

PEPPER, HAMILTON & SCHEETZ

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*Duplicate copy for
microfiche*

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1776 F STREET, N. W.
WASHINGTON, D. C. 20006
202-862-7500

2049 CENTURY PARK EAST
LOS ANGELES, CA. 90067
213-879-0904

December 4, 1979

FREEDOM OF INFORMATION
ACT REQUEST

*FOIA-79-543
REC'd 12-14-79*

Mr. Boyce Grier, Director
Region I
Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Mr. Grier:

In accordance with provisions of the Freedom of Information Act as amended (5 U.S.C. §552), we respectfully request a copy of the summary of the results of the TMI resident whole body counting. We are prepared to pay reasonable costs for reproducing the report.

Sincerely,

Fred Speaker
Fred Speaker

FS/dj

8001170 107

TMI TASK ACTION PLAN RESOURCE REQUIREMENTS

Office: _____

ACTION ITEM		RESOURCES REQUIRED	RESOURCES ALREADY BUDGETED	RESOURCES NOT BUDGETED	PRELIMINARY ASSESSMENT OF REPROGRAMMING ABILITY (Yes, No, Uncertain)
		MY (\$000)	MY \$(000)	MY \$(000)	
	FY80				
	FY81				
	FY80				
	FY81				
	FY80				
	FY81				
	FY80				
	FY81				
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	FY81				

POOR ORIGINAL

TMI WHOLE BODY COUNTING - RESIDENTS
SUMMARY

Wind Speed mph

Time	Serial	File	Sex	Age	nanocuries			WS
					Ra BC	Ra-226	Cs-137	
11/10/79								
1135	1	001	M	40	1±2	7±6	3±2	18.0
1200	2	002	F	62				
1214	3	003	M	38	2±2	6±7	2±2	13.6
1224	4	004	F	38			1±1	
1238	5	005	M	41	3±2	10±5	1±1	
1250	6	006	F	42	5±2	11±7		
1300	7	007	F	75	5±2	9±6		14.0
1315	8	008	M	5	1±1	3±5	2±1	
1327	9	009	F	23	3±1	11±5	1±1	
1340	10	010	F	27	2±2	8±8		
1355	11	011	F	6	1±2	4±5		
1409	12	012	M	58	5±2	16±7		16.2
1426	13	013	M	63	4±2	13±6	2±1	
1439	14	014	F	71	2±2	6±6	1±1	
1457	15	015	F	56	2±2	6±6		
1510	16	016	M	27	2±2	7±6	2±2	14.8
1529	17	017	M	23				
1539	18	018	F	20	3±2	11±7		
1549	19	019	F	37			1±1	
1601	20	020	F	64			1±1	15.6
1613	21	021	F	5	3±2	11±5	1±1	
1624	22	022	F	31	1±2	5±7	2±2	
1636	23	023	F	56	1±2	3±5		
1648	24	024	M	69			2±2	
1700	25	025	F	56			1±1	13.5

* Pasquill Stability Categories based on Reg Guide 1.23 and Met Ed meteorological data (AT)
 A = Extremely Unstable C = Slightly Unstable E = Slightly Stable G = Extremely Stable
 B = Moderately Unstable D = Neutral F = Moderately Stable

TMI WHOLE BODY COUNTING

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POOR ORIGINAL

nanocuries

Time	Serial	File	Sex	Age	Ra BC	Ra-226	Cs-137
1715	26	026	M	9	4±2	12±6	13.5
1723	27	027	F	7			
1739	28	028	F	53	2±2	5±6	
1751	29	029	F	12			
1621	30	030†	F	14	4±2	12±6	11.3
1045	31	031*	M	5			
1052	32	032†*	F	10	2±2	8±6	9.8
1903	33	033	F	19	2±2	6±7	
1915	34	034	M	53	2±1	7±5	2±1
1929	35	035	M	68			1±1
1946	36	036	F	12	2±2	7±6	1±1
1955	37	037	F	8			
2008	38	038	F	3	1±2	5±6	4.9
2020	39	039	F	32	1±2	3±5	1±1
2036	40	040	F	29	3±2	12±6	1±1
2099	41	041	M	6			
2102	42	042	F	12	2±1	7±5	2.3
2113	43	043	F	30	2±2	7±6	
2125	44	044	F	3	2±2	6±5	1±1
2137	45	045	F	5	3±2	9±5	
2198	46	046	M	2	5±2	15±5	
2200	47	047	M	27	4±2	13±6	1±1
2213	48	048	M	8	3±2	10±6	
2224	49	049	F	43	3±2	10±6	
2238	50	050	F	12	3±2	9±5	



† (count #30) DATA IN TRANSMISSION.
 * 2.32 min count * (count #32) Data loss in transmission.

