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F-23, B-186

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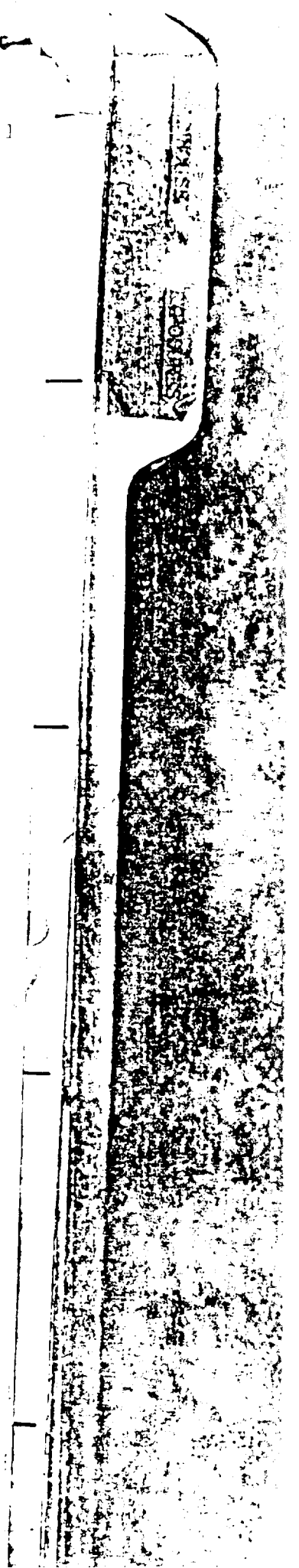
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For Redman

SEP 27 1979

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PHOTOCOPIED MATERIAL REMOVED

Copy of H-2 records, ROSAL GREENHOUSE EXPOSURES recorded in individual records

records.
Milligrams
Total Exposure

Name:

7	7
175	175
1,085	1,085
7	7
7	7
70	70
70	70
180	180
275	275
70	70
7	7
180	180
7	7
275	275
70	70
220	220
100	100
3,417	3,417
1,561	1,561
2,371	2,371
3,392	3,392
147	147
112	112
70	70
2,436	2,436
469	469
810	810

Classification changed to
by authority of the U. S. Atomic Energy Commission,
Per *[Signature]*
By *[Signature]*
(Signature of person making the change, and date)

PHOTOCOPIED MATERIAL REMOVED

~~CONFIDENTIAL~~

NAME : PRIVACY ACT MATERIAL REMOVED

TOTAL Exposure

	3,632
	56
	224
	408
	1,655
	756
	1,255
	2,657
	1,769
	298
	1,133
	286
	63
	1,022
	5,370
	1,554
	2,923
	3,990
	1,554
	2,688
	2,688
	3,990
	2,688
	3,990
	2,688
	1,554
	1,554
	1,554

PRIVACY ACT MATERIAL REMOVED



Greenhouse Exposures

COPY
-3-

Name :

Total Exposure

PRIVACY ACT MATERIAL REMOVED

3,990

3,990

1,554

1,554

3,990

3,990

3,990

3,990

1,491

3,990

3,990

4,140

3,640

4,065

2,993

697

1,540

3,990

3,794

3,990

3,990

4,779

3,374

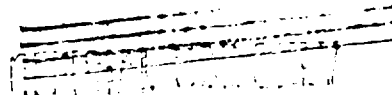
1,085

1,470

2,905

1,554

PRIVACY ACT MATERIAL REMOVED



Name:

Total Exposure

PRIVACY ACT MATERIAL REMOVED

3,990

3,338

3,990

1,526

3,388

3,388

3,990

4,710

3,990

1,554

3,990

3,990

3,990

4,070

3,150

3,388

3,990

3,990

3,990

2,870

112

77

4,263

77

760

420

~~CONFIDENTIAL~~

PRIVACY ACT MATERIAL REMOVED

Name:

Total Exposure

PRIVACY ACT MATERIAL REMOVED	4,944
	5,310
	3,069
	2,487
	3,700
	6,420
	2,474
	6,056
	8,205
	1,220
	434
	2,215
	434
	1,022
	1,559
	168
	1,022
	704
	861
	2,235
	123
	1,040
	112
	98
	4,966
	8,463
	4,569

~~CONFIDENTIAL~~

PRIVACY ACT MATERIAL REMOVED

<u>Name</u>	<u>Total Exposure</u>
PRIVACY ACT MATERIAL REMOVED	9,210
	7,280
	4,644
	2,841
	3,990
	6,700
	3,395
	1,040
	9,830
	6,570
	7,064
	8,955
	3,854
	1,554
	1,745
	1,085
	1,639
	1,484
	1,404
	900
	640
	5,313
	6,365
	307
	5,274
	405

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<u>Name :</u>	PRIVACY ACT MATERIAL REMOVED	<u>Total Exposures</u>
		5,407
		102
		5,083
		367
		3,749
		4,344
		3,639
		7,775
		330
		702
		5,798
		407
		92
		235
		3,794
		645
		5,334
		112
		2,674
		8,230
		625
		3,668
		2,436
		2,710

~~CONFIDENTIAL~~

<u>Items</u>	<u>PRIVACY ACT MATERIAL REMOVED</u>	<u>Total Exposures</u>
	192	
	2,674	
	2,440	
	112	
	1,554	
	2,520	
	289	
	2,954	
	2,660	
	1,554	
	1,554	
	7	
	2,660	
	2,574	
	3,388	
	2,489	
	4,594	
	1,324	
	4,352	
	2,423	
	1,554	
	162	
	2,273	
	2,394	

~~PRIVACY ACT MATERIAL REMOVED~~

PRIVACY ACT MATERIAL REMOVED

<u>Name</u>	<u>PRIVACY ACT MATERIAL REMOVED</u>	<u>Total Exposures</u>
		3,104
		4,861
		2,567
		1,620
		2,472
		5,286
		3,844
		5,071
		1,554
		1,270
		1,554
		1,854
		1,732
		2,544
		1,148
		7
		84
		1,736
		1,547
		602
		602
		147
		3,721
		3,396
		1,736
		1,554

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PRIVACY ACT MATERIAL REMOVED

Name

Total Exposures

1,148

434

728

10,070

2,150

8,540

3,468

7,706

3,574

5.35

1,924

4,599

8,425

3,990

840

3,990

5,650

2,567

4,355

522

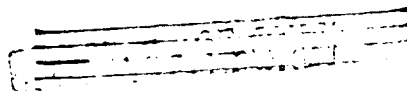
6,140

1,647

1,435

1,211

4,134



Name:

Total Exposure

2,240

512

5,515

1,323

2,506

1,769

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~~CONFIDENTIAL~~

12/1/56

~~CONFIDENTIAL~~
"GREENHOUSE" EXPOSURES

PRIVACY ACT MATERIAL REMOVED

<u>FB</u>	<u>Exrd</u>	<u>70% Exrd</u>	<u>Total</u>
6.08	5.70	3.99	10.07
5.84	5.70	3.99	9.83
5.22	5.70	3.99	9.21
4.97	5.70	3.99	8.96
4.55	5.70	3.99	8.54
5.47	4.28	3.00	8.47
4.44	5.70	3.99	8.43
4.24	5.70	3.99	8.23
4.22	5.70	3.99	8.21
3.79	5.70	3.99	7.78
4.50	4.58	3.21	7.71
3.29	5.70	3.99	7.28
5.71	2.22	1.55	7.26
5.51	2.22	1.55	7.06
3.75	4.50	3.15	6.90
2.90	5.70	3.99	6.89
5.15	2.22	1.55	6.70
2.58	5.70	3.99	6.57
2.43	5.70	3.99	6.42
2.38	5.70	3.99	6.37
2.15	5.70	3.99	6.14
2.26	5.42	3.79	6.05
1.81	5.70	3.99	5.80
1.66	5.70	3.99	5.65

PRIVACY ACT MATERIAL REMOVED

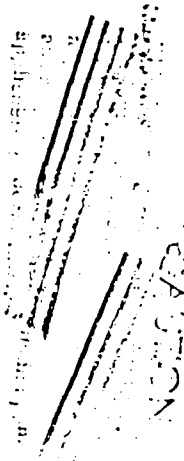
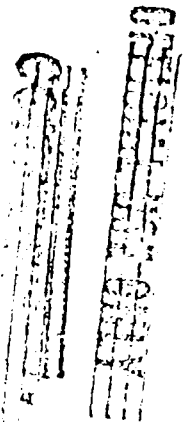
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U.S. DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
APPLICABLE FEDERAL LAWS

PRIVACY ACT MATERIAL REMOVED	FB	Blkd	705 Blkd	Total
	1.53	5.70	3.99	5.52
	2.73	3.82	2.67	5.40
	1.54	5.42	3.79	5.33
	1.93	4.84	3.39	5.32
	1.32	5.70	3.99	5.31
	2.08	4.58	3.21	5.29
	2.60	3.82	2.67	5.27
	1.70	4.84	3.39	5.08
	1.87	4.58	3.21	5.07
	4.09	1.23	.88	4.97
	2.27	3.82	2.67	4.94
	1.66	4.58	3.21	4.87
	1.41	4.82	3.37	4.78
	.72	5.70	3.99	4.71
	.85	5.42	3.79	4.64
	3.89	1.02	.71	4.60
	2.20	3.42	2.39	4.59
	3.02	2.22	1.55	4.57
	.37	5.70	3.99	4.36
	.67	5.26	3.68	4.35
	1.67	3.82	2.67	4.34
	.88	4.84	3.39	4.27
	.15	5.70	3.99	4.14
	.34	5.42	3.79	4.13
	.08	5.70	3.99	4.07
		5.70	3.99	3.99

PRIVACY ACT MATERIAL REMOVED



PRIVACY ACT MATERIAL REMOVED

<u>FB</u>	<u>Hard</u>	<u>70% Hard</u>	<u>Total</u>
	5.70	3.99	3.99
	5.70	3.99	3.99
.06	5.42	3.79	3.85
2.29	2.22	1.55	3.84
	5.42	3.79	3.79
	5.42	3.79	3.79
1.08	3.82	2.67	3.75
2.19	2.22	1.55	3.74
.52	4.58	3.21	3.73
2.15	2.22	1.55	3.70
.28	4.84	3.39	3.67
	5.20	3.65	3.65
.24	4.84	3.39	3.63
2.86	1.02	.71	3.57
1.91	2.22	1.55	3.46
.05	4.81	3.36	3.41
.19	4.58	3.21	3.40
	4.85	3.40	3.40
	4.84	3.39	3.39
	4.84	3.39	3.39
	4.84	3.39	3.39
	4.84	3.39	3.39
	4.84	3.39	3.39
	4.82	3.37	3.37
	4.50	3.15	3.15
1.55	2.22	1.55	3.10
.40	3.82	2.67	3.07

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Greenhouse" Exposures (Continued)

PRIVACY ACT MATERIAL REMOVED	<u>FB</u>	<u>Board</u>	<u>70% Board</u>	<u>Total</u>
		4.28	3.00	3.00
		4.22	2.95	2.95
	.24	3.84	2.69	2.93
		4.15	2.91	2.91
	.21	3.80	2.66	2.87
	1.46	1.98	1.39	2.85
	.05	3.80	2.66	2.71
		3.84	2.69	2.69
		3.84	2.69	2.69
		3.84	2.69	2.69
		3.84	2.69	2.69
		3.82	2.67	2.67
		3.82	2.67	2.67
		3.48	2.66	2.66
		3.48	2.66	2.66
	.06	3.71	2.60	2.66
	1.02	2.21	1.55	2.57
	1.02	2.21	1.55	2.57
	.11	3.52	2.46	2.57
	.99	2.22	1.55	2.54
		3.60	2.52	2.52
		3.58	2.51	2.51
	.31	3.12	2.18	2.49
	.93	2.22	1.55	2.48
	.92	2.22	1.55	2.47
	.92	2.22	1.55	2.47
		3.48	2.44	2.44

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Warehouse" Exposures (Continued)

PRIVACY ACT MATERIAL REMOVED	FB	Exod	705 Exod	Total
		3.48	2.44	2.44
		3.48	2.44	2.44
		3.47	2.43	2.43
.23		3.14	2.20	2.43
		3.42	2.39	2.39
.07		3.29	2.30	2.37
.08		3.14	2.20	2.28
		3.20	2.24	2.24
.74		2.14	1.50	2.24
1.83		.49	.34	2.22
.82		1.90	1.33	2.15
1.00		1.32	.92	1.92
.42		1.90	1.33	1.75
.22		2.22	1.55	1.77
.30		2.22	1.55	1.85
		2.38	1.74	1.74
		2.38	1.74	1.74
.19		2.21	1.55	1.74
.15		2.10	1.47	1.62
.37		1.82	1.27	1.64
.88		1.10	.77	1.65
.10		2.21	1.55	1.65
.51		1.64	1.15	1.66
.95		.87	.61	1.56
		2.22	1.55	1.55
PRIVACY ACT MATERIAL REMOVED		2.22	1.55	1.55
		2.22	1.55	1.55

