Appendix C

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Table 4-1 Detailed Analyses of 1952 Produced UO_3

Month	Lot No.	Pu (ppb)	Beta %ANU	Gamma %ANU
Mar-52	7	<5	<5	<70
Mar-52	8	<5	<5	<100
Mar-52	9	<5	<10	<56
Mar-52	10	<5	<5	83
Mar-52	11	<1	29	105
Mar-52	12	<5	18	82
Mar-52	13	<1	18	77
Jun-52	36	<5	23	261
Jun-52	37	<5	26	262
Jun-52	38	<5	25	245
Jun-52	39	<5	23	259
Jun-52	40	<5	1	191
Jun-52	41	<5	5	203
Jun-52	42	<5	15	200
Jun-52	43	<5	4	196
Jun-52	44	<5	1	137
Jun-52	45	<5	2	150
Nov-52	197-200	3	12	46

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Table 4-2 Detailed Analysis of LEU UO_3

Month	Lot No.	Pu(1)	^{103}Ru	^{106}RhRu	^{95}ZrNb	^{234}Th(Pa)
Dec-64	E-122	1	15.80		0.360	
Jan-65	E-123	1	17.50		0.519	
Jan-65	E-124	<1	17.20		0.410	
Jan-65	E-125	3	14.80		0.300	
Feb-65	E-126	<1	20.20		0.330	
Feb-65	E-127	1	21.90		0.375	
Feb-65	E-128	4	22.80		0.420	
Feb-65	E-129	2	21.80		0.350	
Mar-65	E-130	2	17.80		0.281	
Mar-65	E-131	2	17.60		0.220	
Mar-65	E-132	1	16.10		0.294	
Mar-65	E-133	2	14.10		0.231	
Apr-65	E-134	4	14.70		0.264	
Apr-65	E-135	6	13.80		0.223	
Apr-65	E-136	6	15.80		0.320	
Apr-65	E-137	6	14.20		0.340	
May-65	E-138	8	13.50		0.394	
May-65	E-139	7	11.90		0.490	
May-65	E-140	5	12.30		0.540	
May-65	E-141	7	15.50		0.514	
May-65	E-142	8	14.00		0.446	
Jun-65	E-143	10	(2)		(2)	
Jun-65	E-144	9	12.20		0.846	
Jun-65	E-145	7	14.20		0.843	
Aug-65	E-146	4	15.80		0.540	
Aug-65	E-147	2	16.40		0.600	
Aug-65	E-148	2	16.00		0.630	
Aug-65	E-149	1	18.60		0.650	
Sep-65	E-150	1	16.90		0.590	
Sep-65	E-151	3	16.90		1.000	
Sep-65	E-152	4	13.90		0.650	
Sep-65	E-153	3	12.10		0.512	
Oct-65	E-154	2	12.00		0.421	
Nov-65	E-155	1	12.90	9.670	0.210	
Nov-65	E-156	4	1.39	7.350	0.230	
Dec-65	E-157	1	(2)	(2)	(2)	
Dec-65	E-158	1	1.60	5.590	0.560	
Dec-65	E-159	1	1.41	3.940	0.470	47.8
Dec-65	E-160	2	1.15	2.790	0.360	43.3
Jan-66	E-161	1	1.55	4.170	1.040	55.7
Jan-66	E-162	2	1.98	5.810	0.640	47.0
Jan-66	E-163	2	2.02	6.340	0.355	45.0
Jan-66	E-164	2	1.43	4.790	0.280	38.9
Jan-66	E-165	1	0.91	2.930	0.230	39.0
Feb-66	E-166	2	0.77	2.480	0.260	43.1
Feb-66	E-167	1	0.86	2.690	0.360	41.6
Feb-66	E-168	1	0.90	2.960	0.262	(2)
Feb-66	E-169	1	0.64	2.600	0.740	37.0
Mar-66	E-170	4	0.29	0.670	1.470	331.4
Mar-66	E-171	1	0.40	0.220	1.540	42.0

(1) For Pu units are parts Pu per billion parts uranium.
For all others units are microCuries per pound of uranium.
(2) Data not recorded.