POOR ORIGINAL

TMI WHOLE BODY COUNTING

- 3 -

Time	Serial	File	Sex	Age	nanocuries			Wind Speed
					Ra BC	Ra-226	Co-137	
4/10/79 2250	51	051	M	10	3±2	9±5	1±1	1.9
2302	52	052	F	7			1±1	1.5
2317	53	053	M	13	4±2	15±7		
2329	54	054	F	39	5±2	16±7		
2351	55	055	F	45	1±2	4±5		
11/1/79 0002	56	056	F	35	2±1	6±5		1.2
0013	57	057	M	21	3±2	9±8	1±2	
0030	58	058	M	21	1±2	5±5		
0041	59	059	F	57				
0053	60	060	M	34	2±2	7±6	4±2	
0105	61	061	F	52	2±2	6±5	1±1	1.3
0116	62	062	F	49	4±2	12±6	1±1	
0126	63	063	M	13	4±1	12±5		
0137	64	064	F	71				
0148	65	065	M	38			3±2	
0202	66	066	M	68	3±2	9±6		2.1
0213	67	067	M	29	3±2	11±6	2±2	
0225	68	068	M	29	4±2	12±6	2±2	
0240	69	069	F	51	3±2	11±6	1±1	
0251	70	070	M	52	3±2	11±5	1±1	
0316 ← 4kg?	71	071	M	23	4±2	14±8		2.4
0328 ← 4kg?	72	072	M	25	3±2	9±6	2±2	
0635	73	073	F	22	2±2	6±7	1±2	0.8
0649	74	074	M	46	3±2	9±8	2±2	
0703	75	075	F	11				1.7

POOR ORIGINAL

TMI WHOLE BODY COUNTING

T. Serial	File	Sex	Age	nanocuries			Wind Speed SPM	
				RaBC	Ra-226	Ce-137		
9/11/50 0716	76	076	F	9			1±2	1.7
0729	77	077	M	40	6±2	21±8	3±2	↓
0741	78	078	M	54	2±2	5±7	2±2	
0757	79	079	M	29				↓
0812	80	080	M	28	3±2	11±8	2±2	
0823	81	081	M	10				↓
1013	82	082	M	65			1±2	
1024	83	083	F	59				↓
0835	84	084	M	57				
0904	85	085	F	55	7±2	22±8		3.0
0915	86	086	M	55				↓
0897	87	087	F	69	2±3	7±8		
0928	88	088	F	49			1±2	↓
0937	89	089	M	42	5±2	18±8		
0951	90	090	M	47			2±2	↓
-1222	91	091	M	3	2±2	6±7	2±2	
1002	92	092	F	22				↓
1036	93	093	F	56	2±3	8±9		
1099	94	094	M	23			1±2	↓
1057	95	095	M	70			2±2	
1110	96	096	M	52				↓
1120	97	097	F	59	2±3	7±9		
1129	98	098	F	55			2±2	↓
1139	99	099	M	2				
1150	100	100	F	29	4±2	15±7		↓

POOR ORIGINAL

TMI WHOLE BODY COUNTING
-5-

manocurils

wind speed
Stability

Time	Serial	File	Sex	Age	Ra BC	Ra-226	Cs-137	
4/11/79								
1201	101	101	F	44				3.4
1213	102	102	M	65			1 ± 2	
1224	103	103	F	58				
1296	104	104	F	28			1 ± 2	
1256	105	105	F	63	2 ± 2	7 ± 7	2 ± 1	↓
1305	106	106	M	58			3 ± 2	4.6
1314	107	107	F	33				
1322	108	108	F	2				
1331	109	109*	M	81	10 ± 3	32 ± 9		
1340	110	110	F	62	4 ± 3	15 ± 9		
1349	111	111	F	57				
1400	112	112	M	31	3 ± 3	11 ± 8	1 ± 2	3.7
1409	113	113	M	24	3 ± 3	10 ± 9	3 ± 2	
1423	114	114	F	40				
1433	115	115	M	70			2 ± 2	
1441	116	116	M	35				
1450	117	117	F	49	9 ± 3	29 ± 10	3 ± 2	
1459	118	118	F	6				
1500	119	119	F	47	2 ± 2	6 ± 7		4.4
1517	120	120	M	27			1 ± 2	
1526	121	121	F	11			1 ± 2	
1536	122	122	M	7				
1556	123	123	M	23				
1547	124	124	M	14				
1609	125	125	F	36	3 ± 3	10 ± 9		5.0

* recounted on 4/21/79 - File # 746

POOR ORIGINAL

TMI WHOLE BODY COUNTING

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Handwritten notes: *Handwritten notes*

Time	Serial	File	Sex	Age	nanocuries			
					Ra BC	Ra-226	Cs-137	
4/11/79	126	126	F	15	4±2	12±7		5.0 D
1619	127	127	M	41	7±2	23±6		4.5 D
1751	128	128	M	15	5±2	17±7	1±2	
1740	129	129	F	11	4±2	12±7		
1749	130	130	M	49	4±2	13±6	1±1	
1757	131	131	M	6	2±2	7±7		3.1 E
1011	132	152	M	10	3±2	11±7		
1020	133	153	F	36	7±2	22±8	2±2	
1830	134	134	F	7	3±2	9±6		
1840	135	135	F	53	8±2	25±8		4.6 F
1852	136	136	F	22	8±3	28±9		5.0 D
1907	137	137	M	25	6±3	18±9	2±2	
1646	138	138	F	12	7±2	22±7		4.5 D
1655	139	139	F	19	4±2	13±8		
1709	140	140	F	10	6±2	19±7		
1713	141	141	M	46	5±2	17±6	1±1	4.6 F
1722	142	142	F	9			2±1	
1942	143	143	M	59			1±2	2.3 G
1952	144	144	M	31			3±2	
2001	145	145	M	31	2±2	7±6	1±2	
2017	146	146	M	29	7±2	22±7		
2036	147	147	M	4	4±2	13±7		
2055	148	148	F	13	5±2	11±6		
2044	149	149	F	49				
2053	150	150	M	42	19±3	62±9	2±2	4.2 C
2101								