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<u>FB</u>	<u>Filed</u>	<u>705 Filed</u>	<u>Total</u>
	2.22	1.55	1.55
	2.22	1.55	1.55
PRIVACY ACT MATERIAL REMOVED	2.22	1.55	1.55
	2.21	1.55	1.55
	2.22	1.55	1.55
	2.22	1.55	1.55
	2.22	1.55	1.55
	2.22	1.55	1.55
	2.22	1.55	1.55
	2.22	1.55	1.55
	2.22	1.55	1.55
	2.22	1.55	1.55
	2.22	1.55	1.55
	2.22	1.55	1.55
	2.22	1.55	1.55
	2.22	1.55	1.55
	2.22	1.55	1.55
	2.20	1.54	1.54
	2.18	1.53	1.53
	2.13	1.49	1.49
.21	1.82	1.27	1.48
	2.10	1.47	1.47
	2.05	1.44	1.44
.13	1.82	1.27	1.40
1.21	.17	.12	1.33
	1.89	1.32	1.32
.43	1.20	.84	1.27
.87	.55	.39	1.26

PRIVACY ACT MATERIAL REMOVED

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~~... affecting the ...~~

~~... in ...~~

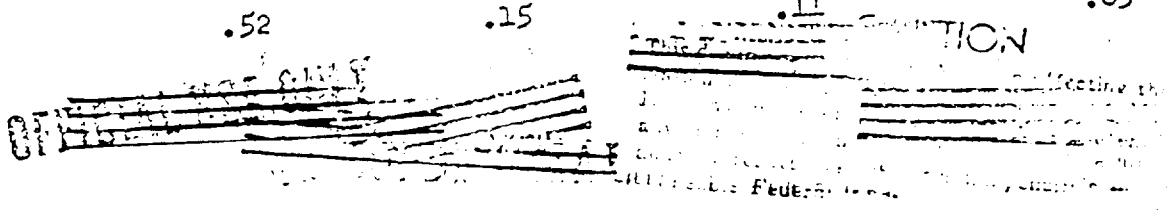
~~... prohibited ...~~

~~... and ...~~

Greenhouse Exposures (Continued)

<u>FB</u>	<u>Expo</u>	<u>70% Expo</u>	<u>Total</u>
PRIVACY ACT MATERIAL REMOVED			
.80	.49	.34	1.22
	1.73	1.21	1.21
	1.61	1.15	1.15
	1.61	1.15	1.15
.23	1.29	.90	1.13
	1.60	1.12	1.12
	1.55	1.09	1.09
	1.55	1.09	1.09
	1.55	1.09	1.09
.73	.44	.31	1.04
	1.49	1.04	1.04
	1.46	1.02	1.02
	1.46	1.02	1.02
	1.46	1.02	1.02
.36	.87	.61	.97
.90			.90
.12	1.07	.75	.87
	1.20	.84	.84
	1.15	.81	.81
.18	.90	.63	.81
	1.09	.76	.76
	1.08	.76	.76
	1.04	.73	.73
.60	.15	.11	.71
.20	.71	.50	.70
.64			.64
.52	.15	.11	.63

PRIVACY ACT MATERIAL REMOVED



PRIVACY ACT MATERIAL REMOVED

<u>FB</u>	<u>Discd</u>	<u>70% Discd</u>	<u>Total</u>
	.86	.60	.60
	.86	.60	.60
.10	.61	.43	.53
.18	.46	.33	.51
	.67	.47	.47
	.62	.43	.43
	.62	.43	.43
	.62	.43	.43
	.60	.42	.42
.30	.15	.11	.41
.40	.01	.01	.41
.24	.24	.17	.41
.36	.01	.01	.37
.23	.15	.11	.34
.30	.01	.01	.31
.24	.09	.06	.30
.16	.18	.13	.29
.10	.29	.18	.28
.13	.15	.11	.24
	.32	.22	.22
.04	.29	.18	.22
.07	.16	.11	.18
.08	.14	.10	.18
	.29	.18	.18
.08	.14	.10	.18
	.24	.17	.17

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...the
...the

Greenhouse" Exposures (Continued)

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<u>FD</u>	<u>Expos</u>	<u>702 Expos</u>	<u>Total</u>
.07	.14	.10	.17
.05	.16	.11	.26
	.21	.15	.25
	.21	.15	.15
.15			.15
	.17	.12	.12
	.18	.12	.12
	.16	.11	.11
	.16	.11	.11
	.16	.11	.11
	.16	.11	.11
.07	.06	.04	.11
.07	.04	.03	.10
	.14	.10	.10
.05	.06	.04	.09
	.12	.08	.03
	.11	.08	.08
	.11	.08	.08
	.10	.07	.07
	.10	.07	.07
	.10	.07	.07
	.10	.07	.07
	.10	.07	.07
	.08	.06	.06
	.09	.06	.06
	.01	.01	.01

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Greenhouse Exposures (Continued)

PRIVACY ACT MATERIAL REMOVED	FB	Expos	72% Exposed	Total
		.01	.01	.01
		.01	.01	.01
		.01	.01	.01
		.01	.01	.01
		.01	.01	.01
		.01	.01	.01
				None
				None
				none
				None
				None
				None
				None
				None
				None
				None

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 5 U.S.C. 552a.

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AmR NOV - 5 1980



DEPARTMENT OF DEFENSE
 ARMED FORCES SPECIAL WEAPONS PROJECT

P. O. BOX 2610
 WASHINGTON, D. C.

ADDRESS REPLY TO:
 THE CHIEF, ARMED FORCES
 SPECIAL WEAPONS PROJECT

25 June 1951

UNCLASSIFIED

Classification changed to _____
 by authority of the U. S. Atomic Energy Commission.

Dr. Thomas N. White
 P. O. Box 1663
 Los Alamos, New Mexico

Per *R. Keala* 12-1-58
 (Form authorizing change in classification) (Date)

Dear Tom:

By *Bertha Grant* 12-2-58
 (Signature of person making the change, and date)

I am inclosing a copy of the report of external radiation received by personnel on Parry Island as a result of fallout after Shot Item. This material will be contained in the Item Shot report compiled by General Cooney.

Similar data is available for the post-Dog Shot in General Cooney's official report of Dog Shot addressed to CTG 3.1. This report should be on file with 3.1 at Los Alamos. I do not have an additional copy but have extracted the pertinent data which is hereby included:

Extract of Annex A to Dog Shot of CTU 3.1.5:

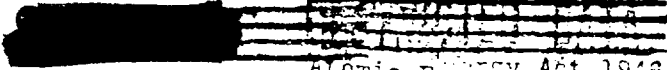
"Decay curves indicated a possible component with a 7.7 hour half-life, followed by a $1/T^{1.2}$ law. Assuming a $1/T^{1.2}$ decay and no loss from leaching the maximum dosage expected can be calculated for future times.

Integrated dose to D / 30 days	2210 mr
D / 60 days	2705 mr

Film badges were given to a group of monitors in Task Unit 3.1.5 with instructions to wear these at all times except when on missions to other islands. These films were developed on D / 3 days and 10 hours.

Parry - mean 890 mr - range 1,400 to 560
 (maximum expected 1,190 mr)
 Japtan - mean 1,040 mr - range 1,600 to 825
 (maximum expected 1310 mr)

The maximum values for Japtan were estimated from survey meter readings which were about 10% greater than those on Parry Island. No comparable data is available from Eniwetok Island but survey meter readings made early in the fallout showed intensities about two-thirds of those on Parry Island.



It is evident that some reduction in the integrated dose was obtained by remaining inside except for essential outdoor activities."

Again let me compliment you on your fine work during Operation GREENHOUSE, and the exceptionally fine document entitled "Greenhouse Fallout".

Sincerely,



G. M. McDonnell
Major, MC
Medical Branch

Incls
GMM/mlj

[REDACTED]

SUBJECT: External Radiation From Fall-Out Following Shot Item

TO: Commander, Task Unit 3.1.5

1. At approximately 1 1/2 hours and 23 minutes gamma ray recorder at RedSafe building, Parry Island showed a sharp rise followed by a drop to nearly the original reading. This "spike" is interpreted as the result of the passage of an active cloud from which little material fall out. Several other "spikes" of activity appeared during the next few minutes and were followed by a steady rise in activity due to fall-out until about 1 1/2 hours 45 minutes. Fallout started again at 1 3/4 hours and continued until 1 13/4 hours 45 minutes. From 1 16 hours the activity decayed according to a $T^{-1.2}$ law.

2. A continuous record of gamma ray intensities have been maintained. The attached curve shows the record connected to $\mu\text{r/hr}$ at an outside location. Starting at 1 12 hours integrated doses out of doors have been determined using pocket ion chambers and photographic film badges. These have been placed at locations representative of conditions on Parry Island.

3. The integrated dose out of doors has been determined by numerical integration of the intensity curve in the early phases and from direct dose measurements in the later phases. The cumulative dose curve is attached.

4. An incomplete but reasonably representative survey of Eniwetok Island indicates that the situation there is almost identical with that on Parry. No data are available from Japten.

5. Assuming that decay continues according to a $T^{-1.2}$ law it is possible to predict total doses for future times. For

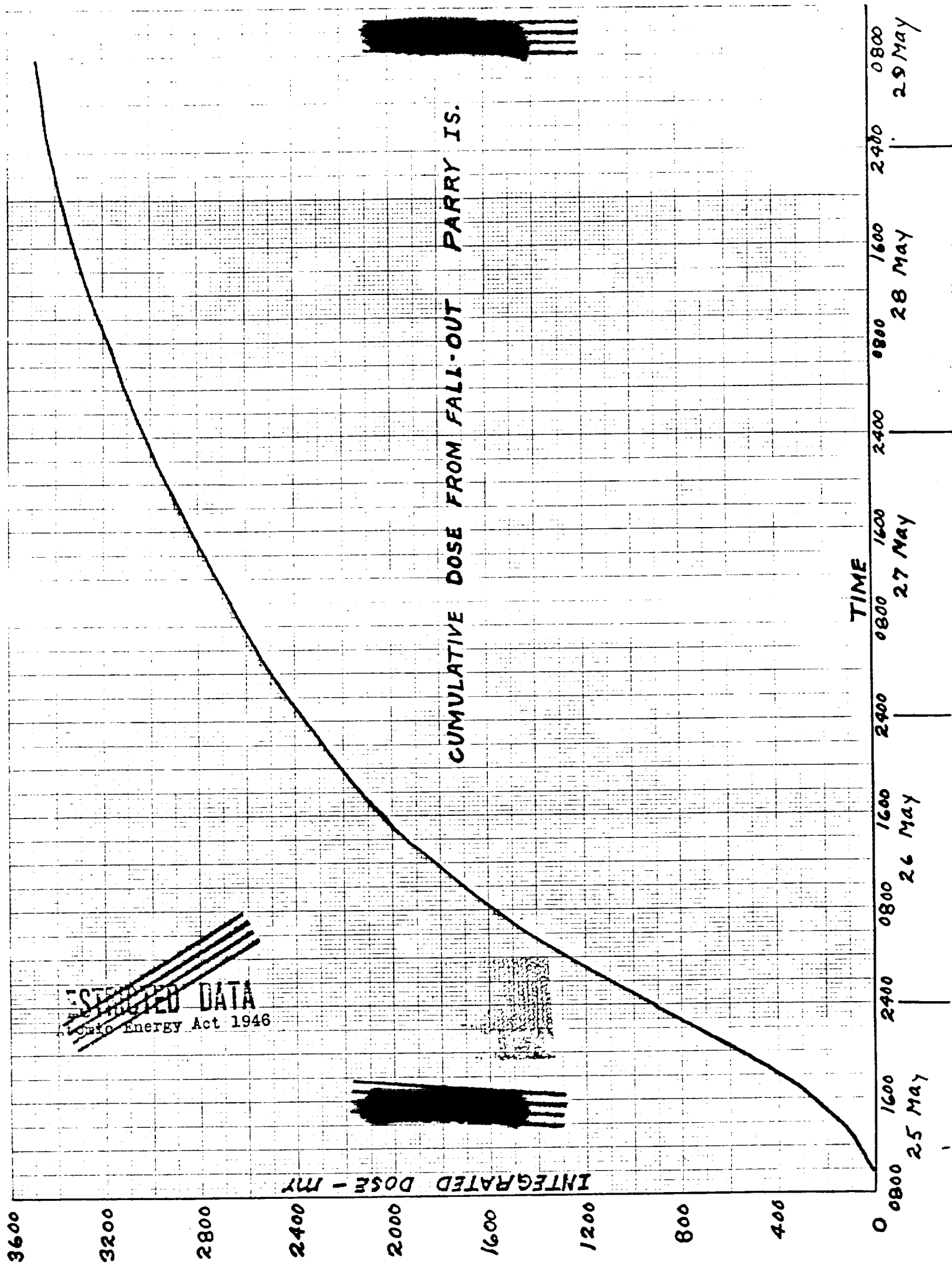
1 1/2 days total expected dose is 7,370 μr
1 3/4 days total expected dose is 9,520 μr

[REDACTED]

Atomic Energy Act 1946

[REDACTED]

Incl #1



MT
1400

1200

1000

800

600

400

200

0600

CUMULATIVE DOSE - PARRY

FIG 4

JAPTAN

PARRY

2400

2400

2400

2400

2400

2400

2400

2400

2400

W. J. MILLER
P. 15
100

15

16

SUBJECT: External Radiation Doses to 28 May 1951

TO: Commander, Task Unit 3.1.5

1. An analysis of all radiation exposures as shown by photographic film badges has been made as of 28 May 1951. The exposure data presented represent only that obtained in various missions connected with the test program.