Table 4-2 Detailed Analysis of LEU UO_3(Cont'd)

Month	Lot No.	Pu[1]	^{103}Ru	^{106}RhRu	^{95}ZrNb	^{234}Th(Pa)
Mar-66	E-172	5	0.32	0.830	1.650	42.1
Mar-66	E-173	1	0.35	0.842	1.920	45.1
Mar-66	E-174	1	0.35	0.678	2.380	44.4
Mar-66	E-175	1	0.44	0.936	2.770	55.0
Mar-66	E-176	4	0.50	0.893	3.010	63.6
Mar-66	E-177	1	0.56	1.110	2.940	68.4
Apr-66	E-178	1	0.60	1.660	3.070	66.0
Apr-66	E-179	1	0.62	1.380	3.040	79.1
May-66	E-180	1	0.70	1.610	3.010	89.0
May-66	E-181	<1	0.70	1.820	0.397	67.7
May-66	E-182	1	0.92	4.020	0.346	65.7
May-66	E-183	<1	0.99	5.240	0.774	72.4
Jun-66	E-184	1	0.95	5.500	0.596	67.9
Jun-66	E-185	1	1.38	4.560	0.723	59.9
Jun-66	E-186	1	1.29	4.250	0.475	40.9
Jun-66	E-187	1	1.30	4.500	0.510	41.0
Jun-66	E-188	1	0.38	1.250	4.140	(2)
Jul-66	E-189	1	1.54	2.940	0.314	40.1
Sep-66	E-190	1	1.45	4.410	0.355	114.0
Sep-66	E-191	1	1.90	4.200	0.400	112.0
Sep-66	E-192	1	1.60	4.700	0.430	110.0
Sep-66	E-193	1	1.80	4.800	0.460	105.0
Oct-66	E-194	1	2.80	10.500	1.300	99.0
Oct-66	E-195	1	2.90	11.900	0.870	82.9
Oct-66	E-196	1	2.90	10.400	3.600	50.1
Oct-66	E-197	1	3.00	11.800	0.380	59.3
Nov-66	E-198	1	2.50	9.800	0.480	66.4
Nov-66	E-199	1	2.80	11.300	0.530	76.0
Nov-66	E-200	1	2.60	10.000	0.400	72.3
Dec-66	E-201	1	1.70	8.300	0.750	97.5
Dec-66	E-202	2	0.61	2.200	3.900	46.6
Dec-66	E-203	5	0.15	0.900	5.800	39.2
Jan-67	E-204	1	0.36	0.830	3.600	38.1
Jan-67	E-205	3	0.36	0.750	3.400	42.0
Jan-67	E-206	2	0.31	0.640	3.200	41.2
Feb-67	E-207	2	0.34	0.660	2.900	46.2
Feb-67	E-208	2	1.10	1.100	2.800	60.1
Feb-67	E-209	1	0.62	2.700	2.700	68.9
Mar-67	E-210	3	0.59	3.200	2.400	69.0
Mar-67	E-211	1	0.10	2.000	3.400	70.6
Mar-67	E-212	1	0.55	2.200	2.800	72.6
Mar-67	E-213	<1	0.54	1.800	2.900	76.3
Mar-67	E-214	<1	0.19	0.990	3.800	85.6
Mar-67	E-215	2	2.50	0.930	3.200	92.2
Apr-67	E-216	1	0.03	0.320	5.100	62.6
Apr-67	E-217	2	0.19	0.360	6.800	51.2
Apr-67	E-218	2	0.08	0.190	6.800	59.2
Apr-67	E-219	3	0.43	1.000	0.490	62.0
Apr-67	E-220	2	0.43	0.710	4.600	52.0
Aug-67	E-221	2	0.37	0.750	3.700	42.6

(1) For Pu units are parts Pu per billion parts uranium.
For all others units are microCuries per pound of uranium.
(2) Data not recorded.