* 2026 ? (1) Recounted on 4/26/79 - File 727

POOR ORIGINAL

TMI WHOLE BODY COUNTING

-7-

wind speed
statistic

Time M/D/Y	File	Sex	Age	nanocuries			G
				R-8C	Ra-226	Cs-137	
2111	151	F	9	5±2	16±6		
2120	152	M	63	5±2	18±6	2±2	
2136	153	F	22	4±2	13±7	2±2	
2145	154	F	21	6±2	19±8		
2157	155	F	31	3±2	11±7		
2217	156	F	20	4±2	15±8		2.7 G
2230	157	F	20	5±2	17±7		
2242	158	M	45	5±2	17±8		
2250	159	F	27	3±2	9±6	1±1	
2320	160	M	56	10±2	52±7	2±2	2.9 G
4/12/79 0024 ← bkg!	161	M	28	2±2	5±7	2±2	2.1 G
0037	162	M	7	3±2	11±6		
0096	163	M	17			2±1	
0056	164	M	21				
0107	165	M	20	1±2	5±7		2.3 G
0116	166	M	21	4±2	14±6		
0126	167	F	62	2±2	5±6		
0138	168	F	34	7±2	23±6		
				FILE NOT USED			
0700 ← 4/11/79	170	F	49	6±3	21±9		2.1 F
0710	171	F	5	3±2	11±7		
0633 ← bkg	172	M	33	3±2	10±7		3.6 G
0646	173	M	17	4±2	12±6		
0722	174	F	60	12±3	41±9	4±2	2.1 F
0734	175	M	28	9±3	31±10		

These names

POOR ORIGINAL

TMI WHOLE BODY COUNTS

-9-

nanocuries

wind speed
2.1

109 min
↓

↑
10.01 min
↑
1 min
↑
0.01 min
↑
Toby rain
↓

Time	File	Sex	Age	Po-210	Po-210	Cs-137
4/12/79 1334	201	F	67	-	-	2±2
1406	202	M	31	4±2	12±7	
1417	203	M	14	2±2	7±7	
1428	204	M	67			
1441	205	M	10	2±2	8±6	
1455	206	M	54	2±2	5±7	
1521	207	F	8	2±2	6±7	
1536	208	F	75	3±2	10±8	
1547	209	F	4	3±2	9±7	
1603	210	M	37	2±2	8±7	
1615	211	M	46	3±2	9±7	
1627	212	M	9	1±2	3±6	
1639	213	F	24	2±2	6±7	
1655	214	F	8	5±2	16±7	
1708	215	M	64	1±2	4±6	
1720	216	M	13	3±2	9±7	
1732	217	M	53			
1744	218	F	33	8±2	9±5	
1756	219	M	12	1±2	4±6	
1808	220	F	29	3±2	12±7	
1818	221	F	10	3±2	9±6	
1830	222	M	19	3±2	8±7	
1840	223	F	27	2±2	8±6	
1853	224	F	7	7±2	22±8	
1905	225	M	5	5±2	16±6	

3.8
6.4

1.6

3.4

4.5

3.2

2.5

POOR ORIGINAL

TMI WHOLE BODY COUNTS

- 10 -

wind speed
station

Time	File	Sex	Age	Microcuries				
				Ro BC	Ra-226	Cs-137		
4/12/79 1920	226	F	24	3±2	9±7		2.5 E	
1933	227	F	45	2±2	8±7		↓	
1946	228	M	23	6±3	21±8			
2008	229	M	8	3±2	11±8		4.2 F	
2021	230	M	20				↓	
2033	231	* M	21	3±2	11±7			
2092	232	M	25	2±2	5±7			
2055	233	F	27	3±2	9±8		↓	
2104	234	M	6	2±2	8±7			
2116	235	F	11	3±2	10±7		↓	
2125	236	M	19					
2135	237	M	45	6±2	20±7			
2151	238	F	16	2±2	7±7		↓	
2200	239	F	62	3±2	10±7			
2209	240	F	21	1±2	4±6		0.6 F	
← File NOT USED →								↓
2235	242	M	15	3±2	11±7			
2247	243	F	57					
2256	244	F	57	3±2	10±8			
2309	245	F	31	2±2	6±6			
2329	246	F	54				↓	
2338	247	M	46	3±2	11±8	2±2		
2349	248	M	19	4±3	12±8		↓	
4/13/79 0001	249	F	26	3±2	10±7			
0009	250	F	8				4.3 G	

(Count #231) Data loss in transmission

*

POOR ORIGINAL

TMI WHOLE BODY COUNTS

-11-

Time	File	Sex	Age	Microcuries			4.3 G
				Ra BC	Ra-226	Cs-137	
4/12/79 0010	251	F	29	3±2	9±7		↓
0026	252	F	47	1±2	15±7		
0035	253	M	37	1±2	4±8	2±2	
0046	254	M	68	6±3	21±8		
0054	255	M	33				
0107	256	M	17				
0118	257	F	10	2±2	7±7		
0127	258	F	29	2±2	8±6		
0136	259	M	32	1±2	15±8		
0146	260	F	52	2±2	8±7		
0155	261	M	49	2±2	5±8		16.3 E
bkg → 0631	262	M	32				↓
0643	263	F	11			1±2	
0654	264 *	F	67				↓
0704	265	M	50	1±2	4±6		
0718	266	M	73			2±2	↓
0734	267	M	41			5±2	
0746	268	F	48	2±2	7±8	1±2	↓
0754	269	F	10			1±2	
0804	270	M	26				↓
0813	271	F	20				
0822	272	M	38	2±2	8±8	1±2	↓
0841 ← bkg	273	M	10	2±2	6±7		
0850	274	F	21	3±2	9±8		↓
0722	275	M	9				

unweighted
Stability

(count #269) Data loss in transmission.

