDCT	B0001	B	00072	139	20	186	641	
FLDCT	B0001	B	00073	140	20	169	455	
FLDCT	B0001	B	00074	141	20	186	641	
FLDCT	B0001	B	00075	142	20	165	411	
FLDCT	B0001	B	00076	143	20	202	815	
FLDCT	B0001	B	00077	144	20	206	859	
FLDCT	B0001	B	00085	145	20	184	619	
FLDCT	B0001	B	00086	146	20	197	761	
FLDCT	B9999	A	00052	148	20	81	-506	
FLDCT	B9999	A	00053	149	20	67	-659	
FLDCT	B9999	A	00054	150	20	80	-517	
FLDCT	B9999	A	00059	151	20	102	-277	
FLDCT	B9999	A	00060	152	20	96	-342	
FLDCT	B9999	A	00078	153	20	85	-462	
FLDCT	B9999	A	00079	154	20	102	-277	
FLDCT	B9999	A	00080	155	20	73	-593	
FLDCT	B9999	A	00081	156	20	87	-441	
FLDCT	B9999	A	00082	157	20	95	-353	
FLDCT	B9999	A	00083	158	20	89	-419	

* Hi flag set at 2400 dpm/100 cm2

Survey Date: 6/20/01 Report Date: 7/02/01 Page: 4
File: 141 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01W01	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDCT	B9999	A	00084	159	20	107	-222	
FLDCT	B9999	B	00052	160	20	97	-331	
FLDCT	B9999	B	00053	161	20	83	-484	
FLDCT	B9999	B	00054	162	20	67	-659	
FLDCT	B9999	B	00059	163	20	101	-288	
FLDCT	B9999	B	00060	164	20	113	-157	
FLDCT	B9999	B	00078	165	20	90	-408	
FLDCT	B9999	B	00079	166	20	96	-342	
FLDCT	B9999	B	00080	167	20	94	-364	
FLDCT	B9999	B	00081	168	20	92	-386	
FLDCT	B9999	B	00082	169	20	85	-462	
FLDCT	B9999	B	00083	170	20	91	-397	
FLDCT	B9999	B	00084	171	20	100	-299	
						Group Average:	439	

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01W02	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B0001	ZZZZZ	00000	223	600	3236	-213	
						Group Average:	-213	
FLDCT	B0001	A	00001	224	20	210	903	
FLDCT	B0001	A	00002	225	20	141	149	
FLDCT	B0001	A	00003	226	20	101	-288	
FLDCT	B0001	A	00004	227	20	126	-15	
FLDCT	B0001	A	00005	228	20	124	-36	
FLDCT	B0001	B	00001	229	20	197	761	
FLDCT	B0001	B	00002	230	20	127	-4	
FLDCT	B0001	B	00003	231	20	111	-178	
FLDCT	B0001	B	00004	232	20	105	-244	
FLDCT	B0001	B	00005	233	20	115	-135	
						Group Average:	91	

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01W03	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B9999	ZZZZZ	00000	253	600	3300	-189	
FLDBK	B9999	ZZZZZ	00000	263	600	3308	-186	
						Group Average:	-188	
FLDCT	B9999	A	00001	254	20	89	-419	
FLDCT	B9999	A	00002	255	20	137	106	
FLDCT	B9999	A	00004	256	20	121	-69	
FLDCT	B9999	A	00005	257	20	102	-277	
FLDCT	B9999	B	00005	258	20	105	-244	
FLDCT	B9999	B	00004	259	20	124	-36	
FLDCT	B9999	B	00003	260	20	114	-146	
FLDCT	B9999	B	00002	261	20	127	-4	

* Hi flag set at 2400 dpm/100 cm2

Survey Date: 6/20/01 Report Date: 7/02/01 Page: 5
File: 141 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01W03	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDCT	B9999	B	00001	262	20	110	-189	
						Group Average:	-142	

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01W04	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDCT	B0001	A	00001	234	20	127	-4	
FLDCT	B0001	A	00002	235	20	148	226	
FLDCT	B0001	A	00003	236	20	113	-157	
FLDCT	B0001	A	00004	237	20	105	-244	
FLDCT	B0001	A	00005	238	20	142	160	
FLDCT	B0001	B	00001	239	20	119	-91	
FLDCT	B0001	B	00002	240	20	123	-47	
FLDCT	B0001	B	00003	241	20	100	-299	
FLDCT	B0001	B	00004	242	20	134	73	
FLDCT	B0001	B	00005	243	20	144	182	
						Group Average:	-20	

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01W05	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B0001	ZZZZZ	00000	252	600	4727	330	
						Group Average:	330	
FLDCT	B0001	A	00001	244	20	215	957	
FLDCT	B0001	A	00002	245	20	182	597	
FLDCT	B0001	A	00003	246	20	177	542	
FLDCT	B0001	A	00004	247	20	164	400	
FLDCT	B0001	B	00001	248	20	198	772	
FLDCT	B0001	B	00002	249	20	181	586	
FLDCT	B0001	B	00003	250	20	157	324	
FLDCT	B0001	B	00004	251	20	174	510	
						Group Average:	586	

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0305	010H1	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B0001	ZZZZZ	00000	174	600	4600	284	
						Group Average:	284	
FLDCT	B0001	ZZZZZ	00001	175	20	176	532	

* Hi flag set at 2400 dpm/100 cm2

Survey Date: 6/20/01 Report Date: 7/02/01 Page: 6
File: 141 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0305	010H1	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDCT	B0001	ZZZZZ	00002	176	20	189	674	
FLDCT	B0001	ZZZZZ	00003	177	20	194	728	
FLDCT	B0001	ZZZZZ	00004	178	20	178	553	
FLDCT	B0001	ZZZZZ	00005	179	20	181	586	
FLDCT	B0001	ZZZZZ	00006	180	20	178	553	
FLDCT	B0001	ZZZZZ	00007	181	20	174	510	
FLDCT	B0001	ZZZZZ	00008	182	20	261	1460	
FLDCT	B0001	ZZZZZ	00009	183	20	187	652	
FLDCT	B0001	ZZZZZ	00010	184	20	187	652	
FLDCT	B0001	ZZZZZ	00011	185	20	157	324	
FLDCT	B0001	ZZZZZ	00012	186	20	159	346	
FLDCT	B0001	ZZZZZ	00013	187	20	176	532	
FLDCT	B0001	ZZZZZ	00014	188	20	178	553	
FLDCT	B0001	ZZZZZ	00015	189	20	200	794	
FLDCT	B0001	ZZZZZ	00016	190	20	201	805	
FLDCT	B0001	ZZZZZ	00017	191	20	173	499	
FLDCT	B0001	ZZZZZ	00018	192	20	168	444	
FLDCT	B0001	ZZZZZ	00019	193	20	189	674	
FLDCT	B0001	ZZZZZ	00020	194	20	183	608	
						Group Average:	624	

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0305	010H2	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B0001	ZZZZZ	00000	205	600	4611	288	
						Group Average:	288	
FLDCT	B0001	ZZZZZ	00001	195	20	129	18	
FLDCT	B0001	ZZZZZ	00002	196	20	173	499	
FLDCT	B0001	ZZZZZ	00003	197	20	207	870	
FLDCT	B0001	ZZZZZ	00004	198	20	192	706	
FLDCT	B0001	ZZZZZ	00005	199	20	206	859	
FLDCT	B0001	ZZZZZ	00006	200	20	205	848	
FLDCT	B0001	ZZZZZ	00007	201	20	192	706	
FLDCT	B0001	ZZZZZ	00008	202	20	193	717	
FLDCT	B0001	ZZZZZ	00009	203	20	175	521	
FLDCT	B0001	ZZZZZ	00010	204	20	210	903	
						Group Average:	665	

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	EZ260	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PTB00	ZZZZZ	ZZZZZ	00000	265	60	5827	19823	*
PTB00	ZZZZZ	ZZZZZ	00000	266	60	6045	20617	*
PTB00	ZZZZZ	ZZZZZ	00000	267	60	6018	20518	*
						Group Average:	20319	

* Hi flag set at 2400 dpm/100 cm2

Survey Date: 6/20/01 Report Date: 7/02/01 Page: 7
File: 141 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	ZZZZZ	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PTBBK	ZZZZZ	ZZZZZ	00000	264	600	4219	145	
						Group Average:	145	

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	EZ260	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRB00	ZZZZZ	ZZZZZ	00000	1	60	5798	19717	*
PRB00	ZZZZZ	ZZZZZ	00000	2	60	6049	20631	*
PRB00	ZZZZZ	ZZZZZ	00000	3	60	5874	19994	*
						Group Average:	20114	

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	ZZZZZ	TAT01	02200	Det Cal Due: 12/06/01

5 tTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	4096	100	
						Group Average:	100	

Total Number of Measurements on this Report: 268

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

7/02/01 Comments Report for File 141 Station: 2

Comment Number	Comment
1	Changed L2(Surface Cat) from 010H1 to 010H2 for Samples from 195 to 204 because incorrect code entered. Changed L8(LocNum) from 21-30 to 1-10 for samples 195 to 204 because incorrect code entered.
2	Changed L1(Package ID) from A0304 to A0305 for Samples from 174 to 205 because incorrect location code used.

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

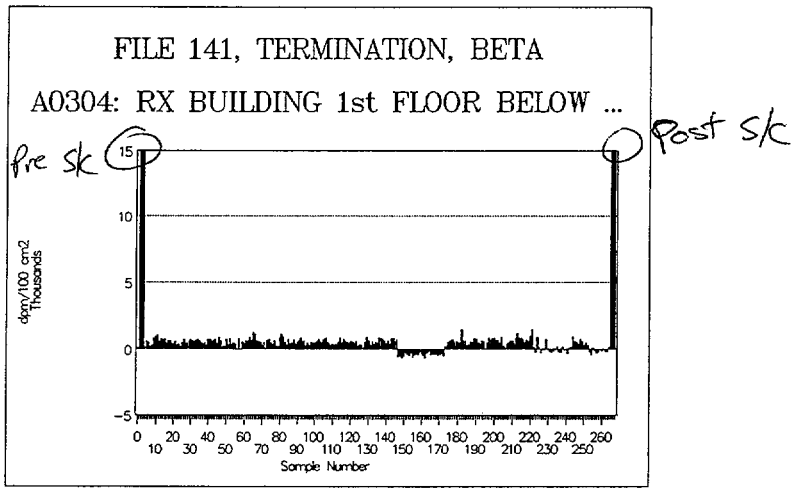
GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

7/02/2001 Graph of File 141 Station: 2

Survey Date: 6/20/2001 Survey Start Time: 13:34:50

Description: A0304: RX BUILDING 1st FLOOR BELOW 2 METERS,WALLS 1-5,01V01,01

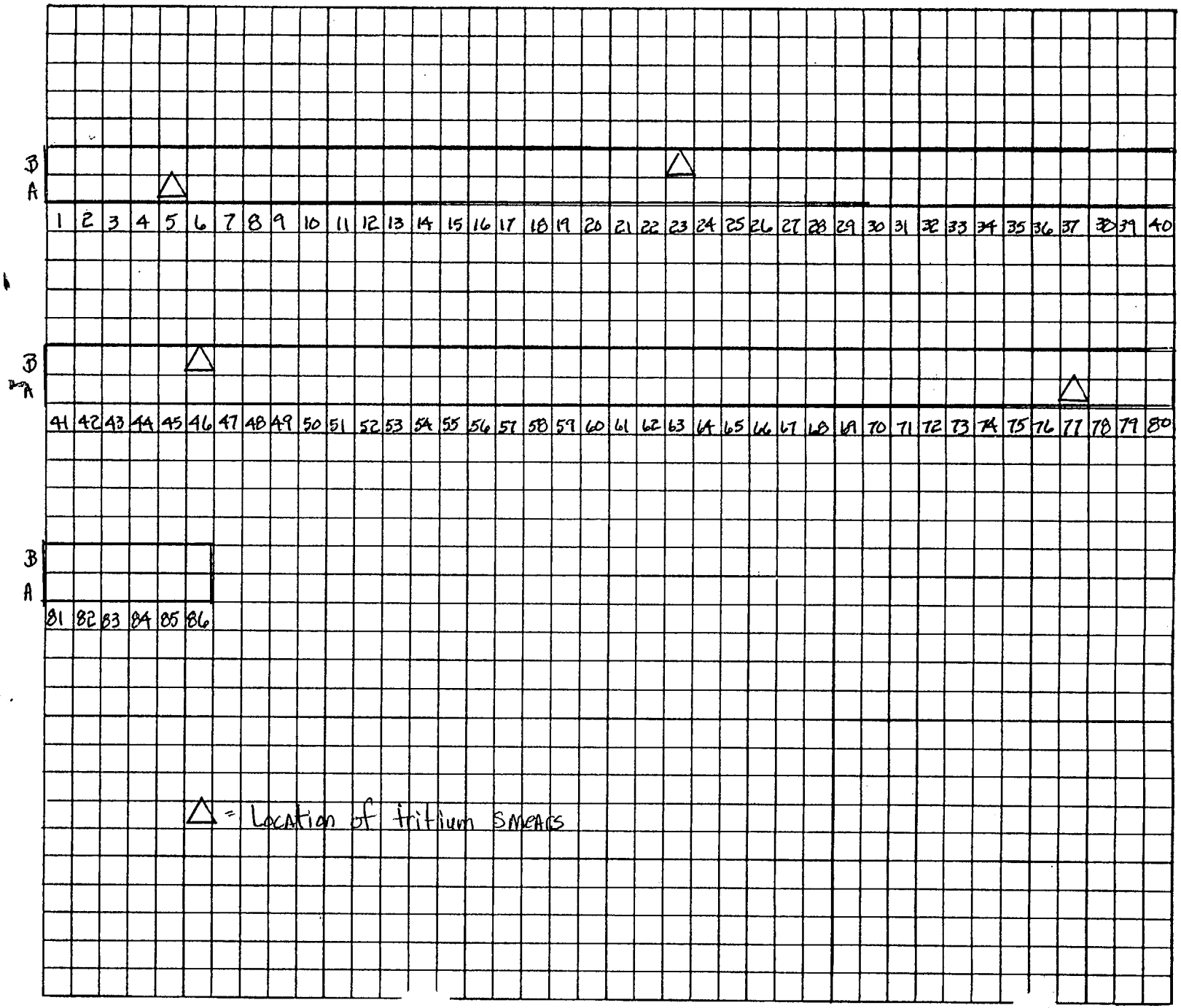


Flag set for 2400 dpm/100 cm2. Review values greater than this value.

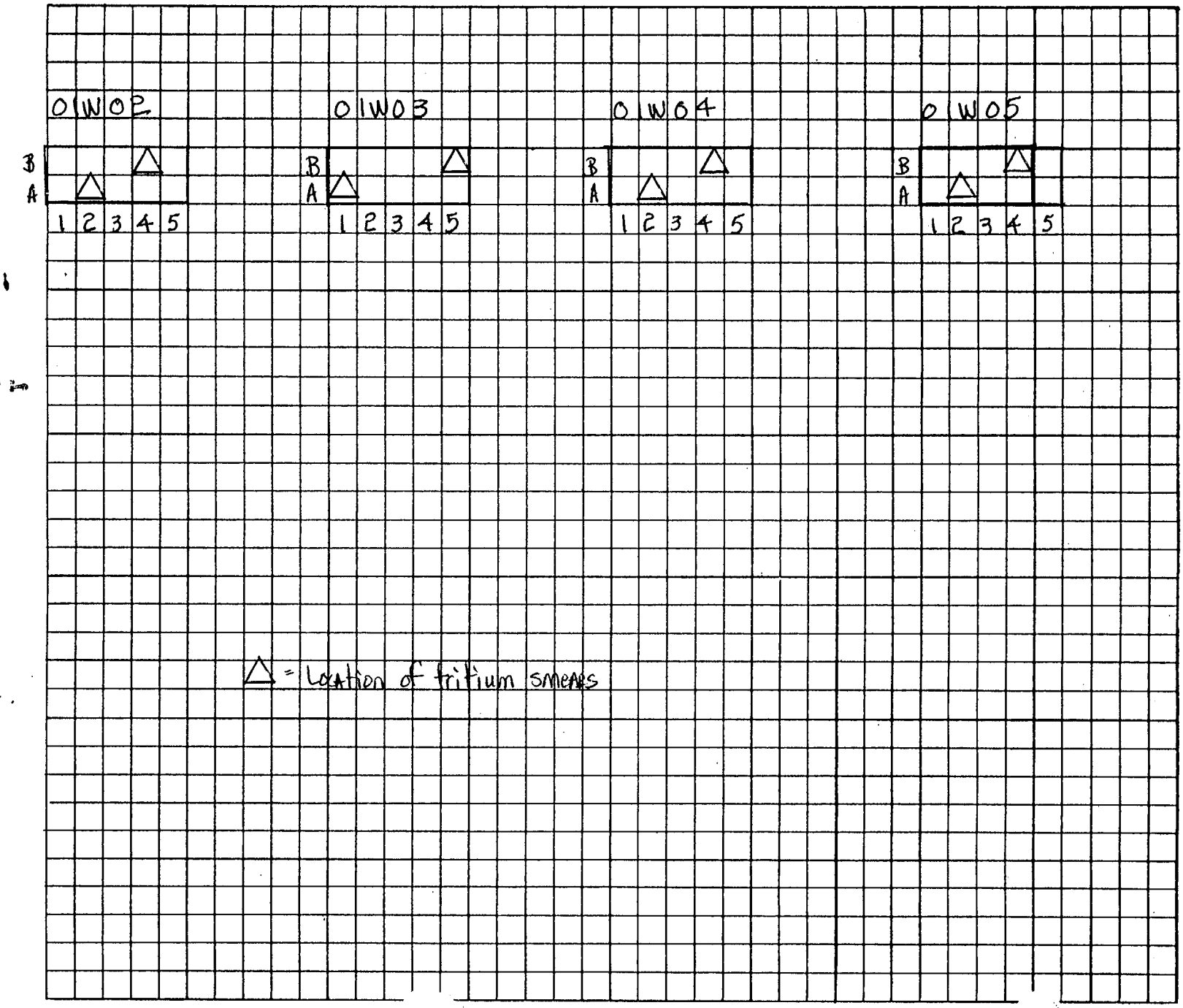
Review this graph for visual outliers.