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Table 4-2 Detailed Analysis of LEU UO_3 (Cont'd)

Month	Lot No.	Pu[1]	^{103}Ru	^{106}RhRu	^{95}ZrNb	^{234}Th(Pa)
Aug-67	E-223	2		3.600	0.600	61.9
Sep-71	E1-8-1	1	0.12	0.646	0.271	65.6
Sep-71	E1-8-2	2	0.11	0.763	0.233	62.3
Sep-71	E1-8-3	2	0.11	<2.09	0.297	67.6
Sep-71	E1-8-4	2	0.12	<2.08	0.255	64.6
Sep-71	E1-8-5	<1	0.01	1.980	2.410	69.1
Sep-71	E1-8-6	1	1.67	1.190	1.590	56.8
Sep-71	E1-8-7	<1	0.02	0.044	0.214	83.7
Oct-71	E1-8-8	9	0.20	2.410	0.219	78.6
Oct-71	E1-8-9	<1	0.13	0.222	0.285	79.3
Oct-71	E1-8-10	1	0.13	0.063	0.790	71.5
Oct-71	E1-8-11	1	0.14	0.270	1.040	64.0
Oct-71	E1-8-12	<1	0.14	2.330	1.030	73.9
Oct-71	E1-9-1	1	0.17	2.650	1.490	79.3
Oct-71	E1-9-2	<1	0.18	2.710	1.710	72.4
Oct-71	E1-9-3	<1	0.17	.2.35	1.700	76.7
Oct-71	E1-9-4	<1	0.17	2.670	1.670	68.7
Oct-71	E1-9-5	<1	0.05	0.268	1.470	77.3
Nov-71	E1-9-6	<1	0.18	2.430	1.460	68.9
Nov-71	E1-9-7	1	0.18	1.250	1.520	72.4
Nov-71	E1-9-8	<1	0.03	0.657	2.540	63.9
Nov-71	E1-9-9	<1	0.04	0.189	1.590	64.3
Nov-71	E1-9-10	<1	0.00	0.619	2.170	62.8
Nov-71	E1-9-11	<1	0.06	0.262	2.220	67.0
Nov-71	E1-9-12	4	0.20	0.983	2.270	74.0
Nov-71	E1-9-13	4	0.19	0.536	2.350	63.6
Nov-71	E1-9-14	4	0.02	0.743	2.140	73.9
Nov-71	E1-9-15	4	0.19	2.620	2.110	75.7
Nov-71	E1-9-16	5	0.20	0.547	2.170	80.1
Nov-71	E1-10-1	5	0.20	0.994	2.240	70.9
Nov-71	E1-10-2	3	0.21	0.720	2.440	69.2
Nov-71	E1-10-3	3	0.22	0.182	2.820	72.6
Nov-71	E1-10-4	<1	0.22	0.920	3.250	59.0
Nov-71	E1-10-5	3	0.23	0.864	3.270	68.0
Nov-71	E1-10-6	4	0.22	1.110	2.890	67.6
Nov-71	E1-10-7	4	0.21	0.893	2.390	73.4
Nov-71	E1-10-8	4	0.20	0.953	2.220	72.7
Mar-72	E2-2-1	3	<0.179	0.592	0.956	95.2
Feb-72	E2-2-2	2	0.06	0.168	0.854	78.3
Feb-72	E2-2-3	3	0.00	0.266	0.928	76.1
Mar-72	E2-2-4	2	0.16	<2.81	0.757	127.0
Mar-72	E2-2-5	2	0.16	0.268	1.270	63.2
Mar-72	E2-2-6	2	0.17	1.090	1.590	57.8
Mar-72	E2-2-7	3	0.23	1.020	2.590	96.1
Mar-72	E2-2-8	2	0.27	1.100	2.870	105.0
Mar-72	E2-2-9	4	0.12	0.571	2.390	108.0
Mar-72	E2-2-10	4	0.08	0.270	1.380	84.6
Mar-72	E2-2-12	4	<0.182	0.498	1.380	89.2

(1) For Pu units are parts Pu per billion parts uranium.
For all others units are microCuries per pound of uranium.
(2) Data not recorded.