POOR ORIGINAL

TMI WHOLE BODY COUNTS

-12-

nanocuries

wind speed

Time	File	Sex	Age	Ra BC	Ra-226	Cs-137
4/13/79 0859	276	M	59	8±3	25±9	
0907	277	F	12	4±2	14±7	
0917	278	M	33	5±3	8±8	1±2
0926	279	F	13	4±2	13±8	
0935	280	F	13	4±2	14±8	2±2
0946	281	M	35	6±2	20±8	
0956	282	F	56	2±2	7±7	2±2
1007	283	F	6	1±2	4±7	
1019	284	M	9	2±2	7±8	
1028	285	F	32	2±2	6±7	
1037	286	F	5			
1048	287	F	4			
1057	288	F	60	5±2	18±8	
1110	289	M	69	5±2	16±7	1±1
1123	290	F	11	4±2	14±7	
1133	291	F	23	4±2	13±8	
1143	292	M	9	2±2	6±7	
1152	293	F	8	1±2	5±7	
1201	294	M	57			1±2
1211	295	M	37	3±2	9±8	
1222	296	F	64	4±2	14±8	2±2
1232	297	M	13	2±2	8±7	
1241	298	M	28	2±2	7±7	2±2
1250	299	F	31	5±2	16±7	
1258	300	F	23			1±2

13.6

15.1

12.1

16.5

POOR ORIGINAL

TMI WHOLE BODY COUNTS

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Wind Speed
Stable

MONOCURIES

	Time	File	Sex	Age	RaBC	Po-226	Cs-137	
6kg	9/13/79 1307	301	M	73	5±3	17±9	13.5	
	1336	302	M	12			}	
	1345	303	F	12				
	1354	304	M	9				
	1403	305	F	71				14.5
	1416	306	M	7				}
	1430	307	F					
	1439	308	M					
	1449	309	M	52				
	1500	310	M	44	5±3	9±9		
1509	311	F	16	7±3	24±10	1±2		
1518	312	F	10			}		
1527	313	F	25					
1539	314	F	35					
1554	315	M	7					
1603	316	F	30				11.4	
1612	317	M	6	1±2	5±7		}	
1624	318	F	40	3±3	10±9			
1634	319	M	63					
1643	320	M	8					
1652	321	F	30					
1700	322	F	27	2±2	5±8	11.9		
1706?	323	F	51	5±2	16±7	}		
1717	324	F	8	1±2	4±6			
1726	325	M	23					

Trace Train ↑
Trace Train ↓
Trace Train ↑

POOR ORIGINAL

TMI WHOLE BODY COUNTS

-14-

nanocuries

Wind speed
Stability

Trace
↑
+ rain
↑
Trace rain
↓

353

354

355
356

360

Time	File	Sex	Age	Ra BC	Ra-226	Cs-137	
4/12/79 1744	326	F	56				11.9 D
1754	327	F	25				↓
1803	328	F	35				15.4 D
1813	329	M	65	1±2	5±8		↓
1828	330	F	8				
1838	331	F	35	3±3	10±9		
1847	332	F	28				
1857	333	F	16	2±3	8±10		
1906	334	F	7				
1916	335	M	54			2±2	
1925	336	F	6				
1924	337	M	8				
1955	338	F	54	2±2	6±7		
2004	339	M	59	4±2	15±8		16.2
2013	340	F	26	3±3	9±9		↓
2054	341	M	5				
2044	342	M	25				
2114	343	M	7	2±2	6±8		
2123	344	F	17				
2214	345	M	10				
2223	346	F	38				
2231	347	M	43				
2244?	348	M	47			2±2	
2252	349	M	40				
2301	350	M	10	4±2	12±8		
2310	351	M	27	7±2	22±8		
2319	352	M	63	2±2	6±7		

POOR ORIGINAL

TMI WHOLE BODY COUNTS

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mind feed
5/1/79

nanocuries

Time	File	Sex	Age	Po BC	Ra-226	Cs-137	
5/18/79							
1943	353	M	10				13.8
2022	354	F	39				16.2
2053	355	F	25	2±3	8±11		
2104	356	F	21				10.7
2354	357	F	41				7.2
4/14/79	358	M	74	1±2	3±7		
0006	359	F	33	2±2	6±8		
4/12/79	360	F	54	4±2	14±8	2±2	7.7
2342	361	M	24	3±2	9±6		5.7
2204	362	M	9				
5/14/79	363	M	65	2±2	8±6		6.6
0750	364	F	51	3±2	10±6	1±1	
0759	365	M	66				
0808	366	M	10	4±2	13±6	1±1	
0817	367	F	59	2±2	8±8		
0827	368	F	38	5±2	16±6		
0836	369	M	10	2±2	8±7		6.5
0895	370	M	16	3±2	10±8		
0853	371	F	47				
0902	372	M	65				
0911	373	F	28	3±2	9±7		
0919	374	F	14	2±2	7±8		
0930	375	F	45	2±2	7±6	2±2	
0939							
0747							
0956							