2. Film badge data from 9,395 individuals shows an average exposure of 510 mr. Excluding 919 individuals showing exposures of 100 mr or less the average is 710 mr.

3. The distribution of the doses received is shown in the attached curve.

4. Data from Task Unit 3.1.5 was not complete at the time of this report and could not be analyzed.

PRIVACY ACT MATERIAL REMOVED

Yr	Mo	Day	Name	Rank	Branch	Count	Location
9-1		1	JTF S	Brig Gen	A	1	
9-2		2	Kirtland AFB	Lt Col	AF	1	
9-3		3	WFO	Captain	N	1	
9-4		4	AMWP DC	Major	A	1	
9-5		5	LASL	Major	A	1	
9-6		6	Head of Dept	Lt	N	2	
9-7		7	Houston	Capt	A	2	
9-8		8	LASL	Capt	A	2	
9-9		9	Keeler AFB	1st Lt	AF	2	
9-10		10	USAF	Capt	AF	1	
9-11		11	USAF	Lt Col	A	1	
9-12		12	Army Med	Lt Col	A	1	
9-13		13	ACC	Capt	AF	2	307 Bomb Wing MacDHL
9-14		14	ACC	Capt	A	2	
9-15		15	CEPLAB	LCdr	N	1	
9-16		16	USMC	Major	USMC	1	
9-17		17	1165 Pilot	Capt	AF	2	307 Bomb Wing MacDHL
9-18		18	WFO	LCdr	N	1	
9-19		19	App. and leto	Capt	USMC	2	
9-20		20	App. and leto	Capt	AF	2	22 Bomb Wing MacDHL
9-21		21	San Diego	Lt	N	2	
9-22		22	San Diego	Lt	N	2	
9-23		23	San Diego	Lt	N	2	
9-24		24	San Diego	Lt	N	2	
9-25		25	San Diego	Lt	N	2	
9-26		26	San Diego	Lt	N	2	
9-27		27	San Diego	Lt	N	2	
9-28		28	San Diego	Lt	N	2	
9-29		29	San Diego	Lt	N	2	
9-30		30	San Diego	Lt	N	2	
9-31		31	San Diego	Lt	N	2	
9-32		32	San Diego	Lt	N	2	
9-33		33	San Diego	Lt	N	2	
9-34		34	San Diego	Lt	N	2	
9-35		35	San Diego	Lt	N	2	
9-36		36	San Diego	Lt	N	2	
9-37		37	San Diego	Lt	N	2	
9-38		38	San Diego	Lt	N	2	
9-39		39	San Diego	Lt	N	2	
9-40		40	San Diego	Lt	N	2	
9-41		41	San Diego	Lt	N	2	
9-42		42	San Diego	Lt	N	2	
9-43		43	San Diego	Lt	N	2	
9-44		44	San Diego	Lt	N	2	
9-45		45	San Diego	Lt	N	2	
9-46		46	San Diego	Lt	N	2	
9-47		47	San Diego	Lt	N	2	
9-48		48	San Diego	Lt	N	2	
9-49		49	San Diego	Lt	N	2	
9-50		50	San Diego	Lt	N	2	
9-51		51	San Diego	Lt	N	2	
9-52		52	San Diego	Lt	N	2	
9-53		53	San Diego	Lt	N	2	
9-54		54	San Diego	Lt	N	2	
9-55		55	San Diego	Lt	N	2	
9-56		56	San Diego	Lt	N	2	
9-57		57	San Diego	Lt	N	2	
9-58		58	San Diego	Lt	N	2	
9-59		59	San Diego	Lt	N	2	
9-60		60	San Diego	Lt	N	2	
9-61		61	San Diego	Lt	N	2	
9-62		62	San Diego	Lt	N	2	
9-63		63	San Diego	Lt	N	2	
9-64		64	San Diego	Lt	N	2	
9-65		65	San Diego	Lt	N	2	
9-66		66	San Diego	Lt	N	2	
9-67		67	San Diego	Lt	N	2	
9-68		68	San Diego	Lt	N	2	
9-69		69	San Diego	Lt	N	2	
9-70		70	San Diego	Lt	N	2	
9-71		71	San Diego	Lt	N	2	
9-72		72	San Diego	Lt	N	2	
9-73		73	San Diego	Lt	N	2	
9-74		74	San Diego	Lt	N	2	
9-75		75	San Diego	Lt	N	2	
9-76		76	San Diego	Lt	N	2	
9-77		77	San Diego	Lt	N	2	
9-78		78	San Diego	Lt	N	2	

PRIVACY ACT MATERIAL REMOVED

VERIFIED UNCLASSIFIED

SEP 27 1979

U. of C.	Gunhouse	Ranger	Total
0	6.42	—	6.42
0	8.21	.08	8.29
0	8.45	1.07	9.52 *
<.01	9.21	3.58	12.79 *
.01	7.28	1.17	8.46
.01	6.57	—	6.58
.01	7.06	.80	7.86
<.01	8.96	—	8.96
.00	6.45	—	6.45
<hr/>			
	8.77	—	8.77
X	8.65	—	8.65

L FTG UTU
 Chesapeake Bay, Norfolk, Va
 OC 3712 BMTS
 Lackland AFB, San Antonio, Tex

Greenhouse memo

PRIVACY ACT MATERIAL REMOVED

USA	Q
USN	Q
USA	Q
USAF	Q
USN	Q
USA	Q
USA	Q
USN	Q
USA	Q
USN	Q
USA	Not Q
USA	Q
USMC	Q
USN	Q
USAF	Not Q
USAF	Q
USAF	Not Q
USAF	Q
USA	Q
USN	Q
USA	Q
USA	Q
USAF	Q
USN	Not Q
USA	not Q
USN	Not Q
USMC	Not Q
USAF	Q
USAF	Q
USAF	Q (Not)
USN	Not Q
USPHS	Q

USA

"Q"