Table 4-3 Detailed Analysis of Drummed UO_3 Product

Plutonium Contamination and Beta-Gamma Activity of Recovered Uranium [1] for the Period May 1964 to October 1964

May-64				Jun-64				Jul-64				Aug-64				Sep-64				Oct-64			
Lot	Pu	Beta	Gamma	Lot	Pu	Beta	Gamma	Lot	Pu	Beta	Gamma	Lot	Pu	Beta	Gamma	Lot	Pu	Beta	Gamma	Lot	Pu	Beta	Gamma
45-1	3	5	36	46-1	5	5	40	47-1	4	6	49	48-1	5	6	45	49-1	3	5	45	410-1	3	9	101
45-2	4	5	26	46-2	4	5	41	47-2	4	6	47	48-2	4	6	47	49-2	3	5	46	410-2	4	9	106
45-3	4	5	36	46-3	4	5	40	47-3	3	6	48	48-3	3	5	46	49-3	3	5	46	410-3	3	8	98
45-4	3	5	39	46-4	4	5	43	47-4	3	6	48	48-4	3	5	48	49-4	3	5	52	410-4	4	7	98
45-5	2	5	38	46-5	3	4	42	47-5	5	6	44	48-5	4	4	47	49-5	4	6	57	410-5	3	7	80
45-6	2	5	40	46-6	7	6	69					48-6	3	5	50	49-6	4	7	77	410-6	5	8	96
45-7	2	5	43	46-7	3	6	54					48-7	4	6	54	49-7	4	7	72	410-7	3	8	91
45-8	3	4	42	46-8	7	4	45					48-8	4	5	52	49-8	3	7	76	410-8	2	7	89
45-9	2	5	41	46-9	6	5	47					48-9	3	5	47	49-9	2	7	74	410-9	2	7	92
45-10	1	4	39	46-10	8	5	48					48-10	4	5	44	49-10	3	7	75	410-10	2	6	76
45-11	2	3	39	46-11	5	4	43					48-11	4	4	43	49-11	2	7	73	410-11	2	6	63
45-12	2	5	41	46-12	2	5	46					48-12	3	5	48	49-12	4	8	80	410-12	1	6	70
45-13	1	5	42	46-13	5	5	49					48-13	2	5	44	49-13	3	7	80	410-13	2	5.6	66
45-14	4	5	42	46-14	5	3	50					48-14	2	4	39	49-14	2	7	83	410-14	3	5	61
45-15	5	5	41	46-15	4	5.3	48					48-15	3	4	42	49-15	3	8	89	410-15	5	5	58
				46-16	4	6	49									49-16	2	8	91				
Average	2.7	4.7	39.0		4.8	4.9	50.3		3.8	6.0	47.2		3.4	4.9	46.4		3.0	6.6	69.8		2.9	6.9	83.0

1. Units for Pu are parts Pu per billion parts of U, and for beta and gamma are percent of activity relative to natural uranium

Table 4-3 Detailed Analyses of Drummed UO_3 Product (Cont.)

Plutonium Contamination and Beta-Gamma Activity of Recovered Uranium [1]
for the Period November 1964 to April 1965