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

A0304
01W01

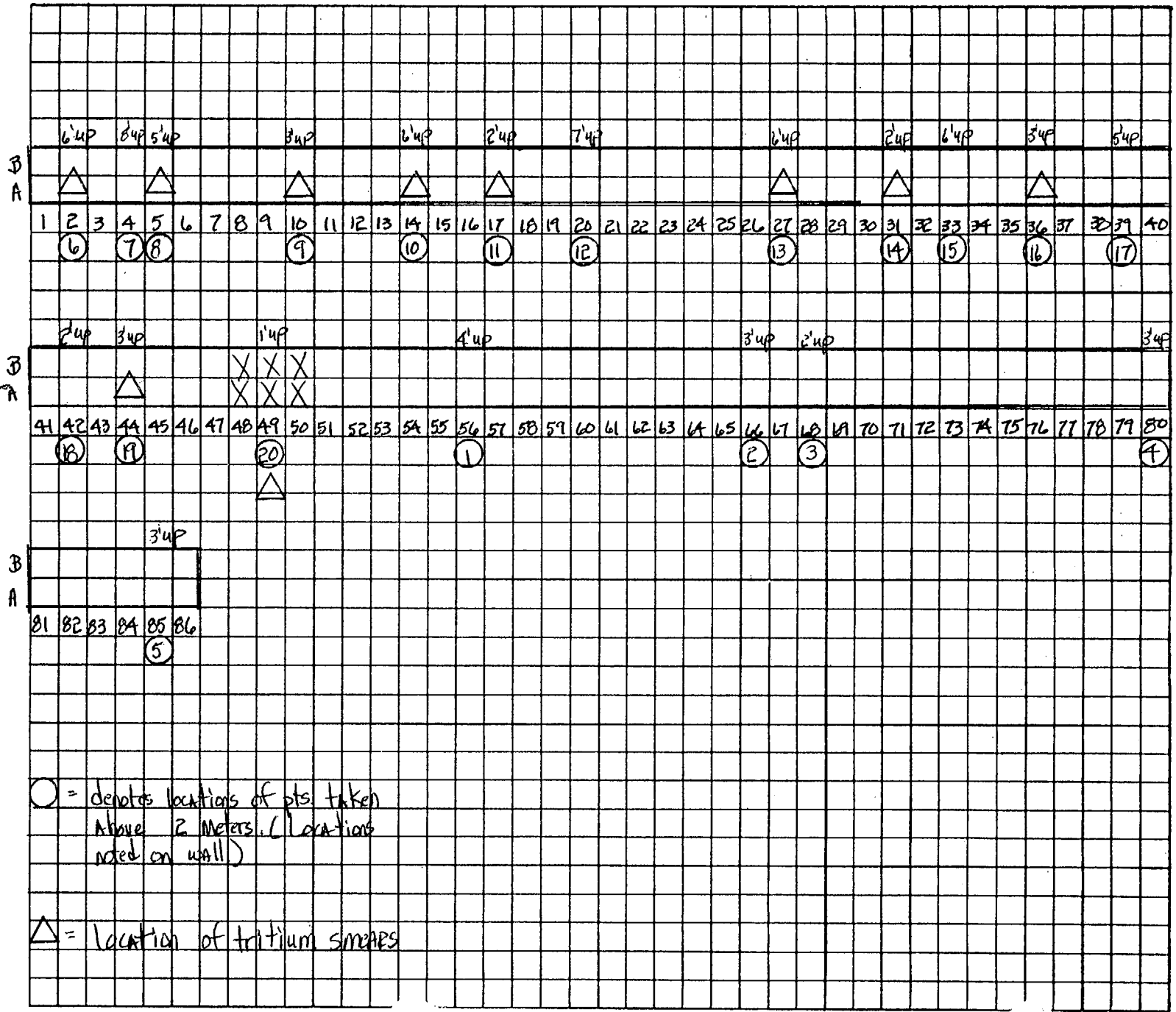

B
A
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40
B
A
41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
B
A
81 82 83 84 85 86
△ = Location of tritium SMEARS

A030A


01W02
B
A
1 2 3 4 5
01W03
B
A
1 2 3 4 5
01W04
B
A
1 2 3 4 5
01W05
B
A
1 2 3 4 5
△ = Location of tritium smears

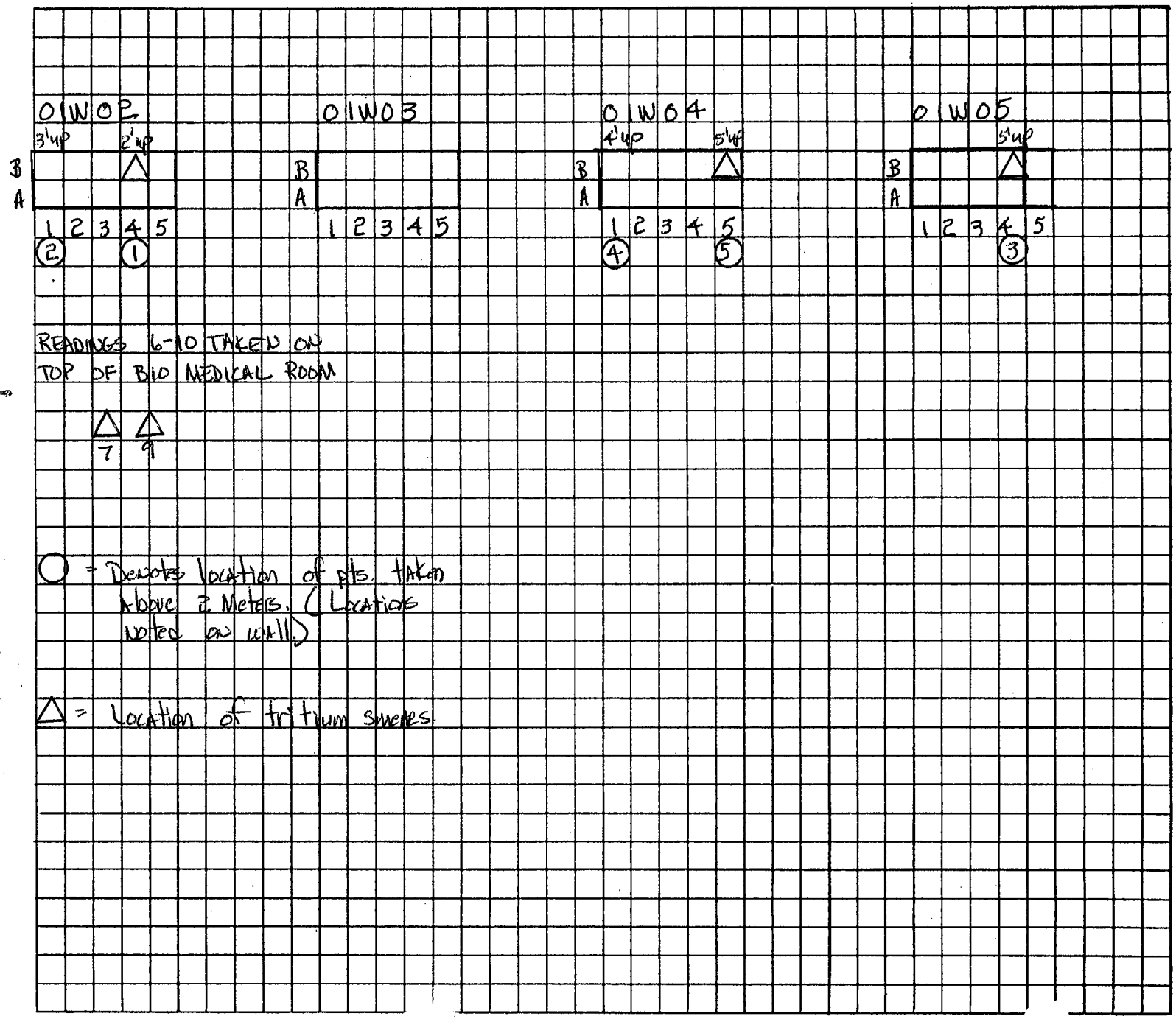
A0305
010H1

050



091

A0305
0101H2



READINGS 6-10 TAKEN ON TOP OF BIO MEDICAL ROOM

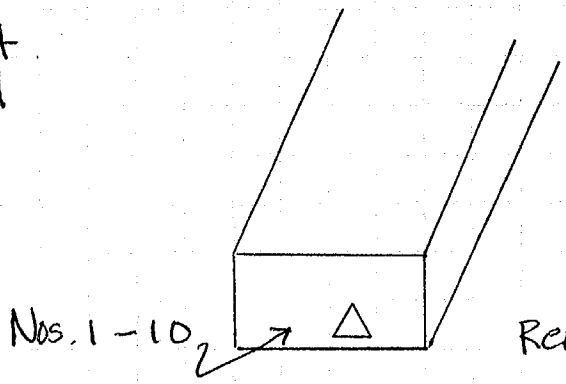
△ △
7 9

○ = Denotes location of pts. taken above 2 Meters. (Locations noted on wall.)

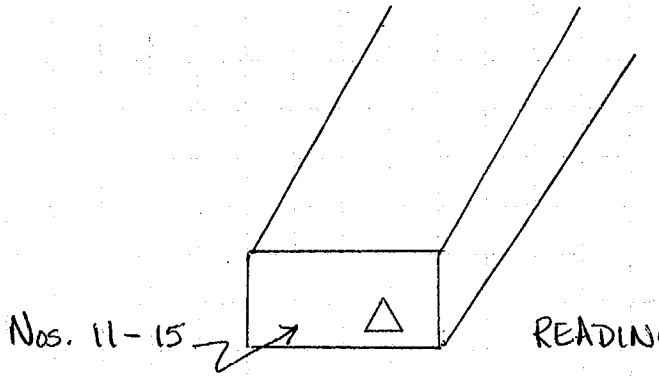
△ = Location of tritium swipes.

092

A0304
01V01



READINGS TAKEN INSIDE VENT ABOVE BIO-MEDICAL ROOM



READINGS TAKEN INSIDE VENT ABOVE ELEVATOR

△ Location of tritium smears (#1 + #11)

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 #142

ATTACHMENT 6.14
SURVEY DOWNLOAD DATA SHEET

094

wnload Print
Technician: Name: D. Schumacher Signature: Station: 2
Serial No. Verification: Model 2350: ☐ Detector: ☐ Problems: ☐ (See Comments) File: 142

Survey Technician(s):
Print Name: R.A. LEIGH User ID RAL 7103 Signature: Date: 6-21-01

Print Name: User ID Signature: Date:

Survey Unit Description: A0304 RX BLDG 1st FLOOR, 01T05, 01T06, 01P02, 01P03
(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: 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.	Pre & Post Use Info: Post File No.
☐ Beta β		43-106B				
☐ Beta β		43-68B				
☐ Alpha α		43-68A				
☐ Gamma γ		44-2	N/A			
☒ BETA	091089	44-40	.107	2698/413	142	142

Local Area Background Measurements PRE/POST MEAN Value in cpm ↓

10 MIN β Beta	1 1535/437	2 2285/298	3 3311/304	4	5	6	3630
α Alpha	1	2	3	4	5	6	

COMMENTS: SEE Download comments

GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

Direct Beta Survey Report, dpm/100 cm2

File Number: 142	Survey Description: A0304: REACTOR BUILDING 1st FLOOR 01T05,01P02,01P03		
Survey Reason: TERMINATION	User ID: RAL7103	Technician name: R.A. Leigh	
Instrument Model: M2350-1	S/N: 126182	Calibration Due: 9/22/01	Group: 2
Detector Model: 44-40	Detector S/N: 091089	Type: Shielded GM Pancake Detector	
Background: 30 cpm	Beta Efficiency: .107		Survey Date: 6/21/01

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: R.A. LEIGH (Print name) / RALeigh (Signature) Date: 6-25-01

and,

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

Corrections and Reasons:

Comment Resolution:

Survey Reviewed and Approved by: PAUL JONES (Print name) / Paul Jones (Signature) Date: 6/27/01

Survey Date: 6/21/01 Report Date: 6/22/01 Page: 1
File: 142 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 3
	A0304	01P02	TATO1	02000	Det Cal Due: 12/13/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B9999	ZZZZZ	00000	43	600	311	66	
						Group Average:	66	
FLDCT	B9999	ZZZZZ	00001	49	60	30	0	
FLDCT	B9999	ZZZZZ	00002	50	60	39	543	
FLDCT	B9999	ZZZZZ	00003	51	60	30	0	
FLDCT	B9999	ZZZZZ	00004	52	60	16	-844	
FLDCT	B9999	ZZZZZ	00005	53	60	27	-181	
						Group Average:	-96	

Survey Code	L1	L2	L3	L4	Setup Number 3
	A0304	01P03	TATO1	02000	Det Cal Due: 12/13/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B9999	ZZZZZ	00000	54	600	304	24	
						Group Average:	24	
LDCT	B9999	ZZZZZ	00001	44	60	36	362	
LDCT	B9999	ZZZZZ	00002	45	60	44	844	
LDCT	B9999	ZZZZZ	00003	46	60	35	301	
FLDCT	B9999	ZZZZZ	00004	47	60	30	0	
FLDCT	B9999	ZZZZZ	00005	48	60	42	724	
						Group Average:	446	

Survey Code	L1	L2	L3	L4	Setup Number 3
	A0304	01T05	TATO1	02000	Det Cal Due: 12/13/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B9999	ZZZZZ	00000	36	600	285	-90	
FLDBK	B9999	ZZZZZ	00000	42	600	298	-12	
						Group Average:	-51	
FLDCT	B9999	ZZZZZ	00001	37	60	50	1206	
FLDCT	B9999	ZZZZZ	00002	38	60	47	1025	
FLDCT	B9999	ZZZZZ	00003	39	60	54	1447	
FLDCT	B9999	ZZZZZ	00004	40	60	53	1387	
FLDCT	B9999	ZZZZZ	00005	41	60	56	1568	
						Group Average:	1326	

* Hi flag set at 2400 dpm/100 cm2

Survey Date: 6/21/01 Report Date: 6/22/01 Page: 2
File: 142 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 3
	ZZZZZ	EZ260	TATO1	02000	Det Cal Due: 12/13/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRB00	ZZZZZ	ZZZZZ	00000	1	60	2736	163159	*
PRB00	ZZZZZ	ZZZZZ	00000	2	60	2775	165511	*
PRB00	ZZZZZ	ZZZZZ	00000	3	60	2699	160929	*
						Group Average:	163200	
PTB00	ZZZZZ	ZZZZZ	00000	56	60	2775	165511	*
PTB00	ZZZZZ	ZZZZZ	00000	57	60	2784	166054	*
PTB00	ZZZZZ	ZZZZZ	00000	58	60	2855	170335	*
						Group Average:	167300	

Survey Code	L1	L2	L3	L4	Setup Number 3
	ZZZZZ	ZZZZZ	TATO1	02000	Det Cal Due: 12/13/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	394	567	
						Group Average:	567	
TBBK	ZZZZZ	ZZZZZ	00000	55	600	413	681	
						Group Average:	681	

Total Number of Measurements on this Report: 27

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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6/22/01 Comments Report for File 142 Station: 2

Comment Number	Comment
1	Deleted sample numbers from 4 to 35. Because these data points were resurveyed with additional field backgrounds.

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

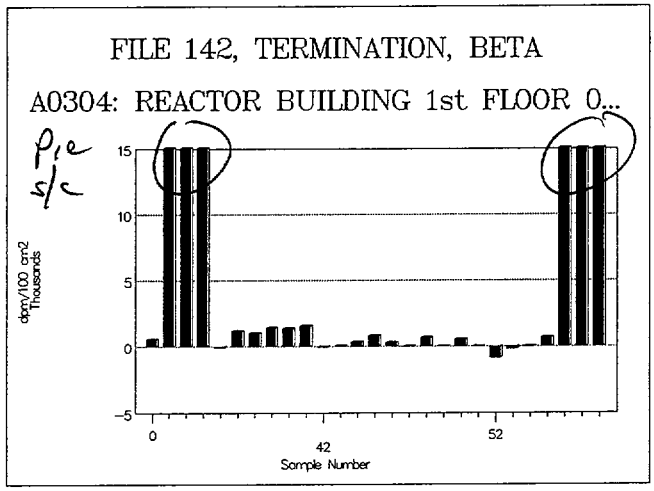
GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

6/25/2001 Graph of File 142 Station: 2

Survey Date: 6/21/2001 Survey Start Time: 10:49:08

Description: A0304: REACTOR BUILDING 1st FLOOR 01T05,01P02,01P03



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

Review this graph for visual outliers.

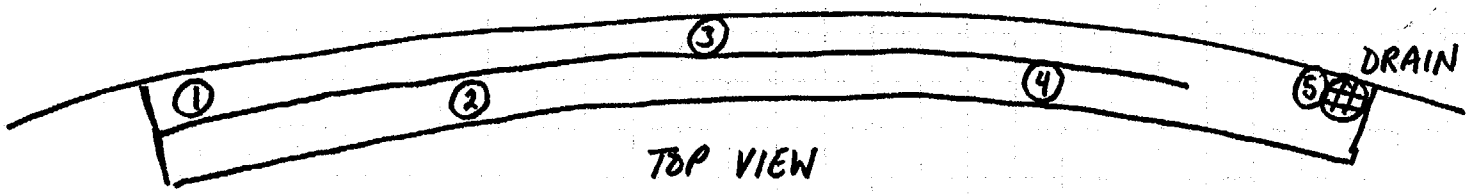
Mark outliers, source checks and backgrounds on the graph on this page.