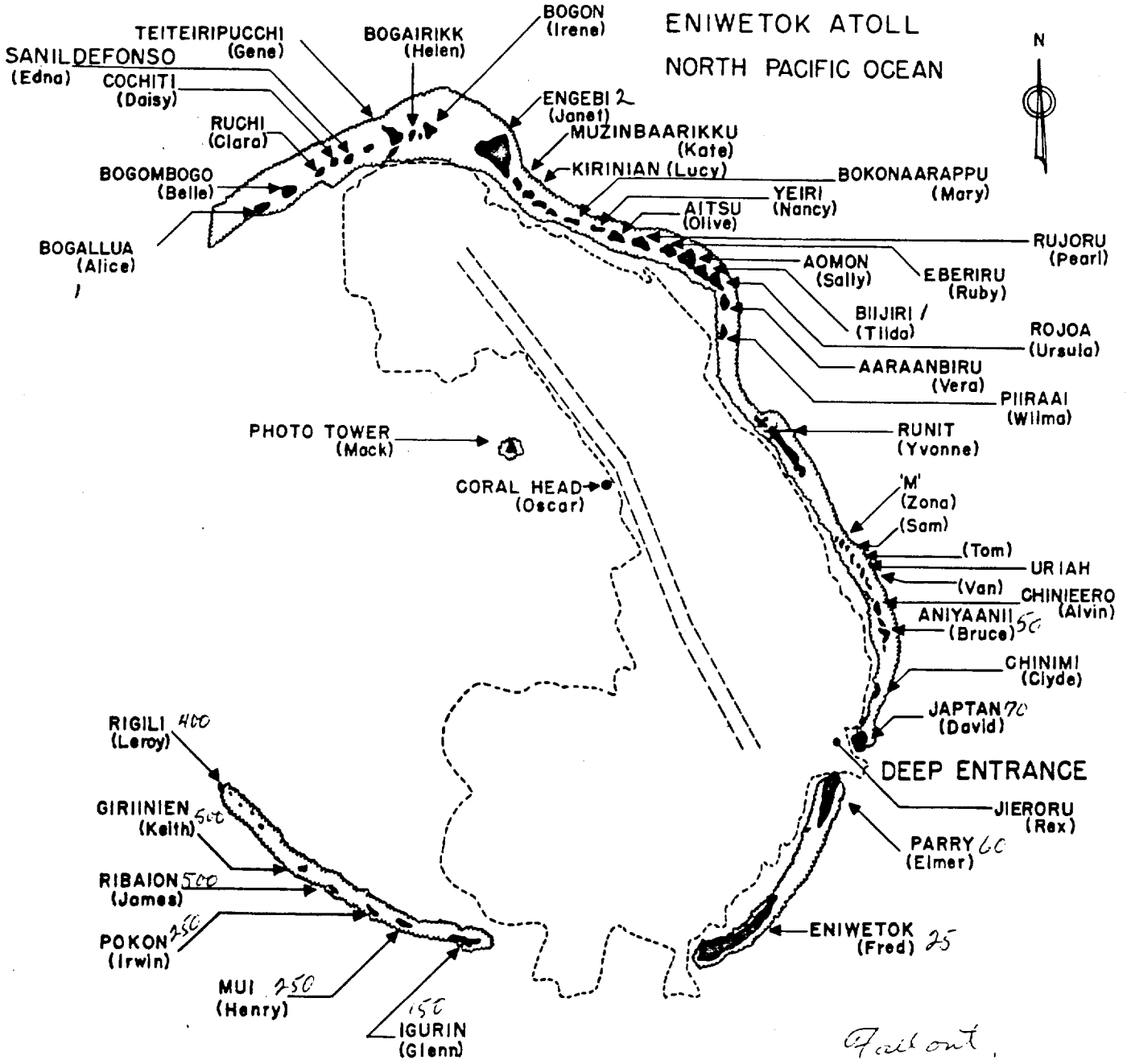
7

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ED

~~CONFIDENTIAL - USE ONLY~~

ENIWETOK ATOLL NORTH PACIFIC OCEAN

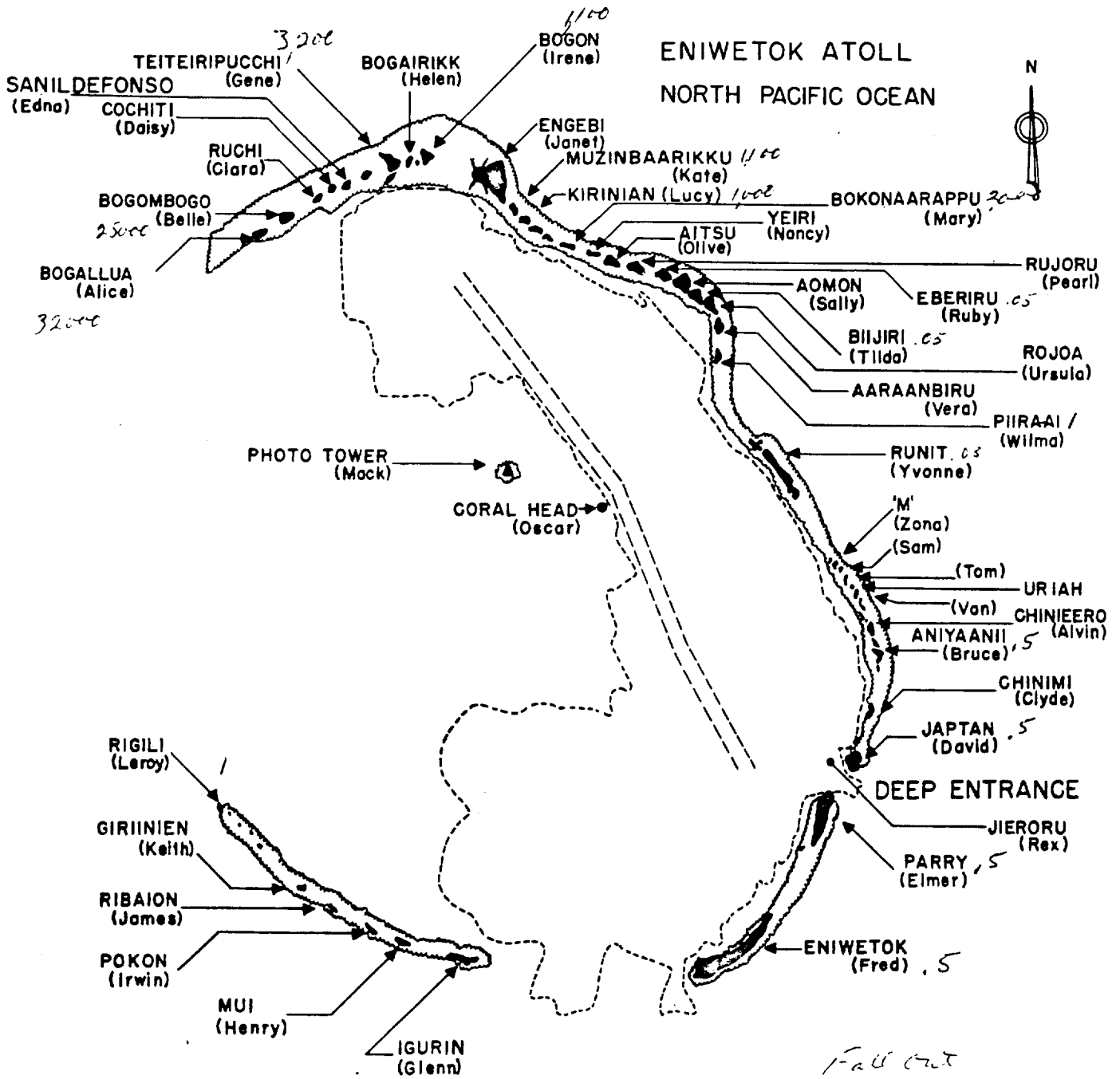


Fail out,

H + 7⁵⁰

*G. H. Day,
4/4/51*

~~CONFIDENTIAL - USE ONLY~~

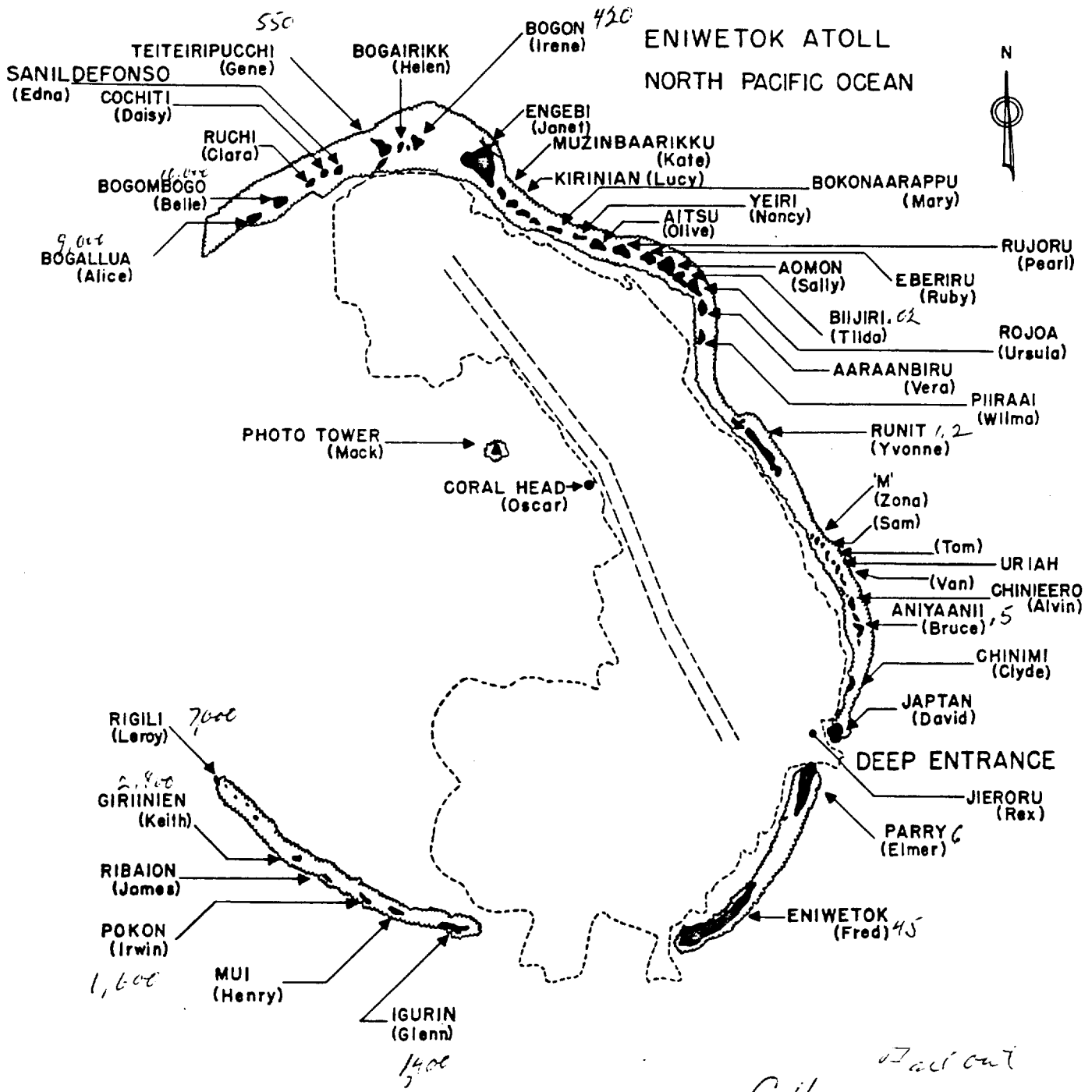


Fall out

GH

F

4/21/51



GH
 Jan 3/25/51
 1000

J - 9023

6 November 1951

Armed Forces Special Weapons Project
Washington, D. C.

Attention: Technical Library

Gentlemen:

In accordance with letter dated 28 September 1951, from Col. George F. Schlatter, Division of Military Application, to Dr. A. C. Graves, Los Alamos Scientific Laboratory, we are forwarding to you under separate cover the two boxes of cards bearing radiological exposure data from GREENHOUSE.

It is our understanding that you are prepared to accept these data for permanent retention.

Very truly yours,

ORIGINAL SIGNED BY LEO G. CHELIUS

Leo G. Chelius
Rad-Safety Group

LOC:jds

cc: Col. G. F. Schlatter
J-Division
Mail & Records
Rad-Safe File ←

12300

920

~~FOR OFFICIAL USE ONLY~~

UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON 25, D. C.

IN REPLY REFER TO:

MATA:RLS

September 28, 1951

Dr. Alvin C. Graves
Los Alamos Scientific Laboratory
Los Alamos, New Mexico

Dear Dr. Graves:

Reference is made to your letter of September 17, 1951 in which you indicated that you have no desire to retain the radiological exposure data from GREENHOUSE on a permanent basis. We have been informed by the Armed Forces Special Weapons Project that they will accept the data for permanent retention at any time you wish to make transmittal. They specified, however, that all the data should be shipped at the same time and to the attention of the Technical Library.

Sincerely yours,

George F. Schlatter
Colonel, USAF
Division of Military Application

OCT 3 1951

FOR OFFICIAL USE ONLY
RECEIVED
7-DIVISION
OCT 1 1951

RECEIVED
OCT 1 1951
FOR OFFICIAL USE ONLY

~~FOR OFFICIAL USE ONLY~~

Telecon Bob Patten, P-1, to J. Shumway

9/25/51

Reference memo prepared by Rad Safe re radiation dosages:

No individuals in the Alpha Measurements Unit for B-J (P-1) have received a dosage greater than that specified in the ref. letter.

None have received any radiation of any consequence in their regular work. (We would have record of their exposures in Monday

Only two members of Unit were at Greenhouse:

and

At Ranger: The above two men, plus

None of the other members of the Unit have participated in any of the test operations.

Drumhouse

Name	Org.	Org. Ldr	Proj.	Proj Ldr	Rostered
T.O. 3.1.2	✓	No Com			
1. Bu Med #1	✓	No Com			
2. Bu Med #1	✓	No Com			PRIVACY ACT MATERIAL REMOVED
3. Bu Med #1	✓	No Com			
4. Bu Med #1	✓	No Com			
5. Bu Med #1	✓	No Com			
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9. Bu Med #1	✓	No Com			
10. Bu Med #1	✓	No Com			
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100. Bu Med #1	✓	No Com			

FTG UTU }
 Chesapeake Bay }
 Norfolk, Va }
 Army Medical Center, 12000 }
 8. 3.1.5 ✓ No Com } Red Safe
 (D) ✓ Jackson, Maryland }
 3.1.5 No Com }
 " 3712 BMTS }
 Lackland AFB } Red Safe
 San Antonio, Texas }
 " ✓ No Com. USAF Sch of Avn Med, Randolph
 " ✓ No Com. War Bu Med & Surg. DC.
 3.1.6 No Com. Ft Aft. 800 Sq 9, NAAS Cecil Field,
 3.1.6 No Com. Documented by Lo Gardner
 3.1.6 No Com. Photocopy



PRIVACY ACT MATERIAL REMOVED

Name	<u>Proj. Org.</u>	<u>Org. Ldr.</u>	<u>Proj.</u>	<u>Proj. Ldr.</u>	<u>Poster Date</u>
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Greenhouse

D-5 U of C.			Hq 10.6	Ogle	7 Oct
D-5 U of C. No commitment					

D-5 U of C.			10.10	Zadina	27 Oct 30 Nov
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1.1 NRL ✓ No Com					
1.1 NRL ✓ No Com					

1.5.1 U of C.			Hq 10.0	Ogle	7 Oct 3 Dec
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1.1.5.1 U of C.			10.8	Clyde Couran	- 7 days to sh
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1.5.1 U of C.			"	"	"
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1.5.1 Departed U of C.					
1.5.1 Not Committed					

5.1 U of C.			10.8	Same as Biggs	
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1.5.1 U of C.			10.8	Same as Biggs	
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1.5.1 U of C.			10.8	Same as Biggs	
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1.5.3 NRL ✓ No Com					
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1.5.3 NRL ✓ No Com					
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1.5.3 NRL ✓ No Com					
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1.5.3 NRL ✓ No Com					
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1.7 U of C. No Commitment					
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1.7 U of C. No Commitment					
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1.7 U of C.			10.4	Spence	(11 Oct - 4 Nov)
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1.7 Not Going					
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3.1.2 Not Going					
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✓ Naval Med. Inst.					
No Com					

Naval Med. Res. Inst.					
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No Com					
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PRIVACY ACT MATERIAL REMOVED

TO TASK GROUP 5.1

UT
Name

68
Film Budget

PRIVACY ACT MATERIAL REMOVED

Fall-out

Total

~~Name~~ Name

F. B. Residence

~~Budget~~

70% ~~Budget~~

Total

1.60	4/1 to 4/27	1.82	1.27	2.87
.27	4/2 to 4/29	1.90	1.33	1.60
—	2/13 to 5/27	4.84	3.39	3.39
—	1/22 to 5/31	5.70	3.99	3.99
—	2/27 to 5/27	4.84	3.39	3.39
—	3/9 to 5/23	2.22	1.55	1.55
—	3/9 to 5/14	2.22	1.55	1.55
—	2/23 to 5/29	5.70	3.99	3.99
—	3/6 to 5/27	4.84	3.39	3.39
—	1/12 to 1/26	5.70	3.99	3.99
—	3/2 to 5/29	5.70	3.99	3.99
—	3/25 to 6/11	5.70	3.99	3.99
1.32	1/9 to 2/3	5.70	3.99	5.31
—	3/4 to 5/29	5.70	3.99	4.99
.62	2/17 to 6/4	5.70	3.99	4.61
2.06	2/12 to 5/31	5.70	3.99	6.05
—	1/30 to 5/5	2.10	1.47	1.47
—	2/12 to 6/4	5.70	3.99	3.99
.86	2/17 to 6/4	5.70	3.99	4.85
.17	2/12 to 5/31	5.70	3.99	4.16
—	2/27 to 6/4	5.70	3.99	3.99
0	2/27 to 6/4	5.70	3.99	3.99
.82	2/17 to 6/4	5.70	3.99	4.81
—	2/12 to 5/31	5.70	3.99	3.99
—	2/17 to 6/6	5.70	3.99	3.99
—	2/12 to 5/31	5.70	3.99	3.99