Nov-64				Dec-64				Jan-65				Feb-65				Mar-65				Apr-65			
Lot	Pu	Beta	Gamma	Lot	Pu	Beta	Gamma	Lot	Pu	Beta	Gamma	Lot	Pu	Beta	Gamma	Lot	Pu	Beta	Gamma	Lot	Pu	Beta	Gamma
411-1	1	5.1	58.13	412-1	2	9.6	116	51-1	2	9.2	99.3	52-1	2	13.2	176.4	53-1	1	11	168	54-1	1	11	152
411-2	3	5.58	64	412-2	2	9.4	117					52-2	2	12	183	53-2	1	10.7	152	54-2	2	10.9	142
411-3	4	6.6	69.9	412-3	2	9.2	115									53-3	1	10.7	148	54-3	2	9.6	131
411-4	3	7.2	73.33	412-4	2	8.7	107									53-4	1	10.8	140	54-4	2	9.4	126
411-5	5	6.4	75.9	412-5	2	9.8	114									53-5	1	10.8	149	54-5	1	9	116
411-6	3	6.7	77.6	412-6	1	10.7	132									53-6	1	10.1	148	54-6	1	10.2	132.1
411-7	3	7.9	82.4	412-7	2	10.1	129									53-7	1	10.1	141	54-7	1	10.4	122
411-8	4	7.6	88.9	412-8	2	11.2	136.15									53-8	1	11.1	153	54-8	1	9.2	117
411-9	6	8.3	97.6	412-9	2	10.9	131									53-9	3	10.5	146	54-9	1	36.5	178
411-10	3	8.7	106	412-10	2	10.8	130									53-10	1	11.3	158	54-10	1	8.7	112
411-11	3	9.2	111.6	412-11	2	10	131									53-11	2	11.3	163	54-11	2	8.9	111
411-12	3	9.9	114.9	412-12	1	11	130									53-12	1	12	143	54-12	1	9.7	116
																53-13	1	4.2	30.2	54-13	2	10.1	119
																				54-14	2	10.2	124
																				54-15	1	9.6	124
																				54-16	3	10	122
																				54-17	2	10.8	127
																				54-18	1	11	133
																				54-19	1	11	163
Average	3.4	7.4	85.0		1.8	10.1	124.0		2.0	9.2	99.3		2.0	12.6	179.7		1.2	10.4	141.5		1.5	11.4	129.8

[1]From Analytical Data Reports

Table 4-3 Detailed Analyses of Drummed UO_3 Product (Cont.)

Plutonium Contamination and Beta-Gamma Activity of Recovered Uranium [1] for the Period May 1965 to October 1965																							
May-65				Jun-65				Jul-65				Aug-65				Sep-65				Oct-65			
Lot	Pu	Beta	Gamma	Lot	Pu	Beta	Gamma	Lot	Pu	Beta	Gamma	Lot	Pu	Beta	Gamma	Lot	Pu	Beta	Gamma	Lot	Pu	Beta	Gamma
55-1	1	10.2	127	56-1	5	10.5	123	57-1	1	8.1	78.8	58-1	1	7.4	70.5	59-1	3	5.77	63.07	510-1	2	6.08	63.1
55-2	1	11	126.1	56-2	1	10.2	122	57-2	2	10.2	90	58-2	1	8.4	73	59-2	4	6.8	79	510-2	3	4.3	42.9
55-3	1	11.8	138.7	56-3	1	10.5	118.9	57-3	2	9.2	87	58-3	2	7	66.9	59-3	3	6.9	82.8	510-3	3	2.82	27.03
55-4	1	11.7	145.5	56-4	1	10.4	118.5	57-4	2	8.1	78	58-4	1	8.3	74	59-4	2	6.34	76.74	510-4	4	2.39	24.9
55-5	1	10.3	115.9	56-5	3	11	116	57-5	2	8.1	78.2	58-5	1	9.8	125	59-5	2	5.47	67.84	510-5	3	4.05	39.39
55-6	1	12.4	155	56-6	***	9.6	103.3	57-6	2	7.4	73.7	58-6	2	12.1	157.6	59-6	2	6.75	72.12	510-6	4	4.1	48
55-7	1	13.4	156	56-7	1	7.9	86.1					58-7	2	10.1	133.94	59-7	1	6.54	79.13	510-7	3	4.93	62.9
55-8	2	13.5	162	56-8	1	8	77.7					58-8	1	8	102.9	59-8	3	6.51	80.07	510-8	3	5.6	70.62
55-9	1	13.2	150.2	56-9	1	6.82	73.8					58-9	2	7.77	96.1	59-9	1	5.46	72.34	510-9	2	6.46	77.27
55-10	1	12.4	148	56-10	1	6.9	71					58-10	2	7.2	92.7	59-10	1	5.88	65.81	510-10	1	7.13	86.41
55-11	1	12.4	145	56-11	1	6.6	69					58-11	2	7.4	9.1	59-11	1	5.71	63.83				
55-12	1	12.1	149	56-12	1	6.5	71.3									59-12	1	5.56	65.3				
55-13	1	12.2	157	56-13	1	6.46	68																
55-14	1	11	148	56-14	1	6.6	64.6																
55-15	1	12.5	166	56-15	1	6.24	63.68																
55-16	1	11.8	147.7	56-16	1	5	66.78																
55-17	1	10.6	133	56-17	1	18.6	212																
55-18	1	10.5	134																				
55-19	1	12.3	143																				
55-20	1	10.6	140																				
Average	1.1	11.8	144.4		1.3	8.7	95.6		1.8	8.5	81.0		1.5	8.5	91.1		2.0	6.1	72.3		2.8	4.8	54.3