100

EQUIPMENT HATCH DOOR TRENCH

6-21-01 0930
R. A. Zik

OUTSIDE

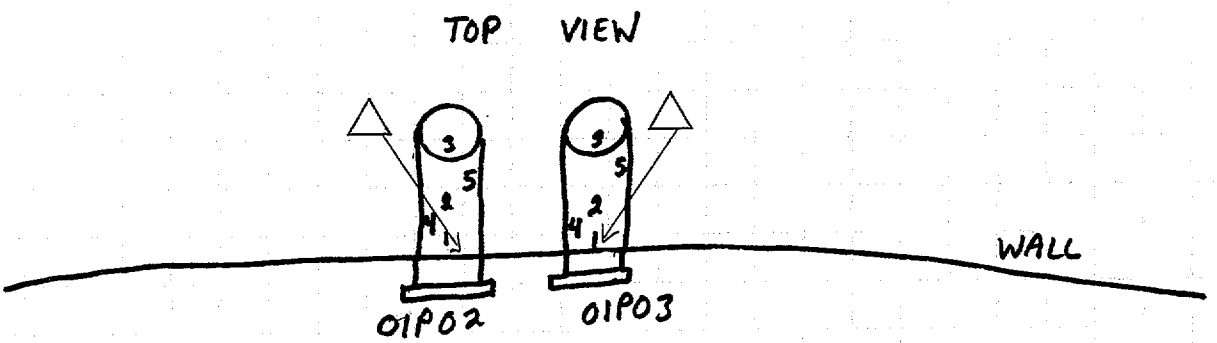


TOP VIEW

INSIDE

PRESSURE RELEIF PIPES

6-22-01
RQZ



△ Location of tritium smears

ATTACHMENT 6.14
SURVEY DOWNLOAD DATA SHEET

102

Download Technician: Print Name: D. Schumaker Signature: [signature] Station: 2 File: 96
Serial No. Verification: Model 2350: ☐ Detector: ☐ Problems: ☐ (See Comments)

Survey Technician(s):
Print Name: D. Schumaker User ID DS 4133 Signature: [signature] Date: 3/28/01

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

Survey Unit Description: A030 #: R+ Bldg. PLUG STORAGE VAULT
(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: 4-30-01 Detector: 5-1-01

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	.213	N/A	96	96
☐ Alpha α		43-68A				
☐ Gamma γ		44-2	N/A			

Local Area Background Measurements 03F01, 03W01, 03C01 MEAN Value in cpm ↓

5 min β Beta	1 1915	2 1871	3	4	5	6	379
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: 96	Survey Description: A0304:GEORGIA TECH RESEARCH REACTOR GROUND FLOOR PLUG STORAGE VAULT		
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: 379 cpm	Beta Efficiency: .213		Survey Date: 3/28/01

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: 6-13-01
Print name Signature
REPRINT

and,

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

Corrections and Reasons:

Comment Resolution:

Survey Reviewed and Approved by: PAUL JONES / [signature] Date: 11/7/01
Print name Signature

Survey Date: 3/28/01 Report Date: 6/13/01 Page: 1
File: 96 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	030H1	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
FLDBK	B9999	ZZZZZ	00000	44	300	1871	-18	
						Group Average:	-18	
FLDCT	B9999	ZZZZZ	00001	39	20	112	-160	
FLDCT	B9999	ZZZZZ	00002	40	20	131	52	
FLDCT	B9999	ZZZZZ	00003	41	20	96	-339	
FLDCT	B9999	ZZZZZ	00004	42	20	120	-71	
FLDCT	B9999	ZZZZZ	00005	43	20	126	-4	
						Group Average:	-104	

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	03F01	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
FLDBK	B9999	ZZZZZ	00000	4	300	1915	15	
						Group Average:	15	
LDCT	B9999	A	00001	5	20	142	175	
LDCT	B9999	A	00002	6	20	148	242	
LDCT	B9999	A	00003	7	20	115	-127	
FLDCT	B9999	A	00004	8	20	136	108	
FLDCT	B9999	B	00001	9	20	156	332	
FLDCT	B9999	B	00002	10	20	113	-149	
FLDCT	B9999	B	00003	11	20	156	332	
FLDCT	B9999	B	00004	12	20	138	130	
FLDCT	B9999	B	00005	13	20	121	-60	
FLDCT	B9999	C	00001	14	20	119	-82	
FLDCT	B9999	C	00002	15	20	128	19	
FLDCT	B9999	C	00003	16	20	143	186	
FLDCT	B9999	C	00004	17	20	140	153	
FLDCT	B9999	C	00005	18	20	114	-138	
						Group Average:	80	

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	03W01	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	B9999	A	00001	19	20	113	-149	
FLDCT	B9999	A	00002	20	20	99	-306	
FLDCT	B9999	A	00003	21	20	118	-93	
FLDCT	B9999	A	00004	22	20	114	-138	
FLDCT	B9999	A	00005	23	20	110	-183	
FLDCT	B9999	A	00006	24	20	90	-406	
FLDCT	B9999	A	00007	25	20	94	-361	
FLDCT	B9999	A	00008	26	20	121	-60	
LDCT	B9999	A	00009	27	20	98	-317	
LDCT	B9999	A	00010	28	20	111	-171	
LDCT	B9999	B	00001	29	20	113	-149	
FLDCT	B9999	B	00002	30	20	114	-138	
FLDCT	B9999	B	00003	31	20	106	-227	

* Hi flag set at 2400 dpm/100 cm2

Survey Date: 3/28/01 Report Date: 6/13/01 Page: 2
File: 96 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	03W01	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	B9999	B	00004	32	20	133	75	
FLDCT	B9999	B	00005	33	20	111	-171	
FLDCT	B9999	B	00006	34	20	119	-82	
FLDCT	B9999	B	00007	35	20	127	7	
FLDCT	B9999	B	00008	36	20	109	-194	
FLDCT	B9999	B	00009	37	20	94	-361	
FLDCT	B9999	B	00010	38	20	99	-306	
						Group Average:	-186	

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	EZ260	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
PRB00	ZZZZZ	ZZZZZ	00000	1	60	5749	20009	*
PRB00	ZZZZZ	ZZZZZ	00000	2	60	5886	20519	*
PRB00	ZZZZZ	ZZZZZ	00000	3	60	5550	19267	*
						Group Average:	19932	
TB00	ZZZZZ	ZZZZZ	00000	46	60	5652	19648	*
TB00	ZZZZZ	ZZZZZ	00000	47	60	5902	20579	*
TB00	ZZZZZ	ZZZZZ	00000	48	60	5592	19424	*
						Group Average:	19883	

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	Hi
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	3578	-79	
						Group Average:	-79	
PTBBK	ZZZZZ	ZZZZZ	00000	45	600	3578	-79	
						Group Average:	-79	

Total Number of Measurements on this Report: 49

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

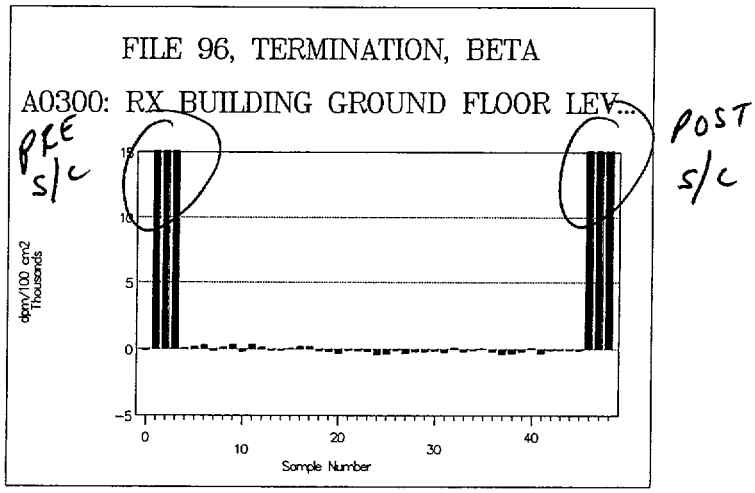
GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

6/13/2001 Graph of File 96 Station: 2

Survey Date: 3/28/2001 Survey Start Time: 09:34:12

Description: A0300: RX BUILDING GROUND FLOOR LEVEL PLUG STORAGE VAULT



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

107

nload Print
nician: Name: D. Schumacher Signature: Station: 2
File: 100
Serial No. Verification: Model 2350: ☐ Detector: ☐ Problems: ☐ (See Comments)

Survey Technician(s):
Print Name: D. Schumacher User ID: DS4133 Signature: Date: 4/10/01

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

Survey Unit Description: A0300: Ground Floor Bio-Medical
(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: 9-28-01

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	123606	43-98	.021	N/A	100	100

Local Area Background Measurements							MEAN Value in cpm
β Beta	12273	2	3	4	5	6	227
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: 100	Survey Description: A0304:GEORGIA TECH RESEARCH REACTOR GROUND FLOOR BIO-MEDICAL ROOM DRAIN		
Survey Reason: TERMINATION	User ID: DPS4133	Technician name: Don Schumaker	
Instrument Model: 2350-1	S/N: 129429	Calibration Due: 6/14/01	Group: 2
Detector Model: 43-98	Detector S/N: 123606	Type: Pipe Probe	
Background: 227 cpm	Beta Efficiency: .021		Survey Date: 4/10/01

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: Don Schumaker / [signature] Date: 6/13/01
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: 11/7/01
Print name Signature

Survey Date: 4/10/01 Report Date: 6/13/01 Page: 1
File: 100 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 4
	A0304	02D01	TAT01	02311	Det Cal Due: 9/28/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B9999	ZZZZZ	00000	2	600	2273	14	
						Group Average:	14	
FLDCT	B9999	ZZZZZ	00002	3	120	457	71	
						Group Average:	71	

Survey Code	L1	L2	L3	L4	Setup Number 4
	ZZZZZ	A3762	TAT01	02311	Det Cal Due: 9/28/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRB00	ZZZZZ	ZZZZZ	00000	1	60	1627	66667	*
						Group Average:	66667	
PTB00	ZZZZZ	ZZZZZ	00000	5	60	1630	66810	*
						Group Average:	66810	

Survey Code	L1	L2	L3	L4	Setup Number 4
	ZZZZZ	ZZZZZ	TAT01	02311	Det Cal Due: 9/28/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	2178	-438	
						Group Average:	-438	
PTBBK	ZZZZZ	ZZZZZ	00000	4	600	2057	-1014	
						Group Average:	-1014	

Total Number of Measurements on this Report: 6

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

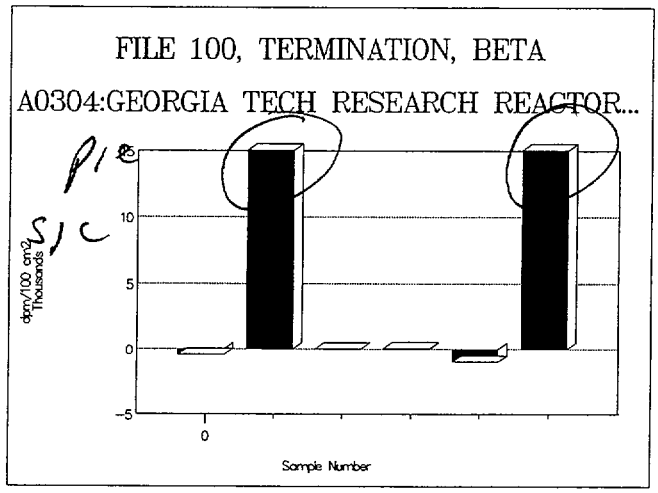
GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

6/13/2001 Graph of File 100 Station: 2

Survey Date: 4/10/2001 Survey Start Time: 08:51:24

Description: A0304:GEORGIA TECH RESEARCH REACTOR GROUND FLOOR BIO-MEDICAL R



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.

GTS:0143:C:\PDOX35\M2350\PLOTDATA.G, SCRIPTS\CHAPLOT.SC

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 #199

ATTACHMENT 6.14
SURVEY DOWNLOAD DATA SHEET

113

Download Technician: Print Name: D. Schumaker Signature: [signature] Station: 2 File: 199

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

Survey Technician(s):
Print Name: Bill Bishop User ID WMB 7302 Signature: [signature] Date: 7-19-01

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

Survey Unit Description: A0304: 2nd Personnel Hatch + GA LAB Area HATCH
(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 ☑: 129433

Instrument and Detector Calibration Due Dates: Survey Meter: 10/24/01 Detector: 12-21-01

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	095080	43-68B	.214	5393/412	199	199
☐ Alpha α		43-68A				
☐ Gamma γ		44-2	N/A			

Local Area Background Measurements 01502/321 465 01503 MEAN Value in cpm

β Beta 10 m	13178/3243	2 4046	3	4	5	6	
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: 199	Survey Description: A0304: SECONDARY AND LAB AREA PERSONNEL HATCH		
Survey Reason: TERMINATION	User ID: WMB7302	Technician name: Bill Bishop	
Instrument Model: 2350-1	S/N: 129433	Calibration Due: 10/24/01	Group: 2
Detector Model: 43-68	Detector S/N: 095080	Type: 126 cm2 Gas Proportional Detector	
Background: 400 cpm	Beta Efficiency: .214		Survey Date: 7/19/01

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: Bill Bishop / Bill Bishop Date: 7-19-01
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: 11/7/01
Print name Signature

Survey Date: 7/19/01 Report Date: 7/19/01 Page: 1
File: 199 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01S02	TAT01	02200	Det Cal Due: 12/21/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B9999	ZZZZZ	00000	4	600	3178	-305	
FLDBK	B9999	ZZZZZ	00000	47	600	3243	-281	
						Group Average:	-293	
FLDCT	B9999	ZZZZZ	00001	5	20	119	-159	
FLDCT	B9999	ZZZZZ	00002	6	20	97	-404	
FLDCT	B9999	ZZZZZ	00003	7	20	96	-415	
FLDCT	B9999	ZZZZZ	00004	8	20	112	-237	
FLDCT	B9999	ZZZZZ	00005	9	20	116	-193	
FLDCT	B9999	ZZZZZ	00006	10	20	137	41	
FLDCT	B9999	ZZZZZ	00007	11	20	129	-48	
FLDCT	B9999	ZZZZZ	00008	12	20	104	-326	
FLDCT	B9999	ZZZZZ	00009	13	20	103	-337	
FLDCT	B9999	ZZZZZ	00010	14	20	77	-627	
FLDCT	B9999	ZZZZZ	00011	15	20	108	-282	
FLDCT	B9999	ZZZZZ	00012	16	20	117	-182	
FLDCT	B9999	ZZZZZ	00013	17	20	77	-627	
FLDCT	B9999	ZZZZZ	00014	18	20	97	-404	
FLDCT	B9999	ZZZZZ	00015	19	20	114	-215	
FLDCT	B9999	ZZZZZ	00016	20	20	104	-326	
FLDCT	B9999	ZZZZZ	00017	21	20	120	-148	
FLDCT	B9999	ZZZZZ	00018	22	20	119	-159	
FLDCT	B9999	ZZZZZ	00019	23	20	116	-193	
FLDCT	B9999	ZZZZZ	00020	24	20	125	-93	
LDCT	B9999	ZZZZZ	00021	25	20	112	-237	
LDCT	B9999	ZZZZZ	00022	26	20	125	-93	
LDCT	B9999	ZZZZZ	00023	27	20	112	-237	
FLDCT	B9999	ZZZZZ	00024	28	20	114	-215	
FLDCT	B9999	ZZZZZ	00025	29	20	106	-304	
FLDCT	B9999	ZZZZZ	00026	30	20	89	-493	
FLDCT	B9999	ZZZZZ	00027	31	20	96	-415	
FLDCT	B9999	ZZZZZ	00028	32	20	74	-660	
FLDCT	B9999	ZZZZZ	00029	33	20	62	-794	
FLDCT	B9999	ZZZZZ	00030	34	20	88	-504	
FLDCT	B9999	ZZZZZ	00031	35	20	89	-493	
FLDCT	B9999	ZZZZZ	00032	36	20	81	-582	
FLDCT	B9999	ZZZZZ	00033	37	20	100	-371	
FLDCT	B9999	ZZZZZ	00034	38	20	78	-616	
FLDCT	B9999	ZZZZZ	00035	39	20	74	-660	
FLDCT	B9999	ZZZZZ	00036	40	20	63	-783	
FLDCT	B9999	ZZZZZ	00037	41	20	73	-671	
FLDCT	B9999	ZZZZZ	00038	42	20	63	-783	
FLDCT	B9999	ZZZZZ	00039	43	20	83	-560	
FLDCT	B9999	ZZZZZ	00040	44	20	86	-527	
FLDCT	B9999	ZZZZZ	00041	45	20	103	-337	
FLDCT	B9999	ZZZZZ	00042	46	20	130	-37	
						Group Average:	-374	

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01S03	TAT01	02200	Det Cal Due: 12/21/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
DBK	B9999	ZZZZZ	00000	48	600	4046	17	
						Group Average:	17	
FLDCT	B9999	ZZZZZ	00061	49	20	149	174	

* Hi flag set at 2400 dpm/100 cm2

Survey Date: 7/19/01 Report Date: 7/19/01 Page: 2
File: 199 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01S03	TAT01	02200	Det Cal Due: 12/21/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDCT	B9999	ZZZZZ	00062	50	20	161	308	
FLDCT	B9999	ZZZZZ	00063	51	20	162	319	
FLDCT	B9999	ZZZZZ	00064	52	20	156	252	
FLDCT	B9999	ZZZZZ	00065	53	20	132	-15	
						Group Average:	208	