<u>Name</u>	<u>Film - base</u>	PRIVACY ACT MATERIAL REMOVED	<u>Fall-out</u>	<u>Total</u>	
Name	F.B	Readiness	Blgd	70% Blgd	Total
2.63		2/17 to 2/20 3/31 to 5/31	5.70	3.99	6.62
.69		2/17 to 5/31	5.70	3.99	4.68
.23		2/12 to 5/22	2.22	1.55	1.78
0		2/12 to 5/28	3.20	2.24	2.24
1.14		3/22 to 6/4	5.70	3.99	5.13
.55		2/17 to 4/29	1.90	1.33	1.88
.49		2/17 to 5/28	3.20	2.24	2.73
1.33		1/29 to 5/1	1.98	1.39	2.72
1.71		2/17 to 6/4	5.70	3.99	5.70
.82		1/29 to 5/28	3.20	2.24	3.05
.15		3/22 to 4/30	1.94	1.36	1.51
1.76		2/17 to 5/28	3.20	2.24	4.00
.98		2/12 to 6/4	5.70	3.99	4.97
—		2/17 to 6/4	5.70	3.99	3.99
.72		2/17 to 6/4	5.70	3.99	4.71
—		2/28 to 6/4	5.70	3.99	3.99
.13		2/17 to 5/22	2.22	1.55	1.68
.28		2/17 to 5/28	3.20	2.24	2.52
—		3/29 to 5/10	2.20	1.54	1.54
0		2/12 to 5/10	2.20	1.54	1.54
.08		1/30 to 4/30	1.94	1.36	1.44
.31		2/17 to 5/31	5.70	3.99	4.30
1.09		2/12 to 5/31	5.70	3.99	5.00
.80		2/17 to 6/4	5.70	3.99	4.7

Name
Name

Film-badge	Residence	PRIVACY ACT MATERIAL REMOVED Bkgd	Full-out 70% Bkgd	Total
1.64	2/17 to 6/4	5.70	3.99	5.63
.56	2/12 to 5/31	5.70	3.99	4.55
—	3/3 to 5/17	2.22	1.55	1.55
.36	3/4 to 6/6	5.70	3.99	4.35
5.15	2/28 to 5/24	2.22	1.55	6.70
.52	1/30 to 5/12	2.22	1.55	2.07
—	3/31 to 5/27	4.82	3.37	3.37
.71	2/5 to 5/22	2.22	1.55	2.26
.15	3/11 to 5/22	2.22	1.55	1.70
1.32	3/5 to 5/30	5.70	3.99	5.31
0	1/30 to 4/18	1.46	1.02	1.02
2.66	3/15 to 4/14	1.29	.90	3.56
.62	3/1 to 5/16	2.22	1.55	2.17
—	2/24 to 5/8	2.17	1.52	1.52
—	2/14 to 6/4	5.70	3.99	3.99
1.80	3/6 to 5/14	2.22	1.55	3.35
.44	1/30 to 5/13	2.22	1.55	1.99
2.77	2/14 to 5/13	2.22	1.55	4.32
.27	3/1 to 5/14	2.22	1.55	1.82
—	3/7 to 5/30	5.70	3.99	3.99
2.21	3/11 to 5/19	2.22	1.55	3.76
.88	2/13 to 5/14	2.22	1.55	2.43
1.17	3/1 to 5/17	2.22	1.55	2.7
.08	2/24 to 5/17	2.22	1.55	1.6

<u>Name</u>	<u>Film-badge</u>	<u>Residence</u>	<u>Badge</u>	<u>Fall-out</u>	<u>Total</u>
Name	F. B.	Residence	Badge	70% Badge	Total
	2.38	4/24 to 5/13	.54	.38	2.76
	0	3/1 to 5/19	2.22	1.55	1.55
	.79	3/11 to 5/24	2.22	1.55	2.34
	.37	3/12 to 5/26	3.82	2.67	3.04
	1.32	3/31 to 5/12	2.22	1.55	2.87
	.84	3/1 to 5/17	2.22	1.55	2.39
	1.25	3/5 to 5/30	5.70	3.99	5.24
	2.54	3/1 to 5/29	5.70	3.99	6.53
	.22	1/30 to 5/8	2.17	1.52	1.74
	—	3/14 to 5/30	5.70	3.99	3.99
	—	4/6 to 4/14	1.29	.90	.90
	—	1/6 to 4/18	1.46	1.02	1.02
	.98	2/23 to 5/14	2.22	1.55	2.53
	.66	2/24 to 5/21	2.22	1.55	2.21
	—	3/11 to 5/29	5.70	3.99	3.99
	1.10	3/12 to 5/30	5.70	3.99	5.09
	2.40	2/13 to 5/18	2.22	1.55	6.43 3.95
	4.88	3/12 to 5/30	5.70	3.99	8.87
	—	3/5 to 5/8	2.17	1.52	1.52
	.27	3/6 to 5/24	2.22	1.55	1.82
	.46	2/24 to 5/14	2.22	1.55	2.01
	2.18	3/7 to 5/29	5.70	3.99	6.17
	2.45	2/24 to 5/29	5.70	3.99	6.44
	1.00	2/14 to 5/14	2.22	1.55	2.50

<u>Name</u>	<u>Film-badge</u>	PRIVACY ACT MATERIAL REMOVED	<u>Fall-out</u>	<u>Total</u>
<u>Name</u>	F.B.	Residence	Bad 70% Bad	Total
1.62	3/12 to 5/30	5.70	3.99	5.61
1.16	2/20 to 5/16	2.22	1.55	2.71
1.82	3/17 to 5/29	5.70	3.99	5.81
.52	3/11 to 5/29	5.70	3.99	4.51
.80	3/11 to 5/21	2.22	1.55	2.35
1.17	2/24 to 5/18	2.22	1.55	2.72
1.01	3/5 to 5/30	5.70	3.99	5.00
.83	3/1 to 5/22	2.22	1.55	2.38
—	2/25 to 5/6	2.13	1.49	1.49
—	3/1 to 5/23	2.22	1.55	1.55
.45	3/19 to 5/22	2.22	1.55	2.00
.78	2/14 to 5/15	2.22	1.55	2.33
.09	1/30 to 4/28	1.86	1.30	1.39
—	2/5 to 5/16	2.22	1.55	1.55
—	2/14 to 5/5	2.10	1.47	1.47
—	2/5 to 5/5	2.10	1.47	1.47
.94	3/15 to 5/15	2.22	1.55	2.49
—	1/6 to 4/23	1.63	1.14	1.14
.86	3/9 to 5/24	2.22	1.55	2.41
.05	3/9 to 5/7	2.15	1.51	1.56
.23	3/9 to 5/24	2.22	1.55	1.78
0	3/9 to 4/27	1.82	1.27	1.27
—	3/9 to 5/8	2.17	1.52	1.52
0	3/9 to 5/7	2.15	1.51	1.5

PRIVACY ACT MATERIAL REMOVED

<u>Name</u>	<u>Film - badge</u>	<u>Residence</u>	<u>Badge</u>	<u>Fall-out</u>	<u>Total</u>
<u>Name</u>	F.B.	Residence	Badge	70% Badge	Total
	1.53	3/9 to 5/10	2.20	1.54	3.07
	.21	2/1 to 4/26	1.78	1.25	1.46
	—	3/9 to 5/19	2.22	1.55	1.55
	1.44	3/9 to 5/10	2.20	1.54	2.98
	—	3/9 to 5/7	2.15	1.51	1.51
	2.64	2/2 to 4/27	1.82	1.27	3.91
	2.81	3/9 to 5/7	2.15	1.51	4.32
	0	3/9 to 5/19	2.22	1.55	1.55
	.24	3/9 to 5/13	2.22	1.55	1.79
	.42	3/9 to 5/4	2.08	1.46	1.88
	.12	3/9 to 5/4	2.08	1.46	1.58
	.23	3/9 to 5/24	2.22	1.55	1.78
	—	3/9 to 5/17	2.22	1.55	1.55
	.38	3/9 to 5/17	2.22	1.55	1.93
	.33	3/9 to 5/24	2.22	1.55	1.88
	.22	3/9 to 5/17	2.22	1.55	1.77
	.05	3/9 to 5/17	2.22	1.55	1.60
	.48	2/1 to 5/17	2.22	1.55	2.03
	3.09	3/9 to 5/24	2.22	1.55	4.64
	2.78	3/9 to 5/24	2.22	1.55	4.33
	0	2/1 to 5/17	2.22	1.55	1.55
	—	3/9 to 4/26	1.78	1.25	1.25
	—	3/8 to 4/26	1.78	1.25	1.25
	—	3/8 to 4/26	1.78	1.25	1.25

<u>Name</u>	<u>Film - badge</u>	PRIVACY ACT MATERIAL REMOVED	<u>Fall-out</u>	<u>Total</u>	
<u>Name</u>	F.B.	Residence	Badge	70% Badge	<u>Total</u>
	.30	3/8 to 4/26	1.78	1.25	1.55
	—	3/16 to 4/12	1.08	.76	.76
	0	3/9 to 4/21	1.55	1.09	1.09
	.21	3/9 to 4/27	1.82	1.27	1.48
	2.19	3/4 to 5/25	2.22	1.55	3.74
	1.86	2/10 to 5/20	2.22	1.55	3.41
	.24	3/10 to 5/13	2.22	1.55	1.79
	2.19	2/26 to 5/20	2.22	1.55	3.74
	.67	4/5 to 5/28	5.42	3.79	4.46
	—	4/13 to 4/23	.44	.31	.31
	.13	4/3 to 5/27	4.84	3.39	3.52
	1.30	3/20 to 5/13	2.22	1.55	2.85
	2.18	1/15 to 6/7	5.70	3.99	6.17
	—	3/19 to 5/29	5.70	3.99	3.99
	—	4/19 to 5/2	.73	.51	.51
	2.00	3/12 to 5/13	2.22	1.55	3.55
	1.80	3/14 to 5/29	5.70	3.99	5.79
	5.19	1/31 to 5/29	5.70	3.99	9.18
	.09	3/23 to 5/27	4.84	3.39	3.48
	1.83	2/14 to 5/21	2.22	1.55	3.38
	.74	3/12 to 5/22	2.22	1.55	2.29
	1.82	3/9 to 5/13	2.22	1.55	3.37
	.17	4/19 to 6/2	4.21	2.95	3.12
	1.38	4/13 to 5/11	2.22	1.55	2.9

Name

Film-badge

PRIVACY ACT MATERIAL REMOVED

Fall-out

Total

Name

F. B.	Residence	13 Bad	70% Bad	Total
—	3/14 to 5/29	5.70	3.99	3.99
1.22	10/19 to 5/14	2.22	1.55	2.77
.22	3/14 to 5/29	5.70	3.99	4.21
.29	3/12 to 5/13	2.22	1.55	1.84
4.17	2/14 to 5/28	5.42	3.79	7.96
.28	3/1 to 5/19	2.22	1.55	1.83
.38	3/1 to 6/5	5.70	3.99	4.37
2.32	3/1 to 5/29	5.70	3.99	6.31
.36	3/1 to 5/29	5.70	3.99	4.35
1.04	3/1 to 5/29	5.70	3.99	5.03
.07	3/1 to 6/5	5.70	3.99	4.06
.52	3/1 to 6/5	5.70	3.99	4.51
—	3/1 to 5/19	2.22	1.55	1.55
—	3/1 to 6/5	5.70	3.99	3.99
.17	3/1 to 5/19	2.22	1.55	1.72
.45	3/1 to 5/19	2.22	1.55	2.00
1.06	3/1 to 5/29	5.70	3.99	5.05
1.05	3/1 to 5/29	5.70	3.99	5.04
1.12	3/1 to 5/29	5.70	3.99	5.11
2.37	3/1 to 5/29	5.70	3.99	6.36
3.95	3/1 to 5/29	5.70	3.99	7.94
.96	3/1 to 5/29	5.70	3.99	4.99
—	3/1 to 5/29	5.70	3.99	3.99

PRIVACY ACT MATERIAL REMOVED

Name

Film badge

PRIVACY ACT MATERIAL REMOVED

Fall-out

Total

Name

F. B.

Residence

~~Bkgd~~

70% ~~Bkgd~~

Total

.36	3/1 to 6/5	5.70	3.99	4.35
4.06	3/1 to 5/29	5.70	3.99	8.05
—	3/1 to 5/29	5.70	3.99	3.99
4.43	3/1 to 5/29	5.70	3.99	8.42
2.72	3/1 to 5/29	5.70	3.99	6.71
.26	3/1 to 5/29	5.70	3.99	4.25
1.74	3/1 to 5/29	5.70	3.99	5.73
.05	3/1 to 5/29	5.70	3.99	4.04
.53	3/1 to 6/6	5.70	3.99	4.52
.09	3/1 to 5/29	5.70	3.99	4.08
—	3/1 to 5/29	5.70	3.99	3.99
.66	3/1 to 5/29			
1.39	3/1 to 5/19			
1.40	3/1 to 5/29			
1.77	3/12 to 5/13			
—	3/1 to 5/29			
1.24	3/1 to 5/29			
.03	3/1 to 4/28			
.25	3/1 to 5/29			
.52	3/1 to 5/29			
.77	3/1 to 6/5			
.75	3/1 to 6/5			
1.93				