[1]From Analytical Data Reports

Table 4-3 Detailed Analyses of Drummed UO_3 Product (Cont.)

Plutonium Contamination and Beta-Gamma Activity of Recovered Uranium [1]
for the Period November 1965 to April 1966

Nov-65				Dec-65				Jan-66				Feb-66				Mar-66				Apr-66			
Lot	Pu	Beta	Gamma	Lot	Pu	Beta	Gamma	Lot	Pu	Beta	Gamma	Lot	Pu	Beta	Gamma	Lot	Pu	Beta	Gamma	Lot	Pu	Beta	Gamma
511-1	1	8.37	98.45	512-1	1	8.8	124	61-1	1	10.9	120.9	62-1	1	5.99	80.59	63-1	2	4.2	51.8	64-1	1	1.65	23.4
511-2	2	8.5	125	512-2	1	8.6	117	61-2	1	7.11	99.4	62-2	4	5.66	75	63-2	2	4.09	50.72	64-2	1	1.74	25.798
511-3	1	11.5	149.3	512-3	1	8.2	111	61-3	3	6.98	92.25	62-3	3	5.3	69.8	63-3	1	2.1	29.3	64-3	1	2.3	32
511-4	1	9.9	144	512-4	2	7.8	107	61-4	1	6.62	89.1	62-4	4	4.9	62.06	63-4	2	1.63	24.19	64-4	2	2.4	34
				512-5	1	8	111	61-5	3	5.89	78.35	62-5	3	4.6	55.4	63-5	1	1.61	23.86	64-5	1	2.6	39
				512-6	2	7.46	101.3	61-6	2	5.1	69.01	62-6	4	4.3	52.1	63-6	1	1.56	23.4	64-6	1	2.8	44
								61-7	3	5.14	67.36					63-7	1	1.7	24	64-7	1	3	45
								61-8	3	5.06	66.99									64-8	1	2.66	30.57
								61-9	3	5.2	69.9												
								61-10	1	5.01	67.7												
								61-11	2	5.71	76.78												
								61-12	2	5.95	80.6												
Average	1.3	9.6	129.2		1.3	8.1	111.9		2.1	6.2	81.5		3.2	5.1	65.8		1.4	2.4	32.5		1.1	2.4	34.2

Sep-66				Oct-66				Nov-66			
Lot	Pu	Beta	Gamma	Lot	Pu	Beta	Gamma	Lot	Pu	Beta	Gamma
69-1	2	2.01	23.6	610-1	2	1.68	20.8	611-1	2	3.75	58.65
69-2	2	0.31	3.9	610-2	3	1.56	21.49	611-2	1	3.96	60.7
69-3	1	1.72	22.6	610-3	6	1.68	23	611-3	2	4.23	60.94
69-4	1	1.7	24	610-4	4	1.84	25.5	611-4	3	4.09	58.4
69-5	1	1.69	22.8	610-5	3	1.93	28.41	611-5	1	3.84	56.4
69-6	1	1.45	19.3	610-6	2	2.2	32.01	611-6	1	4.37	69.41
69-7	1	1.41	19.4	610-7	1	2.09	31.03	611-7	1	4.2	66.75
69-8	2	1.59	20.5	610-8	2	2.08	30.16	611-8	2	3.61	52.12
69-9	2	1.52	20.4	610-9	2	2.18	32.28	611-9	1	3.75	60.39
69-10	2	1.6	21.4	610-10	2	2.42	36.68	611-10	2	2.94	43.6
69-11	3	1.49	20.03	610-11	2	2.84	42.83	611-11	1	2.79	40.71
				610-12	2	2.79	42.13	611-12	2	2.57	38.17
				610-13	1	2.63	39.68	611-13	1	2.86	46.72
				610-14	2	2.9	43.14	611-14	1	2.73	39.08
				610-15	2	3.52	55.2	611-15	1	2.57	33.8
Average	1.6	1.5	19.8		2.4	2.3	33.6		1.5	3.5	52.4