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	EZ260	TAT01	02200	Det Cal Due: 12/21/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRB00	ZZZZZ	ZZZZZ	00000	1	60	5737	19793	*
PRB00	ZZZZZ	ZZZZZ	00000	2	60	5948	20576	*
PRB00	ZZZZZ	ZZZZZ	00000	3	60	5730	19767	*
						Group Average:	20045	
PTB00	ZZZZZ	ZZZZZ	00000	55	60	5934	20524	*
PTB00	ZZZZZ	ZZZZZ	00000	56	60	5996	20754	*
PTB00	ZZZZZ	ZZZZZ	00000	57	60	5803	20038	*
						Group Average:	20438	

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	ZZZZZ	TAT01	02200	Det Cal Due: 12/21/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	4119	44	
						Group Average:	44	
PTBBK	ZZZZZ	ZZZZZ	00000	54	600	4129	48	
						Group Average:	48	

Total Number of Measurements on this Report: 58

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

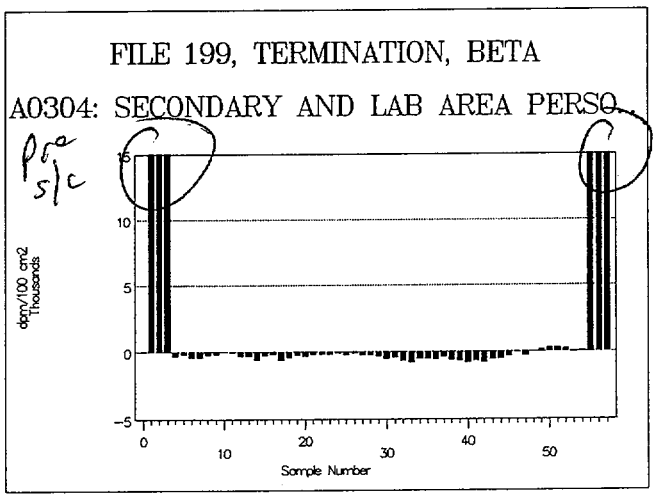
GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

7/19/2001 Graph of File 199 Station: 2

Survey Date: 7/19/2001 Survey Start Time: 07:24:54

Description: A0304: SECONDARY AND LAB AREA PERSONNEL HATCH

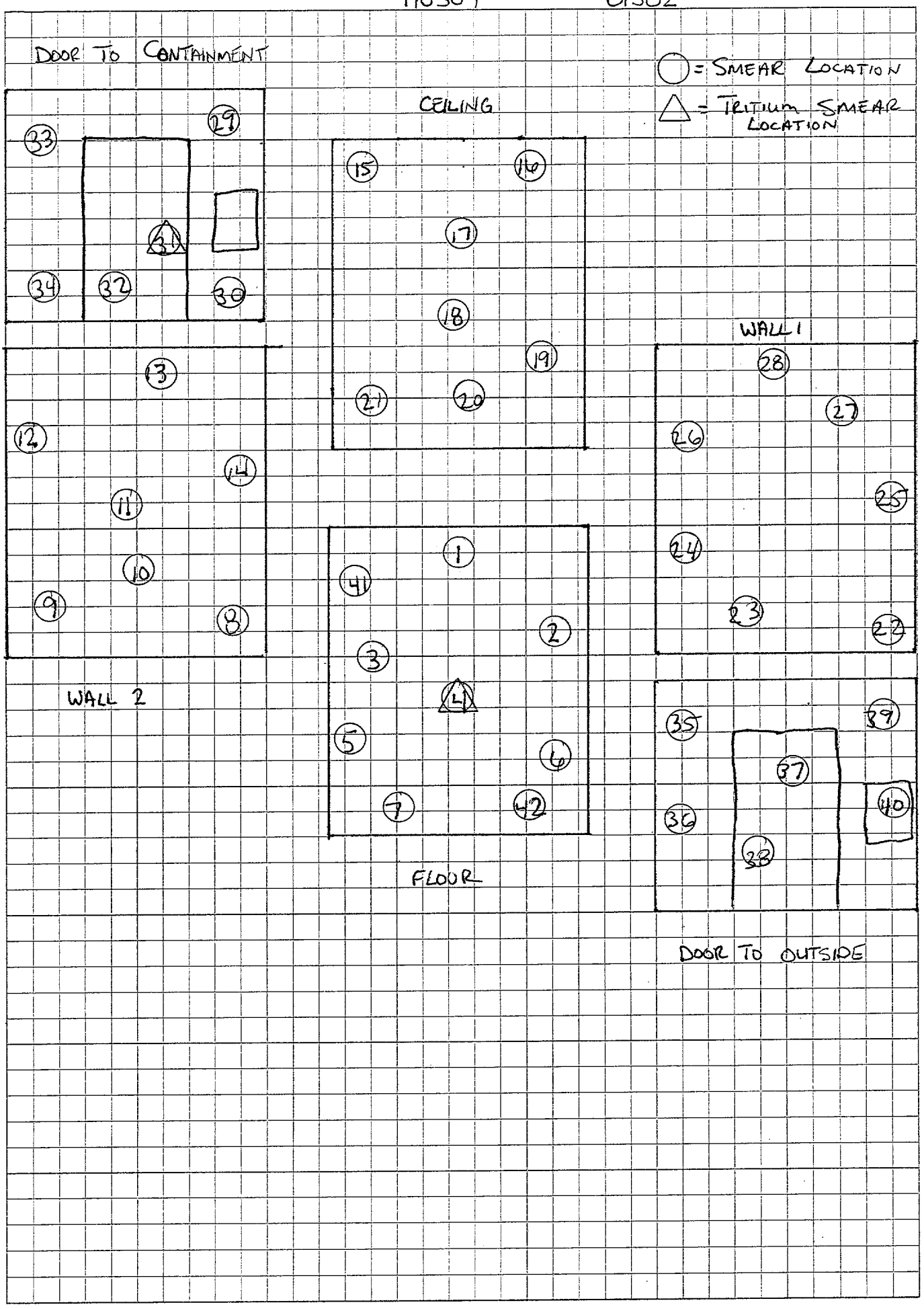


Flag set for 2400 dpm/100 cm2. Review values greater than this value.

Review this graph for visual outliers.

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

A0304 01502


DOOR TO CONTAINMENT
○ = SMEAR LOCATION
△ = TRITIUM SMEAR LOCATION
CEILING
WALL 1
WALL 2
FLOOR
DOOR TO OUTSIDE

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 #197

ATTACHMENT 6.14
SURVEY DOWNLOAD DATA SHEET

120

Download Print
Technician: Name: D. Schumacher Signature: Station: 2
Serial No. Verification: Model 2350: ☐ Detector: ☐ Problems: ☐ (See Comments) File: 197

Survey Technician(s):
Print Name: R.A. LEIGH User ID RAL 7103 Signature: Date: 7-18-01

Print Name: User ID Signature: Date:

Survey Unit Description: A0304 RX BLDG GROUND LEVEL TRENCHES 7+8, 01T07 + 01T08
(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: 12-19-01 Detector: 12-19-01

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	5297/436	197	197
☐ Alpha α		43-68A				
☐ Gamma γ		44-2	N/A			

Local Area Background Measurements 01T07 323 01T08 294 MEAN Value in cpm

β Beta 10 min	13281/3175	22999/2873	3	4	5	6	308
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: 197	Survey Description: A0304: RX BUILDING GROUND LEVEL TRENCH 7 & 8		
Survey Reason: TERMINATION	User ID: RAL7103	Technician name: R.A. Leigh	
Instrument Model: 2350-1	S/N: 126170	Calibration Due: 12/19/01	Group: 2
Detector Model: 43-68B	Detector S/N: 091029	Type: 126 cm2 Gas Proportional Detector, Beta Window	
Background: 308 cpm	Beta Efficiency: .210		Survey Date: 7/18/01

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, R02 7-19-01 21 pages of comments, and 1 graph.

I performed this survey: R.A. LEIGH (Print name) / R.G. Z.L (Signature) Date: 7-19-01

and,

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

Corrections and Reasons:

Comment Resolution:

Survey Reviewed and Approved by: PAUL JONES (Print name) / Paul Jones (Signature) Date: 11/7/01

Survey Date: 7/18/01 Report Date: 7/19/01 Page: 1
File: 197 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01T07	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B9999	ZZZZZ	00000	7	600	3281	76	
FLDBK	B9999	ZZZZZ	00000	13	600	3175	36	
						Group Average:	56	
FLDCT	B9999	ZZZZZ	00001	8	20	118	174	
FLDCT	B9999	ZZZZZ	00002	9	20	113	117	
FLDCT	B9999	ZZZZZ	00003	10	20	116	151	
FLDCT	B9999	ZZZZZ	00004	11	20	103	4	
FLDCT	B9999	ZZZZZ	00005	12	20	99	-42	
						Group Average:	81	

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01T08	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B9999	ZZZZZ	00000	14	600	2999	-31	
FLDBK	B9999	ZZZZZ	00000	20	600	2873	-78	
						Group Average:	-54	
LDCT	B9999	ZZZZZ	00001	15	20	101	-19	
FLDCT	B9999	ZZZZZ	00002	16	20	101	-19	
FLDCT	B9999	ZZZZZ	00003	17	20	123	231	
FLDCT	B9999	ZZZZZ	00004	18	20	89	-155	
FLDCT	B9999	ZZZZZ	00005	19	20	125	253	
						Group Average:	58	

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	EZ260	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRB00	ZZZZZ	ZZZZZ	00000	1	60	5505	19641	*
PRB00	ZZZZZ	ZZZZZ	00000	2	60	5932	21255	*
PRB00	ZZZZZ	ZZZZZ	00000	3	60	5718	20446	*
						Group Average:	20447	
PTB00	ZZZZZ	ZZZZZ	00000	22	60	5608	20030	*
PTB00	ZZZZZ	ZZZZZ	00000	23	60	6052	21708	*
PTB00	ZZZZZ	ZZZZZ	00000	24	60	5726	20476	*
						Group Average:	20738	

* Hi flag set at 2400 dpm/100 cm2

Survey Date: 7/18/01 Report Date: 7/19/01 Page: 2
File: 197 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	ZZZZZ	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	4211	427	
						Group Average:	427	
PTBBK	ZZZZZ	ZZZZZ	00000	21	600	4358	483	
						Group Average:	483	

Total Number of Measurements on this Report: 22

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

7/19/01 Comments Report for File 197 Station: 2

Comment Number	Comment
1	Deleted sample numbers from 4 to 6. THESE DATA POINTS SHOULD HAVE BEEN A 'C' COUNT. THEY WERE DONE ON AN UNRELATED ITEM.

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

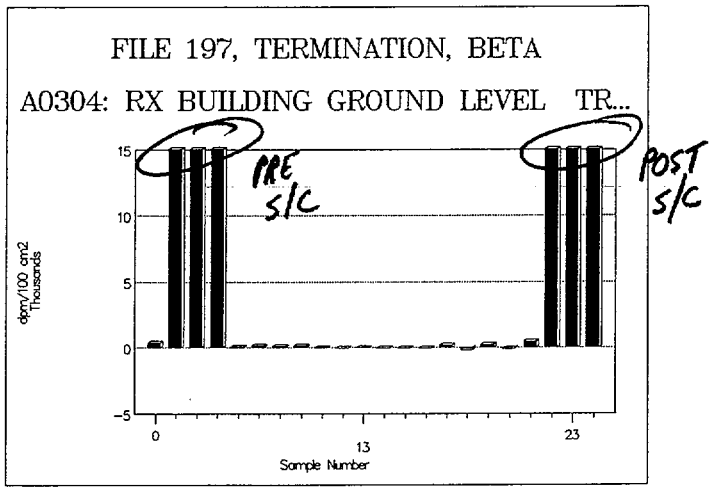
GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

7/19/2001 Graph of File 197 Station: 2

Survey Date: 7/18/2001 Survey Start Time: 13:12:06

Description: A0304: RX BUILDING GROUND LEVEL TRENCH 7 & 8



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

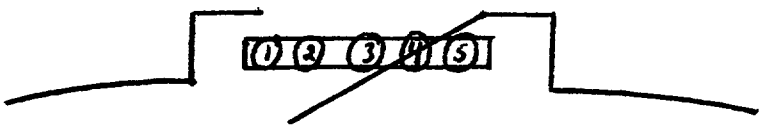
Review this graph for visual outliers.

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

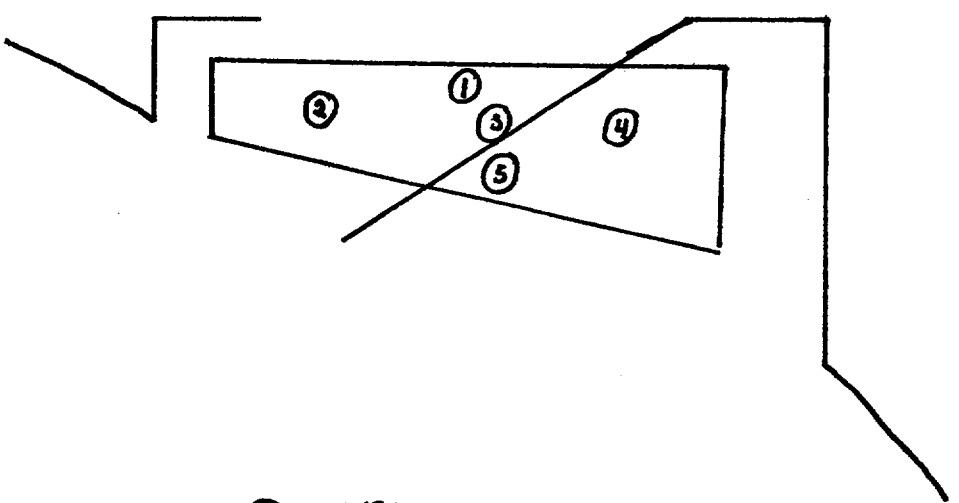
A0304

REACTOR BLDG GROUND LEVEL
TRENCHES 7+8, 01T07 & 01T08

EXTERIOR
AIRLOCK



HIGH-BAY
AIRLOCK



(#) SURVEY POINTS

1+5 TRITIUM SMEARS LOCATIONS

R.G. Zi
7-19-01

ATTACHMENT 6.14
SURVEY DOWNLOAD DATA SHEET

127

Download Print
Technician: Name: D. Schumaker Signature: Station: 2
Serial No. Verification: Model 2350: ☐ Detector: ☐ Problems: ☐ (See Comments) File: 196

Survey Technician(s):
Print Name: D. Schumaker User ID DRS 4133 Signature: Date: 7-18-01

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

Survey Unit Description: AO304: Rx Bldg. 1st 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 ☑: 129429

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

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	091050	43-68B	.210	5286/399	196	196
☐ Alpha α		43-68A				
☐ Gamma γ		44-2	N/A			

Local Area Background Measurements							MEAN Value in cpm
β Beta	1 14863	2 25016	3	4	5	6	494
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: 196	Survey Description: A0304: RX BUILDING GROUND LEVEL FLOOR		
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: 43-68B	Detector S/N: 091050	Type: 126 cm2 Gas Proportional Detector, Beta Window	
Background: 494 cpm	Beta Efficiency: .210		Survey Date: 7/18/01

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 9 pages of the report, 0 pages of comments, and 1 graph.