Tmcc min

4/14/79
0006
4/12/79
2342
2204
5/14/79

13.8
16.2
10.7
7.2
7.7
5.7
6.6
6.5

POOR ORIGINAL

TMI WHOLE BODY COUNTS

-16-

MEMO CURIES

Time 4/14/79	File	Sex	Age	Ra BC	Ra -226	Cs-137	
1005	376	F	41	4±2	13±8		5b
1013	377	M	78	4±2	13±7	1±2	
1022	378	M	49				
1031	379	M	10				
1040	380	M	42	2±2	7±7		
1048	381	M	8	2±2	7±6		
1057	382	M	8	3±2	11±6	1±2	
1105	383*	M	8	14±3	47±8	2±2	5.9
1114	384	M	13				
1122	385	M	15	3±2	10±6		
1131	386	F	36	7±2	24±6		
1139	387	F	10	4±2	12±6	1±1	
1148	388	M	66				
1156	389	M	9			1±1	
1205	390	F	38				4.0 A
1214	391	M	65	3±2	9±8		
1222	392	F	51	2±2	7±6		
1232	393	M	45	9±2	30±8	2±2	
1241	394	M	37	3±2	11±7		
1255	395	M	12	3±2	9±7		
6kg → 1315	396	F	10	2±2	5±8		7.2 A
1324	397	F	13	2±2	6±6		
1333	398	F	57			1±2	
1349	399	F	4			1±1	
1358	400	F	10	1±2	4±6	1±1	

* recounted on 04/26/79 File #720

POOR ORIGINAL

TMI WHOLE BODY COUNTS

-17-

micro curies

Time	File	Sex	Age	Ra BC	Ra-226	Cs-137	
4/14/79 1409	401	M	34				16.9
← FILE NOT USED →							
1510	403	F	9	4±2	12±6		17.5
1519	404	F	47	2±2	5±5	1±1	}
1528	405	M	15			1±1	
1537	406	F	62	4±2	12±7		
1432 ^{← 47}	407	F	49	2±2	5±5	2±1	16.9
1441	408	F	73	3±2	10±5	2±1	}
1450	409	F	76	2±2	7±7		
1459	410	M	6			2±1	}
1550	411	M	8			1±1	
1602	412	M	15	3±2	9±7		17.5
1654 ^{← 6kg?}	413	F	16			1±2	}
1703	414	F	14	2±2	6±6	1±1	
1712	415	F	58	3±3	10±9	2±2	}
1738 ^{← 6kg?}	416	F	60			1±1	
1749	417	M	16				}
1802	418	M	10	2±2	5±6		
1810	419	M	12				}
1824	420	M	5				
1839	421	M	23				}
1857	422	F	7	4±2	12±6	1±2	
1909	423	F	49				}
1918	424	M	53				
1932	425	F	53	2±2	7±6	1±1	4.8

wind speed

POOR ORIGINAL

TMI WHOLE BODY COUNTS

-18-

NEAOCUNICS

Time	File	Sex	Age	Ro BC	Ro 226	Cs-137	
4/14/77 1940	426	M	11	1±2	3±6		4.8
1950	427	F	5				4.6
2000	428	M	23				
2113	429*	F	56	24±3	72±9	2±2	4.6
2010	430	M	67	2±2	5±8	1±2	4.6
2024	431	F	56				4.6
2037	432	F	13				
2052	433	F	11	3±2	11±7		4.6
2101	434	F	52	2±2	7±6	2±2	4.6
2133 ← File 718	435	M	57				4.1
2142	436	M	60				
2152	437	M	11				4.1
2205	438	F	53			1±2	
2216	439	F	56	2±2	8±7		3.3
2246	440	F	31				
2256	441	F	9				3.3
4/15/79 - 6kg 0624	442	F	32				
0635	443	F	24				1.8
0649	444	M	53	3±2	9±7	2±2	
0702	445	F	60				4.1
0715	446	F	33				
0724	447	F	34				4.8
4/24/79 2230	448	F	16				
4/15/79 0749	449	M	62				4.8
0759	450	F	38				

Trace Print

* recount on 4/26/79 - File # 725

POOR ORIGINAL

TMI WHOLE BODY COUNTS

-19-

nanocuries

Wind Speed
Feet/Min

Time	File	Sex	Age	Ra BC	Ra-226	Cs-137	
4/15/79 0023 ← bkg	451	M	76	7±2	22±7		5.3
0937	452	F	16				9.2
0954	453	F	32				↓
1007	454	F	6				
1017	455	M	38	2±2	6±8		↓
1032	456	F	6				
1058	457	M	11	2±2	10±7		↓
1110	458	M	7				
1119	459	F	11				↓
1128	460	M	61			1±2	
1145	461	M	7	2±2	6±8		↓
1158	462	F	58				
1211	463	M	18	2±2	8±7		16.6
1220	464	M	11				↓
1229	465	M	8				
1248	466	F	23	2±2	5±6		↓
1257	467	M	57	3±3	11±8		
1325 ← bkg	468	F	23	2±2	8±7		15.5
1352 ← bkg?	469	M	14			2±2	↓
1421 ← bkg?	470	M	29	2±2	6±7		20.7
1446	471	M	10				↓
1455	472	F	17				
1507	473	F	57	2±2	5±7		19.3
1431	474	F	5				26.7
1516	475	M	69				19.7