[1]From Analytical Data Reports

Table 4-3 Detailed Analysis of Drummed UO_3 Product (Cont.)

Jan-67						Feb-67					
Lot No.	Beta (1)	Gamma	^{95}ZrNb	^{103}Ru	^{106}RuRh	Lot No.	Beta	Gamma	^{95}ZrNb	^{103}Ru	^{106}RuRh
71-1	2.98	34.3	2.61	0.449	1.78	72-1	2.5	41.3	3.9	0.066	Off page
71-2	2.09	35.6	3.43	0	0	72-2	2.34	38.7	3.64	0.0789	Off page
71-3	2.31	33.4	2.73	0.403	0.604	72-3	2.18	30.7	2.51	0.358	Off page
71-4	2.53	34.6	2.83	0.381	0.888	72-4	2.25	32.8	2.75	0.336	0.558
71-5	2.37	39.7	3.77	0.0401	0.0615	72-5	2.18	31.7	2.67	0.302	0.562
71-6	2.73	38.6	2.94	0.663	0.801	72-6	2.11	30.9	2.6	0.301	0.52
71-7	2.46	36.2	3.02	0.387	0.585	72-7	2.47	38.5	3.58	0.0742	0.38
71-8	2.39	35.9	3.07	0.492	0.318	72-8	(2)	(2)	2.72	0.461	1.7
71-9	2.46	36.7	3.1	0.533	0.362	72-9			2.88	0.368	0.775
71-10	2.66	44.5	4.26	0.0157	Off page						
71-11	2.58	42	3.96	0.0608	Off page						
Ave.	**2.51**	**37.4**	**3.25**	**0.311**	**0.491**	**Ave.**	**2.29**	**34.9**	**3.03**	**0.261**	**0.499**
Apr-67						**May-67**					
Lot No.	Beta	Gamma	^{95}ZrNb	^{103}Ru	^{106}RuRh	Lot No.	Beta	Gamma	^{95}ZrNb	^{103}Ru	^{106}RuRh
74-1			2.97	0.307	0.528	75-1			1.250	2.790	0.737
74-2			4.09	0.053	0.082	75-2			1.230	0.354	0.756
74-3			2.37	0.027	0.055	75-3			1.340	0.371	0.813
74-4			4.80	0.088	0.125	75-4			1.340	0.338	0.738
74-5			4.64	0.297	0.566	75-5			2.260	0.327	0.001
74-6			4.95	0.357	0.461	75-6			4.270	0.092	0.242
74-7			7.04	0.052	0.120	75-7			5.410	0.000	0.000
74-8			5.01	0.330	0.095	75-8			6.770	0.129	0.165
74-9			2.72	0.254	0.506	75-9			6.250	0.284	0.386
74-10			2.32	0.245	0.468	75-10			5.660	0.298	0.423
74-11			2.42	0.222	0.603	75-11			4.910	0.382	0.783
74-12			38.76	0.005	0.116	75-12			5.580	0.353	0.618
74-13			2.91	0.097	0.138						
74-14			20.18	0.001	0.166						
74-15			1.51	0.043	0.442						
74-16			1.54	0.015	0.197						
Ave. (3)			**6.764**	**0.149**	**0.292**	**Ave.**			**3.856**	**0.477**	**0.472**

(1) Units for beta and gamma are % of activity of aged natural uranium. For others it is micro Curies per pound of uranium.
(2) Gross beta-gamma readings discontinued.
(3) (3) 95ZrNb values appear incorrect by a factor of 10. If corrected, average is 3.45.