PRIVACY ACT MATERIAL REMOVED

<u>Name</u>	<u>Film badge</u>	PRIVACY ACT MATERIAL REMOVED	<u>Fall-out</u>	<u>Total</u>
<u>Name</u>	F. B.	Residence	Read	70% Read total
—	—	3/1 to 5/14	2.22	1.55
.19	—	3/13 to 5/12	2.22	1.55
.71	—	3/13 to 5/6	2.13	1.49
.98	—	3/4 to 5/6	2.13	1.49
2.03	—	4/12 to 5/29	4.70	3.29
.10	—	1/22 to 5/2	2.01	1.41
.37	—	1/22 to 5/2	2.01	1.41
0	—	12/3 to 5/2	2.01	1.41
—	—	2/12 to 5/3	2.05	1.44
0	—	1/22 to 5/2	2.01	1.41
.23	—	1/22 to 5/3	2.05	1.44
.12	—	12/3 to 5/2	2.01	1.41
0	—	2/12 to 5/3	2.05	1.44
—	—	1/22 to 4/29	1.90	1.33
.16	—	12/3 to 5/2	2.01	1.41
.25	—	1/22 to 5/3	2.05	1.44
.05	—	12/3 to 4/29	1.90	1.33
.99	—	2/28 to 5/19	2.22	1.55
1.17	—	3/13 to 5/14	2.22	1.55
.40	—	3/13 to 5/14	2.22	1.55
1.02	—	3/13 to 5/14	2.22	1.55
2.41	—	3/13 to 5/14	2.22	1.55
.65	—	3/13 to 5/14	2.22	1.55

<u>Name</u>	<u>Film badge</u>		<u>Fall-out</u>	<u>Total</u>	
<u>Name</u>	F.B.	Residence	Bad 70% Bad	<u>Total</u>	
	.38	3/13 to 5/14	2.20	1.55	1.93
	-	3/13 to 5/14	2.20	1.55	1.55
	1.63	3/13 to 5/14	2.20	1.55	3.18
	1.52	3/13 to 5/14	2.20	1.55	3.07
	1.34	3/13 to 5/14	2.20	1.55	2.84
	.46	3/13 to 4/26	1.78	1.25	1.71
	.189	3/13 to 4/26	1.78	1.25	2.14
	1.11	3/26 to 5/16	2.22	1.55	2.66
	1.51	4/2 to 4/25	1.73	1.21	2.72
	.74	2/12 to 4/27	1.82 1.82	1.27	2.01
	3.20	3/9 to 5/16	2.22	1.55	3.75
	1.94	2/27 to 5/13	2.22	1.55	3.49
	5.64	2/27 to 5/29	5.70	3.99	9.63
	3.35	3/12 to 5/16	2.22	1.55	4.90
	.56	3/9 to 5/13	2.22	1.55	2.11
	.37	3/2 to 5/31	5.70	3.99	4.36
	4.78	2/27 to 5/31	5.70	3.99	8.77
	1.01	3/9 to 5/13	2.22	1.55	2.56
	.06	3/9 to 5/29	5.70	3.99	4.05
	3.81	2/27 to 5/16	2.22	1.55	5.36
	2.71	3/9 to 5/6	2.13	1.49	4.20
	3.27	2/27 to 5/13	2.22	1.55	5.82 4.82
	1.48	3/9 to 5/13	2.22	1.55	3.03

PRIVACY ACT MATERIAL REMOVED

Name

Film badge

Fall-out

Total

Name

F. B.

Residence

~~100%~~

70% ~~100%~~

Total

.38

3/9 to 5/29

5.70

3.99

4.37

3.04

2/27 to 5/13

2.22

1.55

4.59

3.80

3/9 to 6/2

5.70

3.99

7.79

.52

3/9 to 5/29

5.70

3.99

4.51

3.24

3/12 to 5/27

5.70

3.99

7.23

.18

3/2 to 5/27

5.70

3.99

4.17

.36

4/7 to 5/27

5.70

3.99

4.35

PRIVACY ACT MATERIAL REMOVED

ACT MATERIAL REMOVED

Name	Filing Date (R)	Fallout (R)	Total (R)
	.56	.95	1.51
	.75	1.09	1.84
	1.03	1.55	2.58
	.49	1.06	1.55
	.32	1.30	1.62
	.35	1.53	1.88
<i>No travel performed</i>			
	.73	1.15	1.88
	.61	1.21	1.82
	.51	.43	.94
	.93	1.55	2.48
	.32	1.55	1.87
	.30	1.25	1.55
	1.18	1.55	2.73
	.54	.64	1.18
	1.47	1.55	3.02
	—	.41	.41
<i>No travel performed</i>			
	.30	1.55	1.85
	0	.38	.38
	1.24	1.55	2.79
	.51	—	.51
	—	1.53	1.53
	.34	1.33	1.67
	.72	.95	1.67
	.69	1.55	2.24
	.28	.38	.66
	.26	1.30	1.56
	—	1.53	1.53
	.91	1.55	2.46
	1.00	1.55	2.55
	1.32	1.55	2.87
	.52	.45	.97
	.90	1.55	2.45
	1.12	1.30	2.42

Name

Film Badge (r)

Fall-out (r)

Total (r)

1.40

3.99

5.39

1.77

1.55

3.32

3.99

3.99

1.24

3.99

5.23

.03

1.30

1.33

.25

3.99

4.24

.52

3.99

4.51

.77

3.99

4.76

.75

3.99

4.74

1.93

1.36

3.29

.31

3.99

4.30

.11

3.99

4.10

3.99

3.99

1.48

3.99

5.47

.37

.61

.98

.46

3.99

4.45

1.55

1.55

PRIVACY.

Name	F.B.	Residence	Bkgd	70% Bkgd	Total
—	3/11 to 5/29	5.70	3.99	3.99	3.99
C. 1.10	3/12 to 5/30	5.70	3.99	3.99	5.09
2.40	2/13 to 5/18	2.22	1.55	1.55	3.95
4.88	3/12 to 5/30	5.70	3.99	3.99	8.87
—	3/5 to 5/8	2.17	1.52	1.52	1.52
.27	3/6 to 5/24	2.22	1.55	1.55	1.82
.46	2/24 to 5/14	2.22	1.55	1.55	2.01
2.18	3/7 to 5/29	5.70	3.99	3.99	6.17
2.45	2/24 to 5/29	5.70	3.99	3.99	6.44
1.00	2/14 to 5/14	2.22	1.55	1.55	2.55
1.62	3/12 to 5/30	5.70	3.99	3.99	5.61
1.16	2/20 to 5/16	2.22	1.55	1.55	2.71
1.82	3/17 to 5/29	5.70	3.99	3.99	5.81
.52	3/11 to 5/29	5.70	3.99	3.99	4.51
.80	3/11 to 5/21	2.22	1.55	1.55	2.35
.17	2/24 to 5/18	2.22	1.55	1.55	2.72
.01	3/5 to 5/30	5.70	3.99	3.99	5.00
83	3/1 to 5/22	2.22	1.55	1.55	2.38
—	2/25 to 5/6	2.13	1.49	1.49	1.49
—	3/1 to 5/23	2.22	1.55	1.55	1.55
45	3/19 to 5/22	2.22	1.55	1.55	2.00
.78	2/14 to 5/15	2.22	1.55	1.55	2.33
—					
—	1/20 to 4/28	1.86	1.30	1.30	1.39
—	2/12 to 5/31	5.70	3.99	3.99	3.99
2.63	2/17 to 2/20 2/21 to 5/31	5.70	3.99	3.99	6.62
.23	2/12 to 5/22	2.22	1.55	1.55	1.78
—	2/5 to 5/16	2.22	1.55	1.55	1.55
1.09	2/12 to 5/31	5.70	3.99	3.99	5.08
.56	2/12 to 5/31	5.70	3.99	3.99	4.55

PRIVACY ACT MATERIAL REMOVED

N R L

Name	F. B.	Residence	Bkgsd	10% Bkgsd	Total
	.52	1/30 to 5/12	2.21	1.55	2.07
	—	2/31 to 5/27	4.82	3.37	3.37
	.71	2/5 to 5/22	2.22	1.55	2.26
	.15	3/11 to 5/22	2.22	1.55	1.70
	.32	3/5 to 5/30	5.70	3.99	5.31
	0	1/30 to 4/18	1.46	1.02	1.02
	—	2/23 to 5/8	2.17	1.52	1.52
	—				
	2.66	3/15 to 4/14	1.27	.90	3.56
	.62	3/1 to 5/16	2.22	1.55	2.17
	—	2/24 to 5/8	2.17	1.52	1.52
	—	2/14 to 6/4	5.70	3.99	3.99
	1.80	3/6 to 5/14	2.22	1.55	3.35
	.44	1/30 to 5/13	2.22	1.55	1.99
	2.77	2/14 to 5/13	2.22	1.55	4.32
	.27	3/1 to 5/14	2.22	1.55	1.82
	—	3/7 to 5/30	5.70	3.99	3.99
	2.21	3/11 to 5/19	2.22	1.55	3.76
	.88	2/13 to 5/14	2.22	1.55	2.43
	1.17	3/1 to 5/17	2.22	1.55	2.72
	.08	2/24 to 5/17	2.22	1.55	1.63
	2.38	4/24 to 5/13	2.22 ^{.51}	1.55 ^{.34}	2.74 ^{2.74}
	0	3/1 to 5/19	2.22	1.55	1.55
	.79	3/11 to 5/24	2.22	1.55	2.34
	.37	3/12 to 5/26	3.80	2.66	3.03
	1.32	3/21 to 5/12	2.22	1.55	3.87
	.84	3/1 to 5/17	2.22	1.55	2.39
	1.25	3/5 to 5/30	5.70	3.99	5.24
	2.54	3/1 to 5/29	5.70	3.99	6.53
	.22	1/30 to 5/8	2.17	1.52	1.74
	—	3/14 to 5/30	5.70	3.99	3.99
	—	4/6 to 4/14	.90	.63	.63
J. —	—	1/6 to 4/8	—	—	—
	.98	2/23 to 5/14	2.22	1.55	2.53
	.66	2/24 to 5/21	2.22	1.55	2.21

PRIVACY ACT MATERIAL REMOVED

Name	F.B.	Residence	Bkgd	70% Bkgd	Total
		2/14 to 5/5	2.10	1.47	1.47
		2/5 to 5/5	2.10	1.47	1.47
		3/15 to 5/15	2.22	1.55	2.49
		1/6 to 4/23	1.64	1.15	1.15

PRIVACY ACT MATERIAL REMOVED

Name

F. B.	Residence	Bkgd	70% Bkgd	Total
.56	3/19 to 4/15	1.35	.95	1.51
.75	3/12 to 4/21	1.55	1.09	1.84
1.03	3/12 to 5/13	2.22	1.55	2.58
.49	4/9 to 4/26	1.51	1.06	1.51
.32	3/21 to 4/28	1.86	1.30	1.62
.35	3/4 to 5/9	2.19	1.53	1.88
NTP				
.73	3/4 to 4/23	1.64	1.15	1.88
.61	3/26 to 4/25	1.73	1.21	1.82
.51	3/4 to 4/10	.62	.43	.94
.93	3/12 to 5/13	2.22	1.55	2.48
.22	4/10 to 5/11	2.21	1.55	1.87
.30	4/1 to 4/26	1.78	1.25	1.55
1.18	2/14 to 5/16	2.22	1.55	2.73
.54	4/14 to 5/16	.92	.64	1.18
1.47	3/14 to 5/16	2.22	1.55	3.02
	4/23 to 5/14	.59	.41	.41
.30	3/20 to 4/25	2.22	1.55	1.85
.0	4/24 to 5/16	.54	.38	.38
1.24	3/12 to 5/14	2.22	1.55	2.79
.51	3/12 to 4/8	—	—	.51
—	4/2 to 5/9	2.19	1.53	1.53
.34	3/21 to 4/29	1.90	1.33	1.67
.72	3/16 to 4/15	2.22	1.55	1.87
.69	3/12 to 5/16	2.22	1.55	2.24
.28	4/24 to 5/16	.54	.38	.66
.26	3/21 to 4/28	1.86	1.30	1.56
—	3/26 to 5/9	2.19	1.53	1.53
.91	3/12 to 5/13	2.22	1.55	2.46
1.00	4/4 to 5/16	2.22	1.55	2.55
1.32	3/12 to 5/14	2.22	1.55	2.87
.52	3/16 to 4/10	.62	.43	.95
.70	3/4 to 5/14	2.22	1.55	2.25
1.12	3/12 to 4/28	1.86	1.30	2.42

ITU 3.1.5

4.02 on F.B. ~~no data~~
3.22 on F.A. Total 7.