I performed this survey: Don Schumaker / [signature] Date: 7/19/01
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: 8/27/01
Print name Signature

Survey Date: 7/18/01 Report Date: 7/19/01 Page: 1
File: 196 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01F01	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B0001	ZZZZZ	00000	4	600	4863	-29	
FLDBK	B0001	ZZZZZ	00000	464	600	5016	29	
						Group Average:	-0	
FLDCT	B0001	A	00012	5	20	198	378	
FLDCT	B0001	A	00013	6	20	222	650	
FLDCT	B0001	A	00014	7	20	184	219	
FLDCT	B0001	A	00015	8	20	241	865	
FLDCT	B0001	A	00016	9	20	241	865	
FLDCT	B0001	B	00009	10	20	233	775	
FLDCT	B0001	B	00010	11	20	181	185	
FLDCT	B0001	B	00011	12	20	203	435	
FLDCT	B0001	B	00012	13	20	195	344	
FLDCT	B0001	B	00013	14	20	219	616	
FLDCT	B0001	B	00014	15	20	223	661	
FLDCT	B0001	B	00015	16	20	215	571	
FLDCT	B0001	B	00016	17	20	233	775	
FLDCT	B0001	B	00017	18	20	258	1058	
FLDCT	B0001	B	00018	19	20	234	786	
FLDCT	B0001	B	00019	20	20	208	491	
FLDCT	B0001	C	00007	21	20	210	514	
FLDCT	B0001	C	00008	22	20	194	333	
FLDCT	B0001	C	00009	23	20	216	582	
FLDCT	B0001	C	00010	24	20	208	491	
FLDCT	B0001	C	00011	25	20	254	1013	
FLDCT	B0001	C	00012	26	20	220	627	
FLDCT	B0001	C	00013	27	20	125	-450	
FLDCT	B0001	C	00014	28	20	136	-325	
FLDCT	B0001	C	00015	29	20	233	775	
FLDCT	B0001	C	00016	30	20	198	378	
FLDCT	B0001	C	00017	31	20	214	559	
FLDCT	B0001	C	00018	32	20	219	616	
FLDCT	B0001	C	00019	33	20	203	435	
FLDCT	B0001	C	00020	34	20	190	287	
FLDCT	B0001	C	00021	35	20	179	163	
FLDCT	B0001	D	00006	36	20	176	128	
FLDCT	B0001	D	00007	37	20	209	503	
FLDCT	B0001	D	00008	38	20	256	1036	
FLDCT	B0001	D	00009	39	20	237	820	
FLDCT	B0001	D	00010	40	20	205	457	
FLDCT	B0001	D	00011	41	20	236	809	
FLDCT	B0001	D	00012	42	20	199	389	
FLDCT	B0001	D	00013	43	20	130	-393	
FLDCT	B0001	D	00014	44	20	159	-64	
FLDCT	B0001	D	00015	45	20	225	684	
FLDCT	B0001	D	00016	46	20	203	435	
FLDCT	B0001	D	00017	47	20	231	752	
FLDCT	B0001	D	00018	48	20	227	707	
FLDCT	B0001	D	00019	49	20	211	525	
FLDCT	B0001	D	00020	50	20	213	548	
FLDCT	B0001	D	00021	51	20	181	185	
FLDCT	B0001	D	00022	52	20	207	480	
FLDCT	B0001	E	00005	53	20	186	242	
FLDCT	B0001	E	00006	54	20	224	673	
FLDCT	B0001	E	00007	55	20	216	582	
FLDCT	B0001	E	00008	56	20	215	571	
FLDCT	B0001	E	00009	57	20	229	729	
FLDCT	B0001	E	00010	58	20	218	605	
FLDCT	B0001	E	00011	59	20	226	695	
FLDCT	B0001	E	00012	60	20	188	265	
FLDCT	B0001	E	00013	61	20	218	605	
FLDCT	B0001	E	00014	62	20	212	537	
FLDCT	B0001	E	00015	63	20	236	809	

* Hi flag set at 2400 dpm/100 cm2

Survey Date: 7/18/01 Report Date: 7/19/01 Page: 2
File: 196 Station: 2

Comments

Survey Code	L1	L2	L3	L4
	A0304	01F01	TAT01	02200

Setup Number 0
Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDCT	B0001	E	00016	64	20	211	525	
FLDCT	B0001	E	00017	65	20	204	446	
FLDCT	B0001	E	00018	66	20	207	480	
FLDCT	B0001	E	00019	67	20	206	469	
FLDCT	B0001	E	00020	68	20	204	446	
FLDCT	B0001	E	00021	69	20	199	389	
FLDCT	B0001	E	00022	70	20	190	287	
FLDCT	B0001	E	00023	71	20	183	208	
FLDCT	B0001	F	00004	72	20	226	695	
FLDCT	B0001	F	00005	73	20	243	888	
FLDCT	B0001	F	00006	74	20	343	2022	
FLDCT	B0001	F	00007	75	20	224	673	
FLDCT	B0001	F	00008	76	20	174	106	
FLDCT	B0001	F	00009	77	20	204	446	
FLDCT	B0001	F	00010	78	20	210	514	
FLDCT	B0001	F	00011	79	20	216	582	
FLDCT	B0001	F	00012	80	20	234	786	
FLDCT	B0001	F	00013	81	20	240	854	
FLDCT	B0001	F	00014	82	20	228	718	
FLDCT	B0001	F	00015	83	20	229	729	
FLDCT	B0001	F	00016	84	20	200	401	
FLDCT	B0001	F	00017	85	20	227	707	
FLDCT	B0001	F	00018	86	20	224	673	
FLDCT	B0001	F	00019	87	20	196	355	
FLDCT	B0001	F	00020	88	20	200	401	
FLDCT	B0001	F	00021	89	20	177	140	
FLDCT	B0001	F	00022	90	20	193	321	
FLDCT	B0001	F	00023	91	20	197	367	
FLDCT	B0001	F	00024	92	20	229	729	
FLDCT	B0001	G	00003	93	20	269	1183	
FLDCT	B0001	G	00004	94	20	243	888	
FLDCT	B0001	G	00005	95	20	303	1568	
FLDCT	B0001	G	00006	96	20	211	525	
FLDCT	B0001	G	00007	97	20	243	888	
FLDCT	B0001	G	00008	98	20	244	899	
FLDCT	B0001	G	00009	99	20	227	707	
FLDCT	B0001	G	00010	100	20	227	707	
FLDCT	B0001	G	00011	101	20	225	684	
FLDCT	B0001	G	00012	102	20	229	729	
FLDCT	B0001	G	00013	103	20	246	922	
FLDCT	B0001	G	00014	104	20	238	831	
FLDCT	B0001	G	00015	105	20	232	763	
FLDCT	B0001	G	00016	106	20	220	627	
FLDCT	B0001	G	00017	107	20	212	537	
FLDCT	B0001	G	00018	108	20	223	661	
FLDCT	B0001	G	00019	109	20	178	151	
FLDCT	B0001	G	00020	110	20	216	582	
FLDCT	B0001	G	00021	111	20	213	548	
FLDCT	B0001	G	00022	112	20	201	412	
FLDCT	B0001	G	00023	113	20	241	865	
FLDCT	B0001	G	00024	114	20	220	627	
FLDCT	B0001	G	00025	115	20	198	378	
FLDCT	B0001	H	00003	116	20	197	367	
FLDCT	B0001	H	00004	117	20	171	72	
FLDCT	B0001	H	00005	118	20	224	673	
FLDCT	B0001	H	00006	119	20	257	1047	
FLDCT	B0001	H	00007	120	20	174	106	
FLDCT	B0001	H	00008	121	20	206	469	
FLDCT	B0001	H	00009	122	20	229	729	
FLDCT	B0001	H	00010	123	20	211	525	
FLDCT	B0001	H	00011	124	20	257	1047	
FLDCT	B0001	H	00012	125	20	241	865	
FLDCT	B0001	H	00013	126	20	300	1534	
FLDCT	B0001	H	00014	127	20	249	956	

* Hi flag set at 2400 dpm/100 cm2

Survey Date: 7/18/01 Report Date: 7/19/01 Page: 3
File: 196 Station: 2

Comments

Survey Code	L1	L2	L3	L4
	A0304	01F01	TAT01	02200

Setup Number 0
Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDCT	B0001	H	00015	128	20	206	469	
FLDCT	B0001	H	00016	129	20	208	491	
FLDCT	B0001	H	00017	130	20	232	763	
FLDCT	B0001	H	00018	131	20	156	-98	
FLDCT	B0001	H	00019	132	20	154	-121	
FLDCT	B0001	H	00020	133	20	224	673	
FLDCT	B0001	H	00021	134	20	240	854	
FLDCT	B0001	H	00022	135	20	208	491	
FLDCT	B0001	H	00023	136	20	215	571	
FLDCT	B0001	H	00024	137	20	184	219	
FLDCT	B0001	H	00025	138	20	200	401	
FLDCT	B0001	I	00003	139	20	207	480	
FLDCT	B0001	I	00004	140	20	180	174	
FLDCT	B0001	I	00005	141	20	196	355	
FLDCT	B0001	I	00006	142	20	133	-359	
FLDCT	B0001	I	00007	143	20	212	537	
FLDCT	B0001	I	00008	144	20	198	378	
FLDCT	B0001	I	00009	145	20	249	956	
FLDCT	B0001	I	00010	146	20	237	820	
FLDCT	B0001	I	00011	147	20	250	967	
FLDCT	B0001	I	00012	148	20	247	933	
FLDCT	B0001	I	00013	149	20	261	1092	
FLDCT	B0001	I	00014	150	20	207	480	
FLDCT	B0001	I	00015	151	20	214	559	
FLDCT	B0001	I	00016	152	20	221	639	
FLDCT	B0001	I	00017	153	20	213	548	
FLDCT	B0001	I	00018	154	20	267	1160	
FLDCT	B0001	I	00019	155	20	218	605	
FLDCT	B0001	I	00020	156	20	230	741	
FLDCT	B0001	I	00021	157	20	219	616	
FLDCT	B0001	I	00022	158	20	223	661	
FLDCT	B0001	I	00023	159	20	212	537	
FLDCT	B0001	I	00024	160	20	213	548	
FLDCT	B0001	I	00025	161	20	188	265	
FLDCT	B9999	J	00001	162	20	90	-847	
FLDCT	B0001	J	00002	163	20	166	15	
FLDCT	B0001	J	00003	164	20	201	412	
FLDCT	B0001	J	00004	165	20	186	242	
FLDCT	B0001	J	00005	166	20	215	571	
FLDCT	B0001	J	00006	167	20	198	378	
FLDCT	B0001	J	00007	168	20	207	480	
FLDCT	B0001	J	00008	169	20	213	548	
FLDCT	B0001	J	00009	170	20	216	582	
FLDCT	B0001	J	00010	171	20	260	1081	
FLDCT	B0001	J	00011	172	20	220	627	
FLDCT	B0001	J	00012	173	20	212	537	
FLDCT	B0001	J	00013	174	20	242	877	
FLDCT	B0001	J	00014	175	20	236	809	
FLDCT	B0001	J	00015	176	20	197	367	
FLDCT	B0001	J	00016	177	20	204	446	
FLDCT	B0001	J	00017	178	20	168	38	
FLDCT	B0001	J	00018	179	20	187	253	
FLDCT	B0001	J	00019	180	20	226	695	
FLDCT	B0001	J	00020	181	20	215	571	
FLDCT	B0001	J	00021	182	20	221	639	
FLDCT	B0001	J	00022	183	20	216	582	
FLDCT	B0001	J	00023	184	20	214	559	
FLDCT	B0001	J	00024	185	20	205	457	
FLDCT	B0001	J	00025	186	20	196	355	
FLDCT	B0001	J	00026	187	20	192	310	
FLDCT	B9999	K	00001	188	20	91	-835	
FLDCT	B0001	K	00002	189	20	191	299	
FLDCT	B0001	K	00003	190	20	179	163	
FLDCT	B0001	K	00004	191	20	209	503	

* Hi flag set at 2400 dpm/100 cm2

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Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01F01	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDCT	B0001	K	00005	192	20	206	469	
FLDCT	B0001	K	00006	193	20	207	480	
FLDCT	B0001	K	00007	194	20	197	367	
FLDCT	B0001	K	00008	195	20	207	480	
FLDCT	B0001	K	00009	196	20	225	684	
FLDCT	B0001	K	00010	197	20	250	967	
FLDCT	B0001	K	00011	198	20	238	831	
FLDCT	B0001	K	00012	199	20	226	695	
FLDCT	B0001	K	00013	200	20	255	1024	
FLDCT	B0001	K	00014	201	20	232	763	
FLDCT	B0001	K	00017	202	20	268	1172	
FLDCT	B0001	K	00018	203	20	248	945	
FLDCT	B0001	K	00019	204	20	199	389	
FLDCT	B0001	K	00020	205	20	209	503	
FLDCT	B0001	K	00021	206	20	202	423	
FLDCT	B0001	K	00022	207	20	188	265	
FLDCT	B0001	K	00023	208	20	237	820	
FLDCT	B0001	K	00024	209	20	274	1240	
FLDCT	B0001	K	00025	210	20	217	593	
FLDCT	B0001	K	00026	211	20	193	321	
FLDCT	B9999	L	00001	212	20	93	-813	
FLDCT	B0001	L	00002	213	20	199	389	
FLDCT	B0001	L	00003	214	20	205	457	
FLDCT	B0001	L	00004	215	20	222	650	
FLDCT	B0001	L	00005	216	20	239	843	
FLDCT	B0001	L	00006	217	20	165	4	
FLDCT	B0001	L	00007	218	20	235	797	
FLDCT	B0001	L	00008	219	20	238	831	
FLDCT	B0001	L	00009	220	20	229	729	
FLDCT	B0001	L	00010	221	20	242	877	
FLDCT	B0001	L	00011	222	20	255	1024	
FLDCT	B0001	L	00012	223	20	278	1285	
FLDCT	B0001	L	00018	224	20	208	491	
FLDCT	B0001	L	00019	225	20	232	763	
FLDCT	B0001	L	00020	226	20	197	367	
FLDCT	B0001	L	00021	227	20	197	367	
FLDCT	B0001	L	00022	228	20	207	480	
FLDCT	B0001	L	00023	229	20	204	446	
FLDCT	B0001	L	00024	230	20	193	321	
FLDCT	B0001	L	00025	231	20	221	639	
FLDCT	B0001	L	00026	232	20	218	605	
FLDCT	B0001	M	00002	233	20	220	627	
FLDCT	B0001	M	00003	234	20	243	888	
FLDCT	B0001	M	00004	235	20	174	106	
FLDCT	B0001	M	00005	236	20	173	94	
FLDCT	B0001	M	00006	237	20	204	446	
FLDCT	B0001	M	00007	238	20	205	457	
FLDCT	B0001	M	00008	239	20	230	741	
FLDCT	B0001	M	00009	240	20	233	775	
FLDCT	B0001	M	00010	241	20	228	718	
FLDCT	B0001	M	00011	242	20	229	729	
FLDCT	B0001	M	00012	243	20	228	718	
FLDCT	B0001	M	00018	244	20	192	310	
FLDCT	B0001	M	00019	245	20	200	401	
FLDCT	B0001	M	00020	246	20	185	231	
FLDCT	B0001	M	00021	247	20	185	231	
FLDCT	B0001	M	00022	248	20	206	469	
FLDCT	B0001	M	00023	249	20	180	174	
FLDCT	B0001	M	00024	250	20	203	435	
FLDCT	B0001	M	00025	251	20	228	718	
FLDCT	B0001	N	00002	252	20	195	344	
FLDCT	B0001	N	00003	253	20	190	287	
FLDCT	B0001	N	00004	254	20	207	480	
FLDCT	B0001	N	00005	255	20	243	888	

* Hi flag set at 2400 dpm/100 cm2

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File: 196 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01F01	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDCT	B0001	N	00006	256	20	219	616	
FLDCT	B0001	N	00007	257	20	215	571	
FLDCT	B0001	N	00008	258	20	222	650	
FLDCT	B0001	N	00009	259	20	210	514	
FLDCT	B0001	N	00010	260	20	250	967	
FLDCT	B0001	N	00011	261	20	203	435	
FLDCT	B0001	N	00012	262	20	243	888	
FLDCT	B0001	N	00020	263	20	178	151	
FLDCT	B0001	N	00021	264	20	202	423	
FLDCT	B0001	N	00022	265	20	184	219	
FLDCT	B0001	N	00023	266	20	193	321	
FLDCT	B0001	N	00024	267	20	203	435	
FLDCT	B0001	N	00025	268	20	211	525	
FLDCT	B0001	N	00026	269	20	204	446	
FLDCT	B0001	O	00002	270	20	207	480	
FLDCT	B0001	O	00003	271	20	181	185	
FLDCT	B0001	O	00004	272	20	208	491	
FLDCT	B0001	O	00005	273	20	229	729	
FLDCT	B0001	O	00006	274	20	199	389	
FLDCT	B0001	O	00007	275	20	217	593	
FLDCT	B0001	O	00008	276	20	247	933	
FLDCT	B0001	O	00009	277	20	179	163	
FLDCT	B0001	O	00010	278	20	242	877	
FLDCT	B0001	O	00011	279	20	228	718	
FLDCT	B0001	O	00012	280	20	242	877	
FLDCT	B0001	O	00021	281	20	179	163	
LDCT	B0001	O	00022	282	20	158	-76	
LDCT	B0001	O	00023	283	20	201	412	
FLDCT	B0001	O	00024	284	20	205	457	
FLDCT	B0001	O	00025	285	20	214	559	
FLDCT	B0001	O	00026	286	20	172	83	
FLDCT	B0001	P	00002	287	20	163	-19	
FLDCT	B0001	P	00003	288	20	197	367	
FLDCT	B0001	P	00004	289	20	216	582	
FLDCT	B0001	P	00005	290	20	172	83	
FLDCT	B0001	P	00006	291	20	208	491	
FLDCT	B0001	P	00007	292	20	240	854	
FLDCT	B0001	P	00008	293	20	179	163	
FLDCT	B0001	P	00009	294	20	260	1081	
FLDCT	B0001	P	00010	295	20	197	367	
FLDCT	B0001	P	00011	296	20	307	1614	
FLDCT	B0001	P	00012	297	20	240	854	
FLDCT	B0001	P	00013	298	20	297	1500	
FLDCT	B0001	P	00022	299	20	178	151	
FLDCT	B0001	P	00023	300	20	211	525	
FLDCT	B0001	P	00024	301	20	224	673	
FLDCT	B0001	P	00025	302	20	208	491	
FLDCT	B0001	P	00026	303	20	247	933	
FLDCT	B0001	Q	00003	304	20	207	480	
FLDCT	B0001	Q	00004	305	20	185	231	
FLDCT	B0001	Q	00005	306	20	211	525	
FLDCT	B0001	Q	00006	307	20	222	650	
FLDCT	B0001	Q	00007	308	20	228	718	
FLDCT	B0001	Q	00008	309	20	215	571	
FLDCT	B0001	Q	00009	310	20	179	163	
FLDCT	B0001	Q	00010	311	20	186	242	
FLDCT	B0001	Q	00011	312	20	259	1070	
FLDCT	B0001	Q	00012	313	20	224	673	
FLDCT	B0001	Q	00013	314	20	242	877	
FLDCT	B0001	Q	00014	315	20	201	412	
LDCT	B0001	Q	00015	316	20	175	117	
LDCT	B0001	Q	00016	317	20	169	49	
FLDCT	B0001	Q	00017	318	20	170	60	
FLDCT	B0001	Q	00022	319	20	245	911	