POOR ORIGINAL

TMI WHOLE BODY COUNTS

-20-

Wind speed station

microcuries

Time	File	Sex	Age	RaBC	Po-226	Cs-137		
4/15/79 1524	476	F	76	2±2	8±7		19.3	
1533	477	M	17				}	
1543	478	M	27					
1552	479	F	55					
1601	480	F	7	4±2	13±6			16.1
1610	481	M	24				}	
1619	482	F	56					
1628	483	F	33	2±2	8±8			
1637	484	F	24					
1646	485	M	13	5±2	17±8			
1655	486	F	54					
1704	487	F	31					16.7
1713	488	M	8					
1721	489	F	9					
1731	490	F	45					
1741	491	M	6					
1750	492	F	8					
1758	493	F	6	4±2	12±7		}	
1810	494	F	67					13.5
1903	495	F	53			1±1	14.1	
1912	496	M	57	3±2	11±6	1±1	}	
1921	497	M	47	2±2	5±6			
1930	498	M	7					1±1
1939	499	F	41					
1947	500	M	7					

POOR ORIGINAL

TMI WHOLE BODY COUNTS

-21-

nanocuries

Time	File	Sex	Age	Ra BC	Ra-226	Cs-137	
4/15/79 1956	501	M	8	4±2	13±6	1±1	14.1
2005	502	M	26			2±2	14.6
2017	503	M	11				12.5
2028	504	M	6				
2037	505	M	23	3±2	9±7		
2045	506	F	27	9±2	29±7	1±2	
2053	507	M	11	4±2	13±7		
2102	508	F	12			1±1	
← bkg 2128	509	M	20	3±2	9±6		
2138	510	M	21			2±2	
2146	511	F	10	4±2	14±6		
2157	512	M	38	5±2	18±7	1±2	
2207	513	F	5				9.0
2215	514	M	6			1±1	
2224	515	F	32	2±2	7±6		
← bkg 2255	516	M	23	3±2	10±7	1±2	
2304	517	M	22				
← bkg 2356	518	F	29	4±2	13±7		
4/16/79 0009	519	F	22	1±2	4±6		
0022	520	M	20	2±2	7±7	1±2	
0031	521	F	9	4±2	15±6	1±1	
0041	522	M	10	3±2	70±6		
530 531 ↑ 1	← bkg 0054	M	62	7±3	22±9		9.1
	0632	M	38	2±2	8±7		
	0641	F	16				

TMI
Ra-226

17.1
14.6
12.5
11.5
9.0
9.1

POOR ORIGINAL

TMC WHOLE BODY COUNTS

-22-

accuracies

Trace rain

TMC rain

TRACE RAIN

Time	File	Sex	Age	Rn BC	Ra-226	Cs-137
11/16/79 0650	526	F	51	1±2	12±6	
0659	527	F	11			
0708	528	F	63	9±2	30±7	
0717	529	M	62	6±2	20±8	2±2
0106	530	M	23	1±2	12±6	
0116	531	M	19	4±2	12±7	
0927	532	M	7	2±2	6±6	1±1
0936	533	M	61	21±2	71±8	2±2
0945	534	F	11	14±2	48±8	2±2
1021	535	M	41	17±3	56±11	
0725	536	M	35	5±2	18±7	
0734	537	M	10	2±2	7±7	
0749	538	F	31	3±2	10±7	
0808	539	M	53			
0818	540	F	24	2±2	6±6	
0826	541	M	25	2±2	8±6	
0835	542	F	4			1±1
0849	543	M	75	2±2	7±6	
0859	544	F	50			2±2
0908	545	M	9	4±2	12±6	
0917	546	F	54	4±2	14±6	
1101	547	M	16	2±2	5±6	
1112	548	F	21	4±2	12±6	
1121	549	F	21			
1130	550	M	64	2±2	7±6	2±2

wind speed
9.1 E
↓
6.9 E
↓
10.0
↓
6.7 D
↓
8.2 D
6.9 E
↓
7.3 D
↓
6.7
↓
9.7

† recounted on 4/26/79 - file # 724
* recounted on 4/26/79 - file # 739
#2 recounted on 4/26/79 - file # 742

POOR ORIGINAL

TMS WHOLE BODY COUNTS

-23-

ANNOUITIES

Time	File	Sex	Age	Ra BC	Ra-226	Cs-137	
↑ 110179							9.7
1139	551	F	7	1±2	4±6		↓
1147	552	M	14	3±2	10±8		
1156	553	F	31	4±2	15±6		↓
1210	554	F	7	2±2	7±6		
1221	555	M	15	2±2	7±6		↓
1230	556	F	24				
1258	557	F	65	8±3	26±9		↓
1250	558	F	58	3±2	9±7	2±2	
↓ 1304	559	M	49			1±2	10.2
1313	560	F	11	3±3	10±9		↓
1323	561	M	7	1±2	4±6		
1332	562	F	33	1±2	4±7		↓
1343	563	F	24				
1352	564	M	9				↓
1401	565	F	7				
1412	566	F	27	2±2	6±7	1±2	↓
1421	567	F	20				
1430	568	M	62	1±2	5±8		↓
↑ 1511	569	F	20	3±2	11±6	2±1	
1519	570	F	24	3±2	10±6		↓
1529	571	F	20			2±2	
1538	572	F	20			1±1	↓
1546	573	F	62	4±2	14±7	1±2	
1555	574	M	8				↓
1610	575	F	29			2±2	