Greenhouse Ranger 2
F.B. F.A. Total

3.75	2.95	6.70	1.80	8.
6.08	3.99	10.05	—	10.05
4.55	3.99	8.54	—	8.54
4.63	3.36	7.99	—	7.99
3.74	3.36	7.10	—	7.10
2.89	3.99	6.88	—	6.88
5.32	3.99	9.31	—	9.31
2.03	3.99	6.02	—	6.02
2.88	3.99	6.87	—	6.87
5.64	3.99	9.63	—	9.63
4.50	3.21	7.71	—	7.71
7.57	1.55	9.12	—	9.12
4.78	3.99	8.77	—	8.77
5.91	3.99	9.90	—	9.90
6.50	3.99	10.49	—	10.49
3.75	3.99	7.74	—	7.74
4.66	3.99	8.65	—	8.65
5.50	1.55	7.05	—	7.05
4.11	3.99	8.10	—	8.10

1.7
Brunhouse Ranger
F.B. F.A. Total

2.38 3.99 6.37 — 6.
3.79 3.99 7.78 .19 7.
4.90 1.55 6.45 — 6.
4.24 3.99 8.23 — 8.2

TU 3.1.2

5.44 3.99 9.43 — 9.4
2.18 3.99 6.17 — 6.17
5.19 3.99 9.18 — 9.18
4.17 3.78 7.95 — 7.95

Bu Med Unit #1

2.32 3.99 6.31 — 6.31
2.37 3.99 6.36 — 6.36
3.95 3.99 7.94 — 7.94
4.06 3.99 8.05 — 8.05
4.43 3.99 8.42 — 8.42
2.72 3.99 6.71

6.9

2.22 3.99 6.21 — 6.21

TU 3.1.5 (cont.)

Brenhouse Ranger 2
F.B. F.A. 2nd

6.12 3.99 10.11 — 10.

? 3.80 3.99 7.79 — 7.

4.49 3.99 8.48 — 8.

4.44 3.99 8.43 0 8.

TU 3.1.6

9. 3.24 3.36 6.60 — 6.

2.15 3.99 6.14 .45 6.

EXPOSURES RECORDED ON GREENHOUSE MONITORS

E	FILM BADGE READING	DEPARTED ATOLL	EXPOSURE DUE TO BACKGROUND	BACKGROUND EXPOSURE X 70%	TOTAL EXPOSURES
	2550	25 May	2350	1615	4195
	2700	13 May	2200	1540	4240
	3035	13 May	2200	1540	4575
	3043	13 May	2200	1540	4583
	3270	13 May	2200	1540	4810
	4660	4 June	5630	3940	8600
	4775	31 May	5620	3940	8715
	5448	7 June	5630	3940	9388
	7570	13 May	2200	1540	9110

* For Monitors leaving on 1st June or later - a dosage of 400 mr was allowed for Item Shot fallout. This is a close approximation as shown from badges that were worn from 12 May to 4 June and then developed. Records show that heavy rains around 1 June - decreased the background considerably.

D-5

Brunhouse Range Tot

F.B. F.A. Total

1.43	3.99	6.42	—	6.42
2.26	3.78	6.04	—	6.04
4.22	3.99	8.21	.08	8.29

1.1

2.06	3.99	6.05	—	6.05
2.63	3.99	6.62	—	6.62

1.5.1

5.47	2.98	8.45	1.07	9.52
5.22	3.99	9.21	3.58	12.79
3.29	3.99	7.28	1.17	8.45
5.85	1.55	6.70	1.73	8.43
5.84	3.99	9.83	.31	10.14
2.58	3.99	6.57	—	6.57
5.51	1.55	7.06	.80	7.86
4.97	3.99	8.96	—	8.96

1.5.3

2.54	3.99	6.53	—	6.53
4.88	3.99	8.87	—	8.87
2.18	3.99	6.17	—	6.17
2.45	3.99	6.44	—	6.44

Name	F. B.	Residence	Bkgd	70% Bkgd	Total
	1.40	3/1 to 5/29	5.70	3.99	5.39
	1.77	3/12 to 5/13	2.22	1.55	3.30
	—	3/1 to 5/29	5.70	3.99	3.99
	1.24	3/1 to 5/29	5.70	3.99	5.23
	.03	3/1 to 4/28	1.86	1.30	1.33
	.25	3/1 to 5/29	5.70	3.99	4.24
	.52	3/1 to 5/29	5.70	3.99	4.51
	.77	3/1 to 6/5	5.70	3.99	4.76
	.75	3/1 to 6/5	5.70	3.99	4.74
	1.93	2/22 to 4/30	1.94	1.36	3.29
	.31	3/1 to 6/5	5.70	3.99	4.30
	.11	3/1 to 5/29	5.70	3.99	4.10
	—	3/1 to 6/5	5.70	3.99	3.99
	1.48	3/1 to 5/29	5.70	3.99	5.47
	.37	4/15 to 5/16	.87	.61	.98
	.46	3/1 to 6/6	5.70	3.99	4.45
	—	3/1 to 5/18	2.22	1.55	1.55

NRDC VENDOR

Name	Film/Edge (r)	Fall out (r)	Total (r)
	.56	.95	1.51
	.75	1.09	1.84
	1.03	1.55	2.58
	.49	1.06	1.55
	.32	1.30	1.62
	.35	1.53	1.88
<i>No travel performed</i>			
	.73	1.15	1.88
	.61	1.21	1.82
	.51	.43	.94
	.93	1.55	2.48
	.32	1.55	1.87
	.20	1.25	1.55
	1.18	1.55	2.73
	.54	.64	1.18
	1.47	1.55	3.02
		.41	.41
<i>No travel performed</i>			
	.30	1.55	1.85
	0	.38	.38
	1.24	1.55	2.79
	.51		.51
		1.53	1.53
	.34	1.33	1.67
	.72	.95	1.67
	.69	1.55	2.24
	.28	.38	.66
	.26	1.30	1.56
		1.53	1.53
	.91	1.55	2.46
	1.00	1.55	2.55
	1.32	1.55	2.87
	.52	.43	.95
	.90	1.55	2.45
	1.12	1.55	2.67

Origin
Name

V.J.P.

	F. B. Expense	Period	Backgd	70% Bgd	Total
-		4/2 to 4/8	10	7	7
80mm		4/15 to 4/19	140	98	178
-		4/2 to 4/21	1550	1085	1085
-		4/2 to 4/8	10	7	7
-		4/2 to 4/8	10	7	7
-		5/5 to 5/10	100	70	70
-		5/5 to 5/10	100	70	70
-		4/13 to 4/19	285	180	180
80mm		4/15 to 4/19	135	95	175
-		5/5 to 5/10	100	70	70
-		4/2 to 4/8	10	7	7
-		4/13 to 4/19	285	180	180
-		4/2 to 4/8	10	7	7
95mm		4/13 to 4/19	285	180	275
-		5/5 to 5/10	100	70	70
40mm		4/13 to 4/19	285	180	220
65mm		4/15 to 4/19	135	95	160

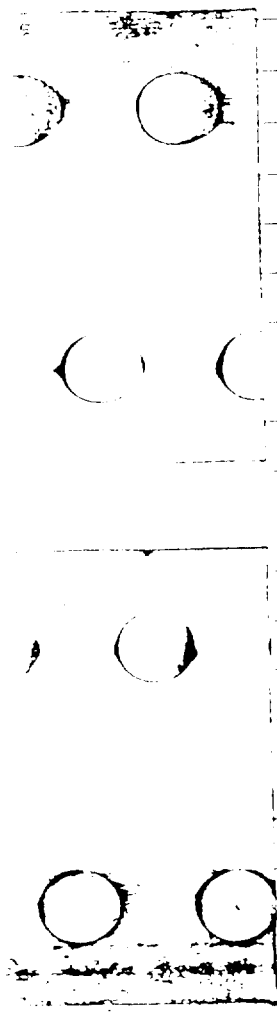
Fig - TG 3.1

50	2/28 to 5/7	2190	1533	1583	
	5/18 to 5/27	2620	1834	1834	
-	4/5 to 4/12	1080	756	756	
	5/6 to 5/10	70	49	805	
68	4/21 to 5/27	3290 670	2303 461	2371 537	
-	2/25 to 5/27	4840 2220	3392 1554	2392 1554	
-	5/2 to 5/12	210	147	147	
-	5/3 to 5/10	160	112	112	
-	5/5 to 5/10	100	70	70	
-	5/20 to 5/29	3480	2436	2436	
0	4/21 to 5/23	670	469 469	654 469	
180	3/30 to 4/11	900	630	810	
240	2/25 to 5/27	4840 2220	3392 1554	3632 1774	
-	5/6 to 5/12	80	56	56	
-	3/23 to 4/9	320	224	224	
m.	240	5/1 to 5/18	240	168	408

✓

Org.	Name	F. B.	Rechnung	Btgd	70% Btgd	Total Exposure
Hq-T62		510	3/1 to 4/23	1635	1145	1655
		6	4/2 to 4/12	1080	756	756
		870	4/15 to 4/29	550	385	1255
		60	4/5 to 5/28	3710	2597	2657
		215	1/9 to 3/22	—	—	—
			4/5 to 5/14	2220	1554	1769
			5/4 to 5/18			
		235	5/6 to 5/14	90	63	298
		230	4/2 to 4/14	1290	903	1133
		160	5/3 to 5/14	180	126	286
	—	5/6 to 5/14	90	63	63	
	—	3/13 to 4/18	1460	1022	1022	
	—	2/28 to 4/25	1730	1211	2941	
		5/5 to 5/27	1740	1228	2429	
					1295	
					5373	
	—	3/2 to 5/15	2220	1554	1554	
	235	3/9 to 5/27	3840	2688	2923	
			2220	1554	1789	
	—	4/5 to 6/4	5700	3990	3990	
			2220	1554	1554	
	—	1/22 to 5/21	2220	1554	1554	
			3840	2688	2688	
	—	3/9 to 5/27	2220	1554	1554	
			3840	2688	2688	
	—	2/27 to 5/27	2220	1554	1554	
			5700	3990	3990	
	—	3/13 to 5/31	2220	1554	1554	
			3840	2688	2688	
	—	2/13 to 5/27	2220	1554	1554	
			5700	3990	3990	
	—	1/22 to 5/31	2220	1554	1554	
			3840	2688	2688	
	—	2/27 to 5/27	2220	1554	1554	
	—	2/23 to 5/25	2220	1554	1554	
	—	3/14 to 5/18	2220	1554	1554	
			5700	3990	3990	
	—	3/9 to 6/20	2220	1554	1554	
			5700	3990	3990	
	—	3/31 to 6/8	2220	1554	1554	
			5700	3990	3990	
	—	3/9 to 5/23	2220	1554	1554	
	—	3/19 to 5/14	2220	1554	1554	
			5700	3990	3990	
	—	1/22 to 6/20	2220	1554	1554	
			5700	3990	3990	
	—	2/23 to 5/29	2220	1554	1554	
			5700	3990	3990	
	—	3/9 to 5/20	2220	1554	1554	
			5700	3990	3990	
	✓	3/16 to 5/31	2220	1554	1554	

D-1



Orig.