* Hi flag set at 2400 dpm/100 cm2

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Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01F01	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDCT	B0001	Q	00023	320	20	170	60	
FLDCT	B0001	Q	00024	321	20	201	412	
FLDCT	B0001	Q	00025	322	20	221	639	
FLDCT	B0001	R	00003	323	20	194	333	
FLDCT	B0001	R	00004	324	20	190	287	
FLDCT	B0001	R	00005	325	20	219	616	
FLDCT	B0001	R	00006	326	20	184	219	
FLDCT	B0001	R	00007	327	20	260	1081	
FLDCT	B0001	R	00008	328	20	222	650	
FLDCT	B0001	R	00009	329	20	204	446	
FLDCT	B0001	R	00010	330	20	305	1591	
FLDCT	B0001	R	00011	331	20	218	605	
FLDCT	B0001	R	00012	332	20	226	695	
FLDCT	B0001	R	00013	333	20	204	446	
FLDCT	B0001	R	00014	334	20	180	174	
FLDCT	B0001	R	00015	335	20	173	94	
FLDCT	B0001	R	00016	336	20	205	457	
FLDCT	B0001	R	00017	337	20	192	310	
FLDCT	B0001	R	00018	338	20	158	-76	
FLDCT	B0001	R	00019	339	20	182	197	
FLDCT	B0001	R	00021	340	20	162	-30	
FLDCT	B0001	R	00022	341	20	224	673	
FLDCT	B0001	R	00023	342	20	224	673	
FLDCT	B0001	R	00024	343	20	192	310	
FLDCT	B0001	R	00025	344	20	205	457	
FLDCT	B0001	S	00003	345	20	167	26	
LDCT	B0001	S	00004	346	20	185	231	
LDCT	B0001	S	00005	347	20	183	208	
FLDCT	B0001	S	00006	348	20	209	503	
FLDCT	B0001	S	00007	349	20	209	503	
FLDCT	B0001	S	00008	350	20	227	707	
FLDCT	B0001	S	00009	351	20	226	695	
FLDCT	B0001	S	00010	352	20	228	718	
FLDCT	B0001	S	00011	353	20	200	401	
FLDCT	B0001	S	00012	354	20	194	333	
FLDCT	B0001	S	00013	355	20	203	435	
FLDCT	B0001	S	00014	356	20	196	355	
FLDCT	B0001	S	00015	357	20	194	333	
FLDCT	B0001	S	00016	358	20	187	253	
FLDCT	B0001	S	00017	359	20	191	299	
FLDCT	B0001	S	00018	360	20	190	287	
FLDCT	B0001	S	00019	361	20	169	49	
FLDCT	B0001	S	00020	362	20	200	401	
FLDCT	B0001	S	00021	363	20	206	469	
FLDCT	B0001	S	00022	364	20	202	423	
FLDCT	B0001	S	00023	365	20	212	537	
FLDCT	B0001	S	00024	366	20	206	469	
FLDCT	B0001	S	00025	367	20	212	537	
FLDCT	B0001	T	00004	368	20	211	525	
FLDCT	B0001	T	00005	369	20	195	344	
FLDCT	B0001	T	00006	370	20	225	684	
FLDCT	B0001	T	00007	371	20	218	605	
FLDCT	B0001	T	00008	372	20	194	333	
FLDCT	B0001	T	00009	373	20	209	503	
FLDCT	B0001	T	00010	374	20	216	582	
FLDCT	B0001	T	00011	375	20	203	435	
FLDCT	B0001	T	00012	376	20	190	287	
FLDCT	B0001	T	00013	377	20	180	174	
FLDCT	B0001	T	00014	378	20	207	480	
FLDCT	B0001	T	00015	379	20	170	60	
LDCT	B0001	T	00016	380	20	211	525	
LDCT	B0001	T	00017	381	20	206	469	
FLDCT	B0001	T	00018	382	20	206	469	
FLDCT	B0001	T	00019	383	20	217	593	

* Hi flag set at 2400 dpm/100 cm2

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Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01F01	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDCT	B0001	T	00020	384	20	202	423	
FLDCT	B0001	T	00021	385	20	198	378	
FLDCT	B0001	T	00022	386	20	216	582	
FLDCT	B0001	T	00023	387	20	229	729	
FLDCT	B0001	T	00024	388	20	201	412	
FLDCT	B0001	U	00005	389	20	176	128	
FLDCT	B0001	U	00006	390	20	222	650	
FLDCT	B0001	U	00007	391	20	182	197	
FLDCT	B0001	U	00008	392	20	210	514	
FLDCT	B0001	U	00009	393	20	211	525	
FLDCT	B0001	U	00010	394	20	214	559	
FLDCT	B0001	U	00011	395	20	163	-19	
FLDCT	B0001	U	00012	396	20	199	389	
FLDCT	B0001	U	00013	397	20	182	197	
FLDCT	B0001	U	00014	398	20	207	480	
FLDCT	B0001	U	00015	399	20	200	401	
FLDCT	B0001	U	00016	400	20	211	525	
FLDCT	B0001	U	00017	401	20	195	344	
FLDCT	B0001	U	00018	402	20	183	208	
FLDCT	B0001	U	00019	403	20	185	231	
FLDCT	B0001	U	00020	404	20	213	548	
FLDCT	B0001	U	00021	405	20	163	-19	
FLDCT	B0001	U	00023	406	20	217	593	
FLDCT	B0001	U	00024	407	20	191	299	
FLDCT	B0001	V	00005	408	20	214	559	
FLDCT	B0001	V	00006	409	20	222	650	
LDCT	B0001	V	00007	410	20	218	605	
FLDCT	B0001	V	00008	411	20	178	151	
FLDCT	B0001	V	00009	412	20	191	299	
FLDCT	B0001	V	00010	413	20	192	310	
FLDCT	B0001	V	00011	414	20	185	231	
FLDCT	B0001	V	00012	415	20	204	446	
FLDCT	B0001	V	00013	416	20	183	208	
FLDCT	B0001	V	00014	417	20	215	571	
FLDCT	B0001	V	00015	418	20	198	378	
FLDCT	B0001	V	00016	419	20	204	446	
FLDCT	B0001	V	00017	420	20	194	333	
FLDCT	B0001	V	00018	421	20	178	151	
FLDCT	B0001	V	00019	422	20	174	106	
FLDCT	B0001	W	00006	423	20	199	389	
FLDCT	B0001	W	00007	424	20	217	593	
FLDCT	B0001	W	00008	425	20	202	423	
FLDCT	B0001	W	00009	426	20	213	548	
FLDCT	B0001	W	00010	427	20	183	208	
FLDCT	B0001	W	00011	428	20	214	559	
FLDCT	B0001	W	00012	429	20	197	367	
FLDCT	B0001	W	00013	430	20	180	174	
FLDCT	B0001	W	00014	431	20	179	163	
FLDCT	B0001	W	00015	432	20	201	412	
FLDCT	B0001	W	00016	433	20	158	-76	
FLDCT	B0001	W	00017	434	20	187	253	
FLDCT	B0001	W	00018	435	20	194	333	
FLDCT	B0001	W	00019	436	20	197	367	
FLDCT	B0001	W	00020	437	20	182	197	
FLDCT	B0001	X	00008	438	20	212	537	
FLDCT	B0001	X	00009	439	20	199	389	
FLDCT	B0001	X	00010	440	20	273	1228	
FLDCT	B0001	X	00011	441	20	223	661	
FLDCT	B0001	X	00012	442	20	217	593	
FLDCT	B0001	X	00016	443	20	178	151	
.DCT	B0001	X	00017	444	20	192	310	
FLDCT	B0001	X	00018	445	20	191	299	
FLDCT	B0001	X	00019	446	20	183	208	
FLDCT	B0001	X	00020	447	20	156	-98	

* Hi flag set at 2400 dpm/100 cm2

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Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01F01	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDCT	B0001	Y	00010	448	20	206	469	
FLDCT	B0001	Y	00011	449	20	218	605	
FLDCT	B0001	Y	00012	450	20	197	367	
FLDCT	B0001	Y	00013	451	20	206	469	
FLDCT	B0001	Y	00014	452	20	154	-121	
FLDCT	B0001	Y	00015	453	20	194	333	
FLDCT	B0001	Y	00016	454	20	187	253	
FLDCT	B0001	Y	00017	455	20	163	-19	
FLDCT	B9999	Y	00018	456	20	113	-586	
FLDCT	B9999	Y	00019	457	20	113	-586	
FLDCT	B9999	Z	00017	458	20	110	-620	
FLDCT	B9999	Z	00018	459	20	97	-767	
FLDCT	B9999	Z	00019	460	20	91	-835	
FLDCT	B9999	AA	00017	461	20	119	-518	
FLDCT	B9999	AA	00018	462	20	113	-586	
FLDCT	B9999	AA	00019	463	20	108	-642	
						Group Average:	480	

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	EZ260	TAT01	02200	Det Cal Due: 12/06/01

L5 ntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRB00	ZZZZZ	ZZZZZ	00000	1	60	5546	19093	*
PRB00	ZZZZZ	ZZZZZ	00000	2	60	5830	20166	*
PRB00	ZZZZZ	ZZZZZ	00000	3	60	5680	19599	*
						Group Average:	19620	
PTB00	ZZZZZ	ZZZZZ	00000	466	60	5603	19308	*
PTB00	ZZZZZ	ZZZZZ	00000	467	60	5765	19921	*
PTB00	ZZZZZ	ZZZZZ	00000	468	60	5703	19686	*
						Group Average:	19638	

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	ZZZZZ	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	3993	-358	
						Group Average:	-358	
PTBBK	ZZZZZ	ZZZZZ	00000	465	600	4045	-338	
						Group Average:	-338	

* Hi flag set at 2400 dpm/100 cm2

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Comments

Total Number of Measurements on this Report: 469

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

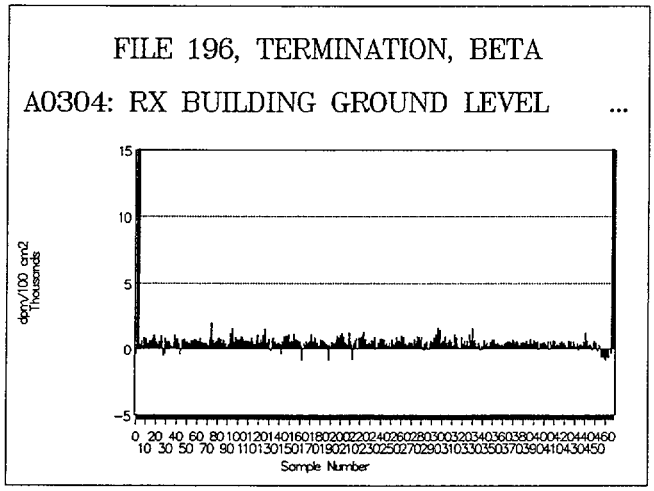
GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

7/19/2001 Graph of File 196 Station: 2

Survey Date: 7/18/2001 Survey Start Time: 08:04:08

Description: A0304: RX BUILDING GROUND LEVEL FLOOR



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

139

Download Print Technician: Name: D. Schumaker Signature: Station: 2 File: 191
Serial No. Verification: Model 2350: ☐ Detector: ☐ Problems: ☐ (See Comments)

Survey Technician(s):
Print Name: D. Schumaker User ID DS 4133 Signature: Date: 4/16/01

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

Survey Unit Description: A0304: ELEVATOR
(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: 12/6/01 Detector: 12/6/01

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	891050	43-68B	.209	5256/388	191	191
☐ Alpha α		43-68A				
☐ Gamma γ		44-2	N/A			

Local Area Background Measurements							MEAN Value in cpm
β Beta	1 3214	2 3448	3	4	5	6	333
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: 191	Survey Description: A0304: INSIDE ELEVATOR		
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: 43-68B	Detector S/N: 091050	Type: 126 cm2 Gas Proportional Detector, Beta Window	
Background: 333 cpm	Beta Efficiency: .209		Survey Date: 7/16/01

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 / _____ Date: 7/16/01
Print name Signature

and,

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

Corrections and Reasons:

Comment Resolution:

Survey Reviewed and Approved by: Paul Jones / _____ Date: 11/7/01
Print name Signature

Survey Date: 7/16/01 Report Date: 7/16/01 Page: 1
File: 191 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01EQ5	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B9999	ZZZZZ	00000	4	600	3214	-44	
FLDBK	B9999	ZZZZZ	00000	19	600	3448	45	
						Group Average:	0	
FLDCT	B9999	ZZZZZ	00001	5	20	123	137	
FLDCT	B9999	ZZZZZ	00002	6	20	141	342	
FLDCT	B9999	ZZZZZ	00003	7	20	90	-239	
FLDCT	B9999	ZZZZZ	00004	8	20	122	125	
FLDCT	B9999	ZZZZZ	00005	9	20	128	194	
FLDCT	B9999	ZZZZZ	00006	10	20	124	148	
FLDCT	B9999	ZZZZZ	00007	11	20	91	-228	
FLDCT	B9999	ZZZZZ	00008	12	20	112	11	
FLDCT	B9999	ZZZZZ	00009	13	20	106	-57	
FLDCT	B9999	ZZZZZ	00010	14	20	96	-171	
FLDCT	B9999	ZZZZZ	00011	15	20	78	-376	
FLDCT	B9999	ZZZZZ	00012	16	20	109	-23	
FLDCT	B9999	ZZZZZ	00013	17	20	107	-46	
FLDCT	B9999	ZZZZZ	00014	18	20	144	376	
						Group Average:	14	

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	EZ260	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRB00	ZZZZZ	ZZZZZ	00000	1	60	5600	20001	*
PRB00	ZZZZZ	ZZZZZ	00000	2	60	5672	20274	*
PRB00	ZZZZZ	ZZZZZ	00000	3	60	5659	20225	*
						Group Average:	20167	
PTB00	ZZZZZ	ZZZZZ	00000	21	60	5438	19386	*
PTB00	ZZZZZ	ZZZZZ	00000	22	60	5770	20646	*
PTB00	ZZZZZ	ZZZZZ	00000	23	60	5720	20456	*
						Group Average:	20163	

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	ZZZZZ	TAT01	02200	Det Cal Due: 12/06/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	3879	208	
						Group Average:	208	
PTBBK	ZZZZZ	ZZZZZ	00000	20	600	3892	213	
						Group Average:	213	

* Hi flag set at 2400 dpm/100 cm2

Survey Date: 7/16/01 Report Date: 7/16/01 Page: 2
File: 191 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

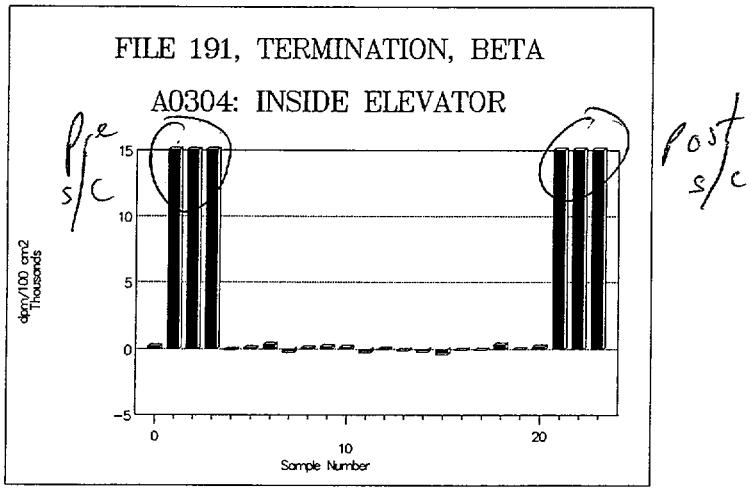
GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

7/16/2001 Graph of File 191 Station: 2

Survey Date: 7/16/2001 Survey Start Time: 15:24:06

Description: A0304: INSIDE ELEVATOR



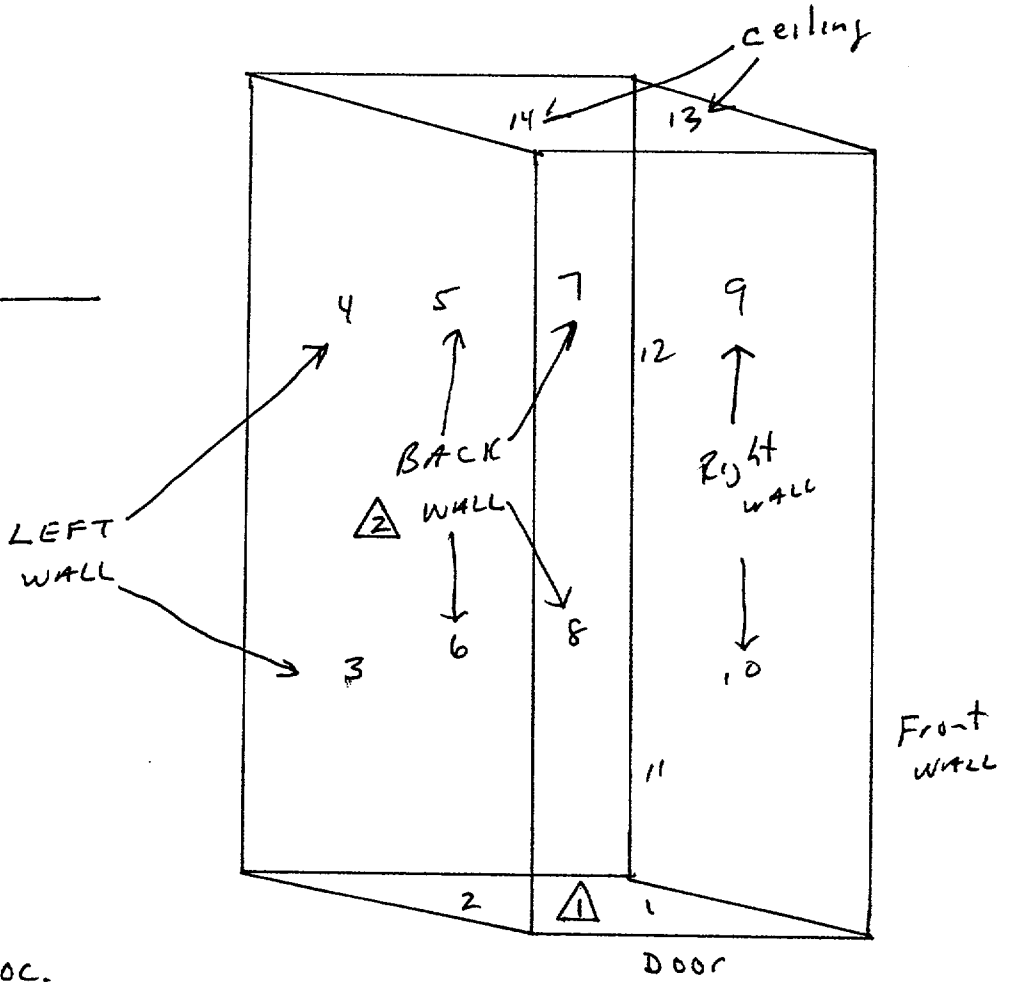
Flag set for 2400 dpm/100 cm2. Review values greater than this value.