Trace Rain

Trace Rain

Wind speed

POOR ORIGINAL

TMI WHOLE BODY COUNTS

-24-

ANOCURIES

<u>Time</u>	<u>File</u>	<u>Sex</u>	<u>Age</u>	<u>Po-BC</u>	<u>Po-226</u>	<u>Cs-137</u>	
9/16/79							
1616	576	F	25				11.9
1628	577	F	31	1±2	4±5		↓
1636	578	M	20	4±2	15±6	2±2	
1649	579	M	33	3±2	10±6		
1727	580	F	43	2±2	8±7		
1737	581	F	39	1±2	5±6	1±1	↓
1747	582	M	26				
1758	583	F	66				↓
1817	584	F	18	3±2	11±7		
1825	585	M	58	6±2	19±8		↓
1807	586	F	6				
1834	587	M	10	2±2	8±8		↓
1916	588	F	32	2±2	6±7		
1843	589	M	23				↓
1851	590	F	29	3±2	9±7		
1901	591	M	25				↓
1928	592	F	11	2±2	7±6		
1939	593	M	29	2±2	6±7		↓
1947	594	F	12	4±2	12±7		
2017	595	M	23	2±2	6±7		↓
2035	596	M	19	2±2	7±7	1±2	
2049	597	M	59				↓
2101	598	F	22				
2110	599	F	23	4±2	12±6		↓
2119	600	M	26			2±2	

Trace rain →

← bkg

Trace rain →

wind gust
stat

POOR ORIGINAL

TMI WHOLE BODY COUNTS

-25-

nanocuries

Time	File	Sex	Age	Po-210	Po-210	Cs-137	
4/16/79 7-131	601	F	15				17.3
2140	602	M	21				14.3
2153	603	F	22				
2205	604	M	11				13.5
2219	605	F	18				
2237 ← 6kg	606	F	22	3±2	9±6		10.5
2250	607	F	22	4±2	12±6		
2300	608	M	8	4±2	13±7		10.5
2309	609	F	37	3±2	9±7		
2319	610	M	28	5±2	18±9		10.5
2328	611	M	38	3±2	9±7		
2338	612	F	22	3±2	10±6		10.5
2347	613	F	22	4±3	15±9		
4/17/79 ← 6kg 0619	614	F	7			1±1	10.6
0834	615	M	4				
0844	616	M	30	2±2	7±7	2±2	10.6
0853	617	M	21			2±2	
0906	618	F	45				10.6
0917	619	F	34			1±1	
0929	620	F	74	1±2	4±6	2±2	10.6
0938	621	F	64				
0948	622	F	74			1±1	10.6
1000	623	F	52	3±2	10±8	1±2	
1306 ← 6kg	624	M	5	3±2	9±7		14.1
1316	625*	F	26	25±3	84±10	2±2	

* recounted on 4/26/79 - File # 740

POOR ORIGINAL

TME WHOLE BODY COUNTS

-26-

min steel
stable

Time	File	Sex	Age	HCHOCURIES				
				Ra BC	Ra-226	Cs-137		
4/17/79 ← bkg 1336	626	F	68	4±2	12±8	1±2	14.6 E	
1345	627	F	60				↓	
1356	628	F	30					
1410	629	F	29	1±2	4±6			13.4 E
1420	630	M	47	6±3	19±9		↓	
1438	631	M	9	6±2	20±7	1±2		
1448	632	M	65	5±2	16±8	2±2		↓
1522 ← bkg	633	F	7				16.0 E	
1548 ← bkg?	634	M	5	2±2	6±6		↓	
1621 ← bkg?	635	M	29					16.9 E
1633	636	F	60	4±2	15±7		↓	
1642	637	M	48	3±2	11±7	1±2		
1651	638	M	7					
1659	639	M	3				↓	
1708	640	M	8					13.6 E
1716	641	M	43	2±2	5±7			
1729	642	F	7				↓	
1816 ← bkg?	643	F	6	2±2	6±6			14.3 E
1827	644	F	28			1±2		
1837	645	F	27	4±2	12±6	2±1	↓	
1853	646	F	43			1±1		
4/18/79 ← bkg 0629	647	M	39	4±3	12±8	2±2		7.3 E
0633	648	F	42	7±2	23±7	2±2	↓	
0641	649	M	5					
0650	650	F	29	9±3	31±9			↓

POOR ORIGINAL

TMI WHOLE BODY COUNTS

-27-

and good
stable

Time	File	Sex	Age	<u>Ra BC</u>	<u>R_a-226</u>	-137
4/18/79 0659	651	F	24	3±2	10±6	7.3
0708	652	F	23	7±2	22±7	12.0
0717	653	F	46	6±3	18±9	
0725	654	M	31			
0736	655	F	8	3±2	10±7	
0745	656	M	70	4±2	15±7	1±2
0753	657	M	6			1±2
0802	658	F	5	2±1	6±5	13.9
0810	659	F	57	4±2	14±6	
0818	660	F	11	5±3	16±8	
←bkg 0836	661	M	55	1±2	5±8	
0847	662	F	32	5±3	17±9	
1001	663	M	65	2±2	7±7	16.6
1019	664	M	4	2±2	5±6	
1027	665	M	8			
1036	666	F	7			
0900	667	M	45	4±3	12±9	15.9
0910	668	M	33	3±2	9±7	
0919	669	M	6	5±2	15±6	
←bkg 0943	670	F	29	2±2	6±6	
←bkg 0952	671	F	56	2±2	8±8	
1054	672	F	34	3±2	9±7	16.6
1104	673	F	31	2±2	6±7	14.1
1113	674	M	26	5±2	16±8	2±2
1122	675	M	31	4±2	12±6	1±2