D-1

F.B.	Revised	kgd	71% kgd	Total Exp.
—	3/14 to 5/6	2130	1491	1491
—	3/9 to 5/31	5700 5700	3990 1554	3990 1554
—	3/9 to 6/20	2220 5700	3990 1554	3990 1554
150	3/13 to 5/31	2220 5700	3990 1554	4140 1554

D-2

—	1/22 to 2/10	—	—	—
—	3/12 to 4/21	1550	1085	—
—	5/3 to 6/8	3650 170	2555 119	3640 1204
75	2/24 to 6/8	5700 220	3990 1054	1629 1554 + 665
—	12/8 to 4/8	10	7	—
—	4/17 to 6/2	4265 286	2986 558	2993 559
200	2/10 to 4/8	10	7	—
—	4/17 to 5/9	700	490	697
0	1/8 to 2/10	—	—	—
—	4/2 to 5/10	2200	1540	1540
.. 0	3/17 to 5/29	5700 2220	3990 1554	3990 1554

D-3

0	2/25 to 5/28	5420 2220	3794 1554	3794 1554
—	2/5 to 6/1	5700	3990	3990
—	2/6 to 6/1	4220 5700	1554 3990	1554 3990
1405	2/23 to 5/27	4920 2220	3374 1554	4779 2954
—	3/3 to 5/27	4920 2220	3374 1554	3374 1554
—	4/5 to 4/21	1550	1085	1085
—	2/27 to 5/5	2100	1470	1470
—	5/21 to 4/6	4150 670	2905 464	2905 464
—	2/17 to 5/25	2220	1554	1554
—	12/5 to 3/1	—	—	—
—	3/17 to 5/29	5700 2220	3990 1554	3990 1554
—	1/9 to 1/21	—	—	—
—	2/23 to 5/27	4840 2220	3388 1554	3388 1554
—	2/27 to 6/1	5700	3990	3990
—	2/27 to 5/6	2220 2180	1526 3388	1526 3388
—	2/13 to 5/27	4840 2220	1554 3388	1554 3388
—	1/22 to 5/27	4840 2220	3388 1554	3388 1554
—	1/12 to 1/26	5700	3990	3990
—	3/2 to 5/29	2220	1554	1554

Orig.
D-4

F.B.	Revised	Bkgl	70% Bkgl	Total Exp
720	12/9 to 6/6	5700 2220	3990 1554	2580 2274
—	12/9 to 6/6	5700 2220	3990 1554	3990 1554
0	12/24 to 5/24	2220	1554	1554
—	12/24 to 6/18	5700 2220	3990 1554	3990 1554
0	12/3 to 6/2	5700 2220	3990 1554	3990 1554
—	12/13 to 6/4	5700 2220	3990 1554	3990 1554
80	1/12 to 1/26	—	—	—
—	3/9 to 6/3	5700 2220	3990 1554	4624 1554
—	4/13 to 6/4	4500 1020	3150 714	714 31
—	10/15 to 2/4	—	—	—
—	2/27 to 5/27	4840 2220	3388 1554	2388 1554
0	3/21 to 5/31	5700 2220	3990 1554	3990 1554
0	12/3 to 5/29	5700 2220	3990 1554	3990 1554
3/27 to 5/27				
—	4/27 to 6/20	5700 2220	3990 1554	3990 1554
210	3/13 to 5/26	3880 5700 2220	2660 3990 1554	2870 1764 1554 420
—	5/3 to 5/12	160	112	112
—	5/5 to 5/12	110	77	77
875	3/13 to 5/27	4840 2220	3388 1554	4263 2429
—	5/5 to 5/12	110	77	77
—	4/2 to 4/12	1085	760	760
—	4/12 to 4/24	600	420	420
2270	3/13 to 5/26	3820 2220	2674 1554	4944 3824
1320	1/9 to 2/3	—	—	—
—	3/4 to 5/29	5700 2220	3990 1554	5310 2874
395	3/29 to 5/26	3820 2220	2674 1554	3069 1949
933	3/13 to 5/21	2220	1554	2487
2145	3/20 to 5/17	2220	1554	3700
2430	1/24 to 5/29	5700 2220	3990 1554	6420 3984
920	12/9 to ?	—	—	—
—	3/13 to 5/17	2220	1554	2474
2262	2/28 to 5/28	5420 2220	3794 1554	3816 6056
4215	3/29 to 5/29	5700 2220	3990 1554	5769 820

D-5

Hq-3-1.1

Org.
Hg-3.1.1

Name

F.B.	Residence	Bkgt	70% Bkgt	Total Exp
880	4/13 to 4/24	485	340	1220
—	4/2 to 4/10	620	434	434
1875	4/13 to 4/24	485	340	2215
—	4/2 to 4/10	620	434	434
—	4/2 to 4/18	1460	1022	1022
950	4/15 to 5/13	870	609	1559
—	5/1 to 5/13	240	168	168
—	4/2 to 4/18	1460	1022	1022
270	4/2 to 4/10	620	434	704
115	4/10 to 4/24	1065	746	861
360	4/15 to 5/14	870	609	969
740	4/24 to 5/26	535 2135	375 1495	1110 2235
—	5/3 to 5/12	175	123	123
730	4/13 to 4/23	435	305	1040
—	5/3 to 5/10	160	112	112
—	5/4 to 5/14	140	98	98
4090	4/2 to 4/14	1280	876	4966
5470	2/26 to 4/8	10 426	7 2986	8463
	4/17 to 6/3	785	550	6029
3015	1/21 to 2/3	—	—	—
	3/1 to 5/16	2220	1554	4569
5220	2/26 to 3/8	—	—	9210
	3/17 to 6/11	5700 2220	3990 1554	6794
3290	3/10 to 5/29	5700 2220	3990 1554	4844 7280
850	2/26 to 5/28	5420 2220	3794 1554	2404 4644
1455	2/26 to 5/1	1980	1386	2841
—	2/5 to 6/2	5700 2220	3990 1554	1554 3990
5145	2/28 to 5/24	2220	1554	6700
—	3/6 to 3/20	—	—	—
—	3/3 to 4/13	1200	840	—
	5/2 to 5/29	3650 170	2533 119	959 3395
8. —	3/6 to 4/19	1485	1040	1040
5840	3/9 to 5/29	5700 2220	3990 1554	7394 9830

1.5.1

Org.	Name	F.B. Richards	Blgd	70% Blgd	Total Exp.
1.5.1		2580	2/5 to 6/2	2220 5700 3990 1554	4134 6570
		5510	2/28 to 5/24	2220	7064
		4965	2/5 to 6/3	2220 5700 3990 1554	6519 8955
1.6		60	3/12 to 5/28	2220 5420 3794 1554	1614 3854 2054
		—	3/25 to 5/18	2220	1554
		415	3/18 to 4/29	1900	1745
		0	3/9 to 4/21	1550	1085
		365	3/9 to 4/27	1820	1639
		210	3/9 to 4/27	1820	1484
		130	3/4 to 4/27	1820	1404
1.7		900	5/22 to 5/25	—	900
		640	5/22 to 5/25	—	640
		—	5/22 to 5/25	—	—
		1925	3/12 to 5/27	2220 4940 3388 1554	3479 5313
		2375	3/4 to 5/31	2220 5700 3990 1554	3929 6365
		1415	4/15 to 5/25		
		300	4/5 to 4/8	10	307
f.		2600	1/17 to 5/26	2220 3920 2674 1554	4154 5274
2.		300	4/16 to 4/21	150	405
		2733	4/1 to 5/26	2220 3820 2674 1554	4287 5407
		70	5/6 to 5/9	45	102
		1695	3/12 to 5/27	2220 4840 3388 1554	3249 5083
		880	4/5 to ?		
			5/22 to 5/25	—	—
		360	4/5 to 4/8	10	367
c.		1075	3/12 to 5/26	2220 3820 2674 1554	2629 3749
		1670	3/12 to 5/26	2220 3820 2674 1554	3224 4344
		2185	3/8 to 5/25	2220	3639
		3785	3/4 to 5/31	2220 5700 3990 1554	5339 7775
W.		225	4/16 to 4/21	150	330
		—	3/18 to 3/29	—	—

Orig	Name	F.B.	Residence	Bkgh	70% Bkgh	Total Eff.
1.7		600	5/4 to 5/19	145 5700 2220	102 3990 +554	702 5798 3364
		400	4/5 to 4/8	10	7	407
		50	5/6 to 5/9	60	42	92
		130	4/16 to 4/21	150	105	235
		—	3/12 to 5/28	5420 2220	3794 +554	3794 1554
		4.9 5705	3/4 to 5/25	2220	1554	6.45 7259
		E. 1540	3/12 to 5/28	5420 2220	3794 +554	5334 3094
		70	5/6 to 5/9	60	42	112
		—	3/12 to 5/26	3820 2220	2674 +554	2674 1554
		—	3/18 to 3/29	—	—	—
		4240	3/12 to 5/31	5700 2220	3990 +554	5794 3794 8230
		520	4/16 to 4/21	150	105	625
		280	3/17 to 5/27	4840 2220	3388 +554	3668 1834
		—	5/17 to 6/30	3480	2436	2436
		50	4/29 to 5/29	3800 320	2660 224	2710 274
		—	2/1 to 2/5	5	—	—
		70	5/3 to 5/11	160	112	182
		0	3/17 to 5/26	3820 2220	2674 +554	2674 1554
		—	5/17 to 6/30	3480	2440 2660	2440 2660
		—	5/3 to 5/11	160	112	112
		0	3/17 to 5/13	2220	1554	1554
		—	5/5 to 6/15	3600 120	2520 84	2520 84
		—	2/5 to (?)	—	—	—
		—	5/3 to 5/13	170	119	289
		—	4/13 to 5/28	4220 1020	2954 714	714 2954
		—	5/17 to 6/30	3480	2660	2660
		—	3/6 to 5/25	2220	1554	1554
		—	3/17 to 5/21	2220	1554	1554
		—	3/17 to 5/13	2220	1554	1554
		—	1/5 to 4/8	10	7	7
		—	5/17 to 6/5	3480	2660	2660
		—	4/29 to 5/28	320 3520	2464	334 2574
		—	3/15 to 5/27	4840 2220	3388 +554	3388 +554

✓

Org.
1.10

Name

F.B.	Residence	Bkgt	70% Bkgt	Total Exp.
—	? to 5/26			
305	3/17 to 5/26	3120 2220	2184 1554	2489 1854
2200	5/18 to 5/29	3420	2394	4594 2200
1205	5/3 to 5/16	170	119	1324
670	3/17 to 5/28	5260	3682	4352
225	3/25 to 5/26	3140	2198	2423
—	12/28 to 5/21	2220	1554	1554
50	5/3 to 5/11	160	112	162
75	3/17 to 5/26	3140	2198	2273
—	5/18 to 5/29	3420	2394	2394

3.1.2

5440	1/11 to 5/27			
1550	1/9 to 5/16	2220	1554	3104
—	(?) to 5/11	4580	3206	2206
1655	1/9 to 5/27	4580	3206	4861
2180	1/15 to 6/7			
1020	3/26 to 5/13	2210	1547	2567
150	3/12 to 5/5	2100	1470	1620
918	3/14 to 5/17	2220	1554	2472
2080	3/12 to 5/27	4580	3206	5286
2290	3/12 to 5/19	2220	1554	3844
1865	3/12 to 5/27	4580	3206	5071

3.1.3

0	2/12 to 5/14	2220	1554	1554
430	3/23 to 4/13	1200	840	1270
—	3/1 to 5/14	2220	1554	1554
300	3/12 to 5/16	2220	1554	1854
185	3/12 to 5/12	2210	1547	1732

Proj. 5

990	2/28 to 5/19	2220	1554	2544 1554
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3.1.4

270	3/10 to 5/14			
—	3/31 to 4/23	1640	1148	1148
—	3/10 to 4/8	10	7	7
—	5/5 to 5/25	120	84	84

Org.	Name	F.B.	Residence	Bkhd	70% Bkhd	Total Exp.
3.1.4		—	5/5 to 5/27	2380	1736	1736
		0	3/9 to 5/11	2210	1547	1547
		—	4/15 to 5/11	860	602	602
		0	4/15 to 5/11	860	602	602
		—	5/2 to 5/14	210	147	147
	515		3/10 to 5/27	4580	3206	3721
	190		3/24 to 5/27	4580	3206	3396
		-	5/5 to 5/27	2380	1736	1736
		—	3/24 to 5/25	2220	1554	1554
		—	4/7 to 4/23	1640	1148	1148
		—	3/31 to 4/10	620	434	434
		—	5/6 to 5/26	1040	728	728

3.1.5

	3750		4/13 to —			
	6080		3/28 to 5/29	5700	3990	10070
	820		3/28 to 4/29	1900	1330	2150
	4550		3/12 to 5/29	5700	3990	8540
	1914		3/4 to 5/16	2220	1554	3468
	4500		1/9 to 5/27	4580	3206	7706
	2860		4/13 to 5/17	1020	714	3574
	2900		5/23 to 6/30	5700 ^{3.50}	3990 ^{2.45}	6890 ^{5.35}
	3.1000		4/11 to 5/17	1320	924	1924
	3885		4/13 to 5/17	1020	714	4599
	4435		3/28 to 5/30	5700	3990	8425

3.1.6

	—		3/12 to 6/1	5700	3990	3990
	—		3/12 to 5/13	1200	840	840
	—		3/12 to 6/1	5700	3990	3990
	1660		3/14 to 6/4	5700	3990	5650
	1020		3/12 to 5/13	2210	1547	2567
	365		3/14 to 6/4	5700	3990	4355
	95		4/22 to 5/13	610	427	522
	2150		3/14 to 6/4	5700	3990	6140
	100		3/12 to 5/11	2210	1547	1647
	—		3/4 to 5/3	2050	1435	1435
	145	(?)	to 5/10			

PRIVACY ACT MATERIAL REMOVED

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Name

F.B.	Residence	Bkgd	70% Bkgd	Total Ex
—	3/14 to 4/25	1730	1211	1211
340	1/9 to 5/28	5420	3794	4134
—	5/16 to 5/28	3200	2240	2240
180	2/27 to 3/5	—	—	512
	4/16 to 4/28	460	332	332
1525	12/17 to 6/30	5700	3990	5515
—	10/28 to 3/25	—	—	—
—	1/9 to 2/15	—	—	—
—	1/9 to 2/15	—	—	—
—	5/26 to 6/15	1890	1323	1323
—	1/9 to 4/5	—	—	—
—	5/6 to (?)	3580	2506	2506
215	1/9 to 3/22	—	—	—
	4/5 to 5/14	2220	1554	1769

PRIVACY ACT MATERIAL REMOVED

231