Review this graph for visual outliers.

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

A0304 01EQ5

ELEVATOR



△ = TRITIUM LOC.

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 #213

ATTACHMENT 6.14
SURVEY DOWNLOAD DATA SHEET

146

wnload Print Technician: Name: PAUL JONES Signature: Station: 2 File: 213
Serial No. Verification: Model 2350: ☒ Detector: ☒ Problems: ☐ (See Comments)

Survey Technician(s):
Print Name: PAUL JONES User ID PAJ 5034 Signature: Date: 7/27/01

Print Name: User ID Signature: Date:

Survey Unit Description: Survey Package 04, 1st floor Trench #6 supplemental invest
(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: 9/22/01

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

Type of easurement	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	091089	44-40	.109	2761/37	213	

Local Area Background Measurements — MEAN Value in cpm

2 min β Beta	1 105	2 92	3 84	4	5	6	47
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: 213	Survey Description: A0304		
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: 44-40	Detector S/N: 091089	Type: Shielded GM Pancake Detector	
Background: 0 cpm	Beta Efficiency: .109		Survey Date: 7/27/01

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, Ø pages of comments, and 1 graph.

I performed this survey: PAUL JONES / Paul Jones Date: 11/7/01
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: 11/7/01
Print name Signature

Survey Date: 7/27/01 Report Date: 7/30/01 Page: 1
File: 213 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 3
	A0304	01T06	TST01	02200	Det Cal Due: 9/22/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B0002	ZZZZZ	00008	4	120	105	3107	*
FLDBK	B0002	ZZZZZ	00008	10	120	92	2723	*
FLDBK	B0002	ZZZZZ	00008	11	120	84	2486	*
						Group Average:	2772	
FLDCT	B0002	ZZZZZ	00008	5	120	167	4942	*
FLDCT	B0002	ZZZZZ	00008	6	120	150	4439	*
FLDCT	B0002	ZZZZZ	00008	7	120	178	5268	*
FLDCT	B0002	ZZZZZ	00008	8	120	138	4084	*
FLDCT	B0002	ZZZZZ	00008	9	120	167	4942	*
						Group Average:	4735	

Survey Code	L1	L2	L3	L4	Setup Number 3
	ZZZZZ	EZ260	TST01	02200	Det Cal Due: 9/22/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRB00	ZZZZZ	ZZZZZ	00000	1	60	2868	169754	*
PRB00	ZZZZZ	ZZZZZ	00000	2	60	2769	163895	*
PRB00	ZZZZZ	ZZZZZ	00000	3	60	2756	163125	*
						Group Average:	165591	
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	365	2160	
						Group Average:	2160	

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

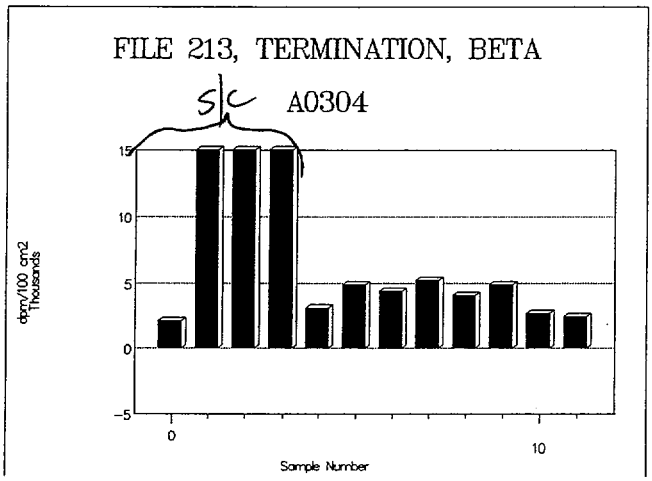
GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

7/30/2001 Graph of File 213 Station: 2

Survey Date: 7/27/2001 Survey Start Time: 13:08:20

Description: A0304



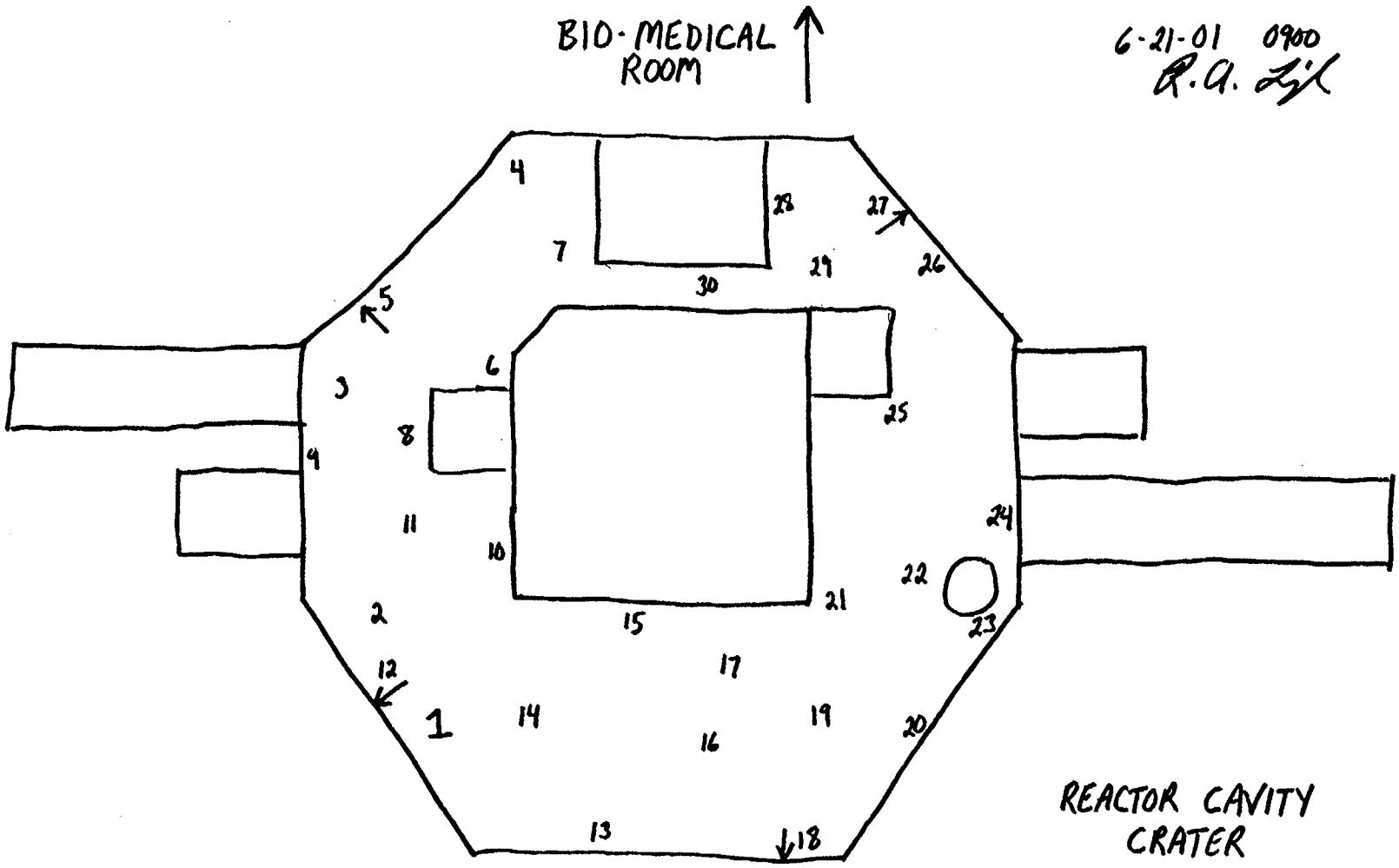
SUPPLEMENTAL INVESTIGATION

Direct Beta Survey Report File # 145 reading # 8 is 2457 dpm/100cm2 which is above the SPGL of 2400 dpm/100cm2. The instrument used for this survey had a detector area of 15.5 cm2.

The following instructions will be performed to investigate the elevated reading:

- Re-scan a 1 meter grid area surrounding location #8 to identify any small elevated hot spots above the SPGL,
- Take 5 additional readings immediately adjacent to reading #8.
- The original reading and the 5 additional readings will be combined to determine the activity per 93 cm2 and then converted to activity per 100 cm2.

Comments:



6-21-01 0900
R.A. Lik

1st floor Trench #6

6/22/01 Report Date: 6/22/01 Page: 1
Station: 2

Survey Code	L1	L2	L3	L4	Setup Number 3
	A0304	01T06	TST01	02000	Det Cal Due: 12/13/01

Comments

105*
① 167
② 150
③ 178
④ 138
⑤ 107 ?
.107
.109
46.45

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B0002	ZZZZZ	00001	4	120	102	3019	*
FLDBK	B0002	ZZZZZ	00002	5	120	92	2723	*
FLDBK	B0002	ZZZZZ	00003	6	120	107	3167	*
FLDBK	B0002	ZZZZZ	00004	7	120	95	2811	*
FLDBK	B0002	ZZZZZ	00005	8	120	114	3374	*
FLDBK	B0002	ZZZZZ	00006	9	120	107	3167	*
FLDBK	B0002	ZZZZZ	00007	10	120	107	3167	*
FLDBK	B0002	ZZZZZ	00008	11	120	93	2752	*
FLDBK	B0002	ZZZZZ	00009	12	120	97	2871	*
FLDBK	B0002	ZZZZZ	00010	13	120	103	3048	*
FLDBK	B0002	ZZZZZ	00011	14	120	94	2782	*
FLDBK	B0002	ZZZZZ	00012	15	120	100	2959	*
FLDBK	B0002	ZZZZZ	00013	16	120	126	3729	*
FLDBK	B0002	ZZZZZ	00014	17	120	88	2604	*
FLDBK	B0002	ZZZZZ	00015	18	120	103	3048	*
FLDBK	B0002	ZZZZZ	00016	19	120	99	2930	*
FLDBK	B0002	ZZZZZ	00017	20	120	98	2900	*
FLDBK	B0002	ZZZZZ	00018	21	120	97	2871	*
FLDBK	B0002	ZZZZZ	00019	22	120	83	2456	*
FLDBK	B0002	ZZZZZ	00020	23	120	96	2841	*
FLDBK	B0002	ZZZZZ	00021	24	120	109	3226	*
FLDBK	B0002	ZZZZZ	00022	25	120	104	3078	*
FLDBK	B0002	ZZZZZ	00023	26	120	83	2456	*
FLDBK	B0002	ZZZZZ	00024	27	120	83	2456	*
FLDBK	B0002	ZZZZZ	00025	28	120	96	2841	*
LDBK	B0002	ZZZZZ	00026	29	120	79	2338	
LDBK	B0002	ZZZZZ	00027	30	120	102	3019	*
LDBK	B0002	ZZZZZ	00028	31	120	96	2841	*
FLDBK	B0002	ZZZZZ	00029	32	120	100	2959	*
FLDBK	B0002	ZZZZZ	00030	33	120	96	2841	*
						Group Average:	2909	
FLDCT	B0002	ZZZZZ	00001	34	120	141	4173	*
FLDCT	B0002	ZZZZZ	00002	35	120	147	4350	*
FLDCT	B0002	ZZZZZ	00003	36	120	137	4054	*
FLDCT	B0002	ZZZZZ	00004	37	120	155	4587	*
FLDCT	B0002	ZZZZZ	00005	38	120	197	5830	*
FLDCT	B0002	ZZZZZ	00006	39	120	147	4350	*
FLDCT	B0002	ZZZZZ	00007	40	120	167	4942	*
FLDCT	B0002	ZZZZZ	00008	41	120	188	5564	*
FLDCT	B0002	ZZZZZ	00009	42	120	132	3906	*
FLDCT	B0002	ZZZZZ	00010	43	120	144	4262	*
FLDCT	B0002	ZZZZZ	00011	44	120	137	4054	*
FLDCT	B0002	ZZZZZ	00012	45	120	174	5149	*
FLDCT	B0002	ZZZZZ	00013	46	120	118	3492	*
FLDCT	B0002	ZZZZZ	00014	47	120	170	5031	*
FLDCT	B0002	ZZZZZ	00015	48	120	159	4706	*
FLDCT	B0002	ZZZZZ	00016	49	120	137	4054	*
FLDCT	B0002	ZZZZZ	00017	50	120	146	4321	*
FLDCT	B0002	ZZZZZ	00018	51	120	152	4498	*
FLDCT	B0002	ZZZZZ	00019	52	120	174	5149	*
FLDCT	B0002	ZZZZZ	00020	53	120	156	4617	*
FLDCT	B0002	ZZZZZ	00021	54	120	154	4558	*
FLDCT	B0002	ZZZZZ	00022	55	120	158	4676	*
FLDCT	B0002	ZZZZZ	00023	56	120	135	3995	*
FLDCT	B0002	ZZZZZ	00024	57	120	158	4676	*
FLDCT	B0002	ZZZZZ	00025	58	120	166	4913	*
FLDCT	B0002	ZZZZZ	00026	59	120	146	4321	*
DCT	B0002	ZZZZZ	00027	60	120	121	3581	*
LDCT	B0002	ZZZZZ	00028	61	120	135	3995	*
LDCT	B0002	ZZZZZ	00029	62	120	155	4587	*
FLDCT	B0002	ZZZZZ	00030	63	120	132	3906	*

* Hi flag set at 2400 dpm/100 cm2

2350 SERIES DATA LOGGERS

153

ATTACHMENT 6.14
SURVEY DOWNLOAD DATA SHEET

Download Technician: Print Name: D. Schumaker Signature: [signature] Station: 2 File: 95

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

Survey Technician(s):

Print Name: D. Schumaker User ID DPS 9133 Signature: [signature] Date: 3/27/01

Print Name:____ User ID____ Signature:____ Date:____

Survey Unit Description: A0300 Rx Bldg Bio Med Rm

(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: 4-30-01 Detector: 5-1-01

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			95	95
☒ Beta β	091029	43-68B	.213			
☐ Alpha α		43-68A				
☐ Gamma γ		44-2	N/A			
~~A Beta~~	~~091029~~	DS 3-27-01	~~.213~~			

Local Area Background Measurements (02F01, 02D01, 02C01; 10 min; 02W01 - W04) MEAN Value in cpm ↓

β Beta (5 min)	1 1994 (+1)	2 1975 (+1)	3 2520	4	5	6	346
α Alpha	1	2	3	4	5	6	

COMMENTS: (+1) 1994 + 1975 average 5 min counts bkg = ~~198.5~~ 397 cpm background

GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

Direct Beta Survey Report, dpm/100 cm2

File Number: 95	Survey Description: A0304:GEORGIA TECH RESEARCH REACTOR GROUND FLOOR BIOMEDICAL ROOM		
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: 346 cpm	Beta Efficiency: .213		Survey Date: 3/27/01

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 3 pages of the report, 0 pages of comments, and 1 graph.