POOR ORIGINAL

TMI WHOLE BODY COUNTS

-28-

nanocuries

using fuel
stabilizer

Time	File	Sex	Age	Ra BC	Ra-226	Cs-137		
4/18/79 1131	676	F	7				14.1 A	
1146	677	F	55				}	
1156	678	F	31					
1205	679	M	5	4±2	14±6		11.8 D	
1218	680	M	5	4±2	12±6		}	
1234	681	M	66	4±2	14±7			
1243	682	M	9				}	
1252	683	F	15					
1301	684	M	62	4±2	12±8		16.5 D	
← 6kg 1317	685	F	33	7±3	25±9		}	
1327	686	F	72	3±2	12±8			
←	687	F	count not completed				→	}
1343	688	F	21	2±2	7±8			
1352	689	F	30				}	
1402	690	M	28					
1440	691	M	17				}	
← 1kg 1459	692	F	4					
1507	693	M	10	3±2	9±6		20.7 E	
1518	694	M	6	2±2	7±7		}	
1527	695	M	17	3±2	11±8			
1536	696	M	7				}	
1545	697	F	64	4±2	13±7	1±2		
1554	698	F	8	3±2	10±7		}	
1602	699	M	32	2±2	7±6	2±2		
1614	700	M	32	6±2	18±7	2±2	↓	
1410	count # 693	M	42	data lost in transmission				

POOR ORIGINAL

TMI WHOLE BODY COUNTS

- 29 -

wind speed
stability

nanocuries

Time	File	Sex	Age	Ra-226	Ra-226	Cs-137		
4/18/79 1624	701	F	18	1±2	3±5		15.5 F	
1635	702	M	79	4±2	13±6		Data lost in transmission 1±2	
1643	Count 706	F	10					
1657	703	F	4					
1707	704	M	42	3±2	11±6	2±2	15.9 F	
1716	705	F	4	1±2	5±5		16.1 E	
1724	706*	M	21	5±2	15±7	1±2		
1740	707	M	24	2±2	7±6			
1751	708	M	61			2±2		
1800	709	M	8			2±2		
1809	710	M	49	4±2	13±8	2±2		
1819	711	M	21			1±2		
1828	712	M	18	2±2	8±7			
1837	713	M	48	3±2	8±7	1±2		
1876	714	M	52	5±2	16±6			
1854	715	M	25	4±2	15±7		10.8 E	
1902	716	M	7	2±2	6±5	1±1	9.6 E	
1917	717	M	64	4±2	14±7	1±2		
4/14/79 2124	718	M	14				16.5 D	
4/26/79 0902	719	M	15	2±2	7±6	1±1		
0919	720	M	8	5±2	16±5			
0934	721	F	32	4±2	15±7			
0953	722	M	36	2±2	7±7			
1011	723	F	58	24±3	81±9			14.9 A
1027	724	M	61	12±2	41±8	2±2		
1042	725 ⁽²⁾	F	56	4±2	13±8			

(1) recount of file # 383 (2) recount of file # 429

* [redacted] (count 476) Data lost in transmission.

POOR ORIGINAL

TMI WHOLE BODY COUNTS

-30-

unadjusted
stability

MANCURIES

Time	File	Sex	Age	Po BC	Po-226	Cs-137	
4/26/79 1521	726	F	13	5±2	17±6	1±1	8.7 E
1545	727 ⁽¹⁾	M	42	1±2	5±6	1±1	↓
1613	728	M	57	5±2	18±6	5±2	9.5 D
1622	729	F	17	3±2	9±5		↓
1649	730	M	15				
1704	731	F	39	11±2	36±7	2±2	
1724	732	M	53	3±2	9±6		
1742	733	M	59	2±2	7±6		
1758	734	F	29				
1140	735	F	45	2±2	8±5		5.2 E
1157	736	F	69	58±5	192±17	7±4	↓
1256	737	M	3	2±2	6±5		7.1 F
1319	738	M	1.5	1±2	3±6		9.4 C
1212	739 ⁽²⁾	M	41	1±2	5±7	2±2	7.1 F
1233	740 ⁽³⁾	F	26	5±2	16±7		↓
1245	741 ⁽¹⁾	M	28	1±2	4±7		
1111	742 ⁽⁴⁾	F	11	2±2	5±5		5.2 E
1123	743	M	9				↓
5/17/79 0948	744 ⁽⁵⁾	F	69	7±2	24±7		11.3 A
0950	745	M	77	5±2	16±7	1±1	11.3 A
1/21/79 1134	746 ⁽⁶⁾	M	81	16±3	53±9		4. A
4/20/79 1405	747	M	52	4±2	13±7	2±2	5.1 A
1440	748	F	49				↓
4/7/79 1258	749	M	57	2±2	7±5		4.6 D
6/20/79 1015	750	M	7	2±2	6±7		2.5 F

(1) Recount of File # 150; (2) Recount of File # 535; (3) Recount of File # 625
 (4) Recount of File # 534; (5) Recount of File # 736; (6) Recount of File # 109
 (7) Recount of File # [redacted] (Non-TMI) Date loss in transmission