Table 4-3 Detailed Analysis of Drummed UO_3 Product (Cont.)

Month	Lot No.	Pu (ppb)	^{103}Ru (1)	$^{106}RuRh$	$^{95}ZrNb$	$^{234}Th(Pa)$
May-71	D1-5-1	<1	0.000	0.211	3.46	118.0
May-71	D1-5-2	<2	0.000	0.190	4.34	98.1
May-71	D1-5-3	<1	0.000	0.117	4.40	90.8
Jun-71	D1-5-4	<1	0.000	0.154	4.32	84.3
Jun-71	D1-5-5	<1	0.000	0.187	4.91	84.4
Jun-71	D1-5-6	<5	0.000	0.770	8.16	72.5
Jun-71	D1-5-7	<6	0.000	0.893	7.90	58.4
Jun-71	D1-5-8	<2	0.000	0.954	6.43	59.4
Jun-71	D1-5-9	<2	0.000	0.934	6.60	59.8
Jun-71	D1-5-10	<7	0.000	0.793	6.85	47.6
Jun-71	D1-5-11	<6	0.000	0.754	6.20	33.4
Jun-71	D1-5-12	<7	0.000	0.247	5.93	60.0
Jun-71	D1-5-13	<9	0.000	0.317	5.82	57.6
Jul-71	D1-6-1	<3	0.000	0.634	5.86	40.4
Jul-71	D1-6-2	(2)	0.000	0.104	5.90	31.4
Jul-71	D1-6-3	<3	0.214	1.320	6.15	65.0
Jul-71	D1-6-4	<3	0.212	0.652	6.24	68.0
Jul-71	D1-6-5	<2	0.038	0.412	5.88	58.8
Jul-71	D1-6-6	<3	0.085	0.172	5.55	56.0
Jul-71	D1-6-7	<4	0.013	0.547	5.52	56.0
Aug-71	D1-6-13	<3	0.171	1.130	3.63	78.3
Aug-71	D1-6-14	<2	0.157	1.220	3.71	82.4
Aug-71	D1-6-15	<1	0.163	0.926	3.44	83.6
Aug-71	D1-7-1	<5	0.158	0.891	3.38	78.7
Aug-71	D1-7-2	<1	0.154	0.847	3.24	79.5
Aug-71	D1-7-3	<1	0.151	0.798	2.97	83.9
Aug-71	D1-7-4	<1	0.136	<0.175	2.32	86.6
Aug-71	D1-7-5	<1	0.129	<0.163	2.05	84.1
Aug-71	D1-7-6	<1	0.126	<0.179	2.05	82.9
Aug-71	D1-7-7	<1	0.130	<0.170	2.05	81.1
Aug-71	D1-7-8	<4	0.113	<1.650	1.79	73.0
Aug-71	D1-7-9	<4	0.104	<1.430	1.25	70.5
Aug-71	D1-7-10	<4	0.104	<1.480	1.30	74.9
Aug-71	D1-7-11	<1	0.103	<1.450	1.19	74.8
Sep-71	D1-7-12	6	0.110	1.220	1.49	78.0
Apr-72	D2-3-1	4	0.185	0.960	2.08	64.6
Apr-72	D2-3-2	3	0.193	1.520	2.33	59.3
Apr-72	D2-4-1 (3)	2	0.197	0.515	1.68	96.8
Jun-72	D2-4-2	2	0.200	5.340	1.67	103.0
May-72	D2-4-3	2	0.181	0.247	2.13	66.5
May-72	D2-4-4	2	0.178	0.736	1.97	61.9
May-72	D2-4-5	2	0.174	0.290	2.01	62.2
May-72	D2-4-6	2	0.174	0.871	1.90	62.2
May-72	D2-4-7	2	0.240	0.182	1.74	68.4
May-72	D2-4-8	2	0.187	6.760	2.35	80.9

(1) Units for isotopics are microCuries per pound of uranium.
(2) Data not recorded
(3) Insufficient documentation to determine whether enriched or depleted uranium in D2-4 series.