I performed this survey: Don Schumaker / [signature] Date: 6-13-01 Reprint
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: 11/5/01
Print name Signature

Survey Date: 3/27/01 Report Date: 6/13/01 Page: 1
File: 95 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	020H1	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	B9999	ZZZZZ	00001	43	20	95	-227	
FLDCT	B9999	ZZZZZ	00002	44	20	98	-194	
FLDCT	B9999	ZZZZZ	00003	45	20	92	-261	
FLDCT	B9999	ZZZZZ	00004	46	20	118	30	
FLDCT	B9999	ZZZZZ	00005	47	20	113	-26	
FLDCT	B9999	ZZZZZ	00006	48	20	114	-15	
FLDCT	B9999	ZZZZZ	00007	49	20	154	432	
FLDCT	B9999	ZZZZZ	00008	50	20	175	667	
FLDCT	B9999	ZZZZZ	00009	51	20	119	41	
FLDCT	B9999	ZZZZZ	00010	52	20	112	-37	
						Group Average:	41	

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	02D01	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	B9999	ZZZZZ	00001	53	20	252	1528	
						Group Average:	1528	

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	02F01	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
FLDBK	B0002	ZZZZZ	00000	4	300	1994	197	
FLDBK	B0002	ZZZZZ	00000	55	300	1975	183	
						Group Average:	190	
FLDCT	B0002	A	00001	5	20	188	812	
FLDCT	B0002	A	00002	6	20	202	969	
FLDCT	B0002	A	00003	7	20	191	846	
FLDCT	B0002	A	00004	8	20	174	656	
FLDCT	B0002	B	00001	9	20	188	812	
FLDCT	B0002	B	00002	10	20	188	812	
FLDCT	B0002	B	00003	11	20	185	779	
FLDCT	B0002	B	00004	12	20	228	1259	
FLDCT	B0002	C	00001	13	20	176	678	
FLDCT	B0002	C	00002	14	20	172	633	
FLDCT	B0002	C	00003	15	20	208	1036	
FLDCT	B0002	C	00004	16	20	188	812	
						Group Average:	842	

* Hi flag set at 2400 dpm/100 cm2

Survey Date: 3/27/01 Report Date: 6/13/01 Page: 2
File: 95 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	02W01	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
FLDBK	B9999	ZZZZZ	00000	54	600	2520	-350	
						Group Average:	-350	
FLDCT	B9999	A	00001	17	20	102	-149	
FLDCT	B9999	A	00002	18	20	106	-104	
FLDCT	B9999	A	00003	19	20	108	-82	
FLDCT	B9999	B	00001	20	20	76	-440	
FLDCT	B9999	B	00002	21	20	95	-227	
FLDCT	B9999	B	00003	22	20	89	-294	
						Group Average:	-216	

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	02W02	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	B9999	A	00001	23	20	127	130	
FLDCT	B9999	A	00002	24	20	138	253	
FLDCT	B9999	A	00003	25	20	132	186	
FLDCT	B9999	A	00004	26	20	86	-328	
.DCT	B9999	B	00001	27	20	98	-194	
LDCT	B9999	B	00002	28	20	112	-37	
FLDCT	B9999	B	00003	29	20	95	-227	
FLDCT	B9999	B	00004	30	20	100	-171	
						Group Average:	-48	

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	02W03	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	B9999	A	00001	31	20	99	-183	
FLDCT	B9999	A	00003	32	20	120	52	
FLDCT	B9999	B	00001	33	20	113	-26	
FLDCT	B9999	B	00003	34	20	105	-116	
						Group Average:	-68	

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	02W04	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	B9999	A	00001	35	20	104	-127	
FLDCT	B9999	A	00002	36	20	100	-171	
)CT	B9999	A	00003	37	20	119	41	
DCT	B9999	A	00004	38	20	108	-82	
FLDCT	B9999	B	00001	39	20	89	-294	
FLDCT	B9999	B	00002	40	20	116	7	

* Hi flag set at 2400 dpm/100 cm2

Survey Date: 3/27/01 Report Date: 6/13/01 Page: 3
File: 95 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	02W04	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	B9999	B	00003	41	20	102	-149	
FLDCT	B9999	B	00004	42	20	85	-339	
						Group Average:	-139	

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	EZ260	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
PRB00	ZZZZZ	ZZZZZ	00000	1	60	5811	20363	*
PRB00	ZZZZZ	ZZZZZ	00000	2	60	5865	20564	*
PRB00	ZZZZZ	ZZZZZ	00000	3	60	5526	19301	*
						Group Average:	20076	
PTB00	ZZZZZ	ZZZZZ	00000	57	60	5665	19819	*
PTB00	ZZZZZ	ZZZZZ	00000	58	60	5859	20542	*
PTB00	ZZZZZ	ZZZZZ	00000	59	60	5569	19461	*
						Group Average:	19941	

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	Hi
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	3662	75	
						Group Average:	75	
PTBBK	ZZZZZ	ZZZZZ	00000	56	600	3573	42	
						Group Average:	42	

Total Number of Measurements on this Report: 60

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

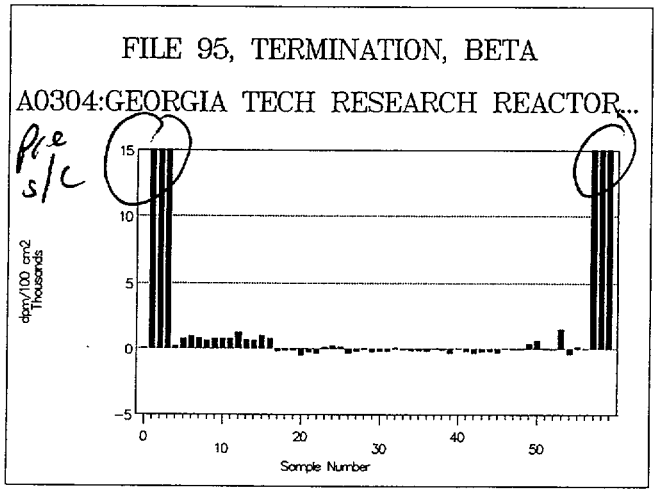
GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

6/13/2001 Graph of File 95 Station: 2

Survey Date: 3/27/2001 Survey Start Time: 08:56:16

Description: A0304:GEORGIA TECH RESEARCH REACTOR GROUND FLOOR BIOMEDICAL RO



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

159

Download Print
Technician: Name: D. Schumaker Signature: Station: 2
Serial No. Verification: Model 2350: ☑ Detector: ☑ Problems: ☐ (See Comments) File: 198

Survey Technician(s):
Print Name: Bill Bishop User ID WMB 7302 Signature: Date: 7-19-01

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

Survey Unit Description: A0304: Personnel Hatch Going to GA Tech Lab Area
(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 ☑: 129433

Instrument and Detector Calibration Due Dates: Survey Meter: 10-24-01 Detector: 12-21-01

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	095080	43-68B	.222	5604/392	198	198
☐ Alpha α		43-68A				
☐ Gamma γ		44-2	N/A			

Local Area Background Measurements — MEAN Value in cpm

β Beta	1 3985	2 4592	3	4	5	6	429
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: 198	Survey Description: A0304: PERSONNEL HATCH GOING TO GA. TECH LAB AREA		
Survey Reason: TERMINATION	User ID: WMB7302	Technician name: Bill Bishop	
Instrument Model: 2350-1	S/N: 129433	Calibration Due: 10/24/01	Group: 2
Detector Model: 43-68	Detector S/N: 095080	Type: 126 cm2 Gas Proportional Detector	
Background: 429 cpm	Beta Efficiency: .222		Survey Date: 7/18/01

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: Bill Bishop / Bill Bishop Date: 7-19-01
Print name Signature

and,

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

Corrections and Reasons:

Comment Resolution:

Survey Reviewed and Approved by: PAM JONES / Pam Jones Date: 11/07/01
Print name Signature

Survey Date: 7/18/01 Report Date: 7/19/01 Page: 1
File: 198 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01S03	TAT01	02200	Det Cal Due: 12/21/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDBK	B9999	ZZZZZ	00000	4	600	3985	-109	
FLDBK	B9999	ZZZZZ	00000	65	600	4592	108	
						Group Average:	-1	
FLDCT	B9999	ZZZZZ	00001	5	20	166	247	
FLDCT	B9999	ZZZZZ	00002	6	20	179	386	
FLDCT	B9999	ZZZZZ	00003	7	20	195	558	
FLDCT	B9999	ZZZZZ	00004	8	20	187	472	
FLDCT	B9999	ZZZZZ	00005	9	20	184	440	
FLDCT	B9999	ZZZZZ	00006	10	20	160	182	
FLDCT	B9999	ZZZZZ	00007	11	20	161	193	
FLDCT	B9999	ZZZZZ	00008	12	20	144	11	
FLDCT	B9999	ZZZZZ	00009	13	20	159	172	
FLDCT	B9999	ZZZZZ	00010	14	20	160	182	
FLDCT	B9999	ZZZZZ	00011	15	20	166	247	
FLDCT	B9999	ZZZZZ	00012	16	20	158	161	
FLDCT	B9999	ZZZZZ	00013	17	20	144	11	
FLDCT	B9999	ZZZZZ	00014	18	20	130	-139	
FLDCT	B9999	ZZZZZ	00015	19	20	126	-182	
FLDCT	B9999	ZZZZZ	00016	20	20	141	-21	
FLDCT	B9999	ZZZZZ	00017	21	20	225	879	
FLDCT	B9999	ZZZZZ	00018	22	20	158	161	
FLDCT	B9999	ZZZZZ	00019	23	20	153	107	
FLDCT	B9999	ZZZZZ	00020	24	20	117	-279	
FLDCT	B9999	ZZZZZ	00021	25	20	147	43	
FLDCT	B9999	ZZZZZ	00022	26	20	127	-172	
FLDCT	B9999	ZZZZZ	00023	27	20	176	354	
FLDCT	B9999	ZZZZZ	00024	28	20	160	182	
FLDCT	B9999	ZZZZZ	00025	29	20	128	-161	
FLDCT	B9999	ZZZZZ	00026	30	20	178	375	
FLDCT	B9999	ZZZZZ	00027	31	20	170	290	
FLDCT	B9999	ZZZZZ	00028	32	20	153	107	
FLDCT	B9999	ZZZZZ	00029	33	20	165	236	
FLDCT	B9999	ZZZZZ	00030	34	20	148	54	
FLDCT	B9999	ZZZZZ	00031	35	20	119	-257	
FLDCT	B9999	ZZZZZ	00032	36	20	166	247	
FLDCT	B9999	ZZZZZ	00033	37	20	153	107	
FLDCT	B9999	ZZZZZ	00034	38	20	143	0	
FLDCT	B9999	ZZZZZ	00035	39	20	142	-11	
FLDCT	B9999	ZZZZZ	00036	40	20	134	-97	
FLDCT	B9999	ZZZZZ	00037	41	20	151	86	
FLDCT	B9999	ZZZZZ	00038	42	20	132	-118	
FLDCT	B9999	ZZZZZ	00039	43	20	148	54	
FLDCT	B9999	ZZZZZ	00040	44	20	121	-236	
FLDCT	B9999	ZZZZZ	00041	45	20	119	-257	
FLDCT	B9999	ZZZZZ	00042	46	20	126	-182	
FLDCT	B9999	ZZZZZ	00043	47	20	130	-139	
FLDCT	B9999	ZZZZZ	00044	48	20	112	-332	
FLDCT	B9999	ZZZZZ	00045	49	20	129	-150	
FLDCT	B9999	ZZZZZ	00046	50	20	113	-322	
FLDCT	B9999	ZZZZZ	00047	51	20	94	-526	
FLDCT	B9999	ZZZZZ	00048	52	20	118	-268	
FLDCT	B9999	ZZZZZ	00049	53	20	99	-472	
FLDCT	B9999	ZZZZZ	00050	54	20	90	-568	
FLDCT	B9999	ZZZZZ	00051	55	20	114	-311	
FLDCT	B9999	ZZZZZ	00052	56	20	151	86	
FLDCT	B9999	ZZZZZ	00053	57	20	127	-172	
FLDCT	B9999	ZZZZZ	00054	58	20	174	332	
FLDCT	B9999	ZZZZZ	00055	59	20	180	397	
FLDCT	B9999	ZZZZZ	00056	60	20	178	375	
FLDCT	B9999	ZZZZZ	00057	61	20	199	601	
FLDCT	B9999	ZZZZZ	00058	62	20	144	11	
FLDCT	B9999	ZZZZZ	00059	63	20	120	-247	

* Hi flag set at 2400 dpm/100 cm2

Survey Date: 7/18/01 Report Date: 7/19/01 Page: 2
File: 198 Station: 2

Comments

Survey Code	L1	L2	L3	L4	Setup Number 0
	A0304	01S03	TAT01	02200	Det Cal Due: 12/21/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
FLDCT	B9999	ZZZZZ	00060	64	20	154	118	
						Group Average:	47	

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	EZ260	TAT01	02200	Det Cal Due: 12/21/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRB00	ZZZZZ	ZZZZZ	00000	1	60	5947	19727	*
PRB00	ZZZZZ	ZZZZZ	00000	2	60	6028	20016	*
PRB00	ZZZZZ	ZZZZZ	00000	3	60	6014	19966	*
						Group Average:	19903	
PTB00	ZZZZZ	ZZZZZ	00000	67	60	5837	19334	*
PTB00	ZZZZZ	ZZZZZ	00000	68	60	5888	19516	*
PTB00	ZZZZZ	ZZZZZ	00000	69	60	5855	19398	*
						Group Average:	19416	

Survey Code	L1	L2	L3	L4	Setup Number 0
	ZZZZZ	ZZZZZ	TAT01	02200	Det Cal Due: 12/21/01

L5 CntTy	L6 BkgSu	L7 Grid	L8 LocNm	Sample Number	Count Time	Gross Counts	Net dpm/100cm2	Hi
PRBBK	ZZZZZ	ZZZZZ	00000	0	600	3922	-132	
						Group Average:	-132	
PTBBK	ZZZZZ	ZZZZZ	00000	66	600	4377	31	
						Group Average:	31	

Total Number of Measurements on this Report: 70

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

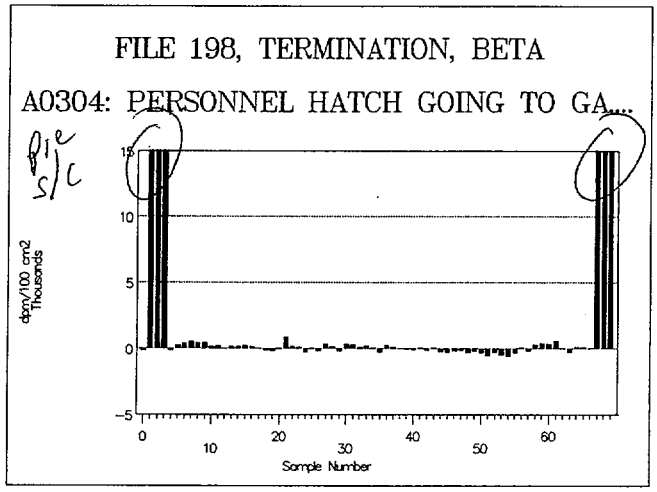
GTS DURATEK RADIOLOGICAL ENGINEERING & FIELD SERVICES

GEORGIA INSTITUTE OF TECHNOLOGY

7/19/2001 Graph of File 198 Station: 2

Survey Date: 7/18/2001 Survey Start Time: 14:49:34

Description: A0304: PERSONNEL HATCH GOING TO GA. TECH LAB AREA

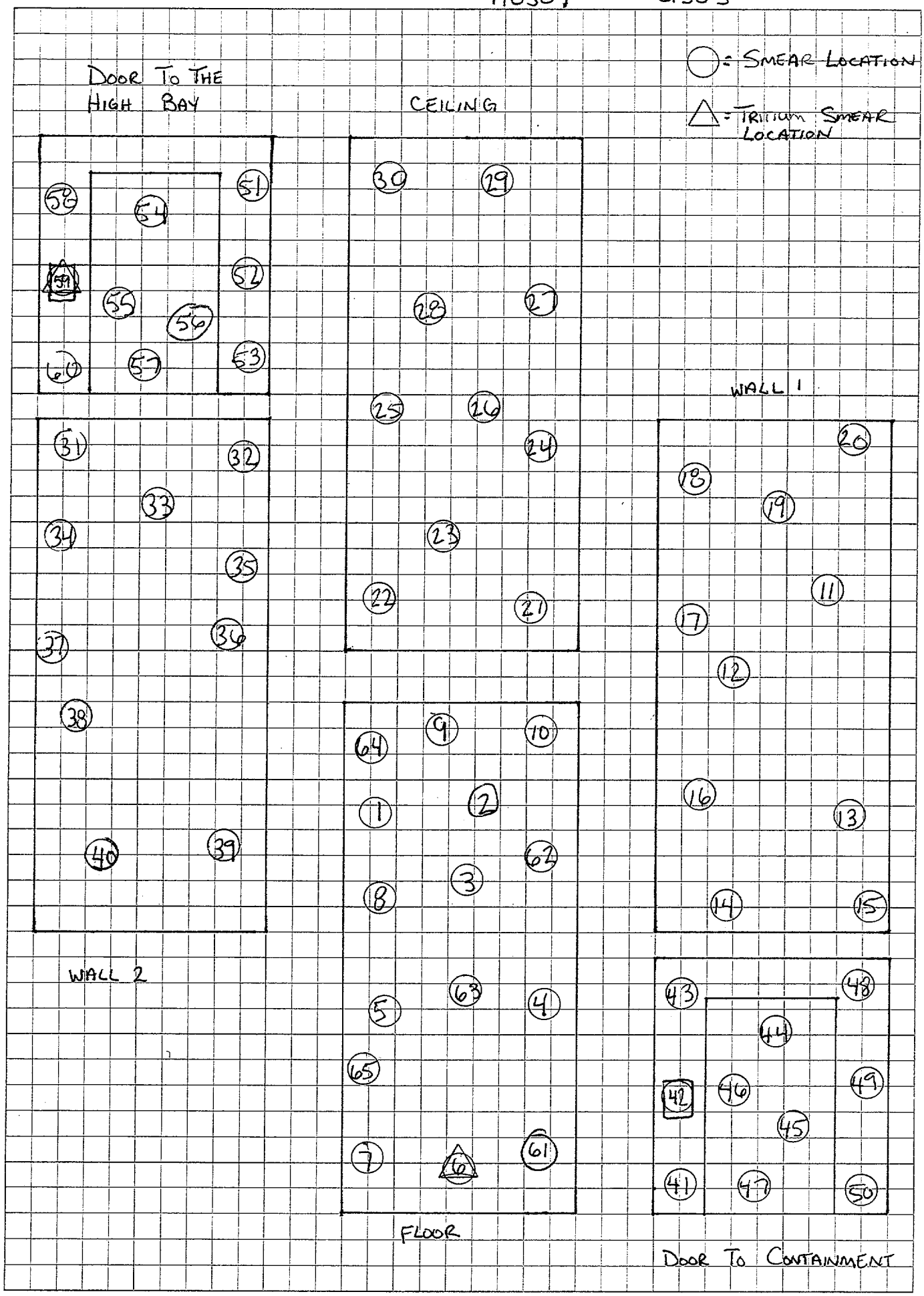


Flag set for 2400 dpm/100 cm2. Review values greater than this value.

Review this graph for visual outliers.

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

A0304 01503


○ = SMEAR LOCATION
△ = TRITIUM SMEAR LOCATION
DOOR TO THE HIGH BAY
CEILING
WALL 1
WALL 2
FLOOR
DOOR TO CONTAINMENT