

Pu 239/240 Surface Soil Samples – SW Part of Rocky Flats National Wildlife Refuge¹

SAMPLE NAME	COLLECTION DATE	LATITUDE ²	LONGITUDE	RESULT ³ (pCi/g)
BF16-000	3/10/2004	744665	2078621	0.065
BF10-000	3/8/2004	743522	2078624	0.020
BI05-000	3/8/2004	742555	2079159	0.075
BK10-000	3/8/2004	743522	2079689	0.006
BK16-000	3/10/2004	744665	2079689	0.058
1-216	12/13/1993	744904	2079936	0.109
1-216	9/8/1994	744904	2079936	0.063
1-216	11/4/1992	744904	2079936	0.062
BQ10-000	3/8/2004	743522	2080832	0.055
BQ16-000	3/10/2004	744665	2080832	0.103
BT05-000	3/8/2004	742546	2081402	0.016
1-198	12/13/1993	744912	2081829	0.199
1-198	9/8/1994	744912	2081829	0.120
1-198	11/4/1992	744912	2081829	0.032
BW10-000	3/9/2004	743522	2081975	0.102
BW16-000	3/9/2004	744665	2081975	0.029
CB10-000	3/9/2004	743522	2083118	0.033
CB16-000	3/9/2004	744665	2083118	0.059
1-180	11/4/1992	744883	2083404	0.088
1-180	12/13/1993	744883	2083404	0.043
1-180	9/8/1994	744883	2083404	0.032
CE05-000	3/18/2004	742533	2083691	0.058
CH16-000	3/9/2004	744665	2084261	0.021
CH10-000	3/18/2004	743522	2084261	0.009
1-162	9/8/1994	744835	2084927	0.250
1-162	11/4/1992	744835	2084927	0.130
1-162	12/13/1993	744835	2084927	0.050
CN10-000	3/18/2004	743521	2085403	0.042
CN16-000	3/9/2004	744665	2085404	0.012
CQ05-000	4/6/2004	742558	2085977	0.128
CT10-000	4/6/2004	743521	2086546	0.009
CT16-000	4/6/2004	744665	2086547	0.040
1-144	11/5/1992	745246	2086709	4.600
1-144	12/13/1993	745246	2086709	0.195
1-144	9/8/1994	745246	2086709	0.180
CY16-000	4/6/2004	744665	2087689	0.042
CY10-000	4/6/2004	743522	2087690	0.107
DB06-000	3/25/2004	742573	2088262	0.108

¹ Extracted from Analytical Data Set (Attachment 1, Section 3.0, RI/FS Report)

² Data are sorted from west to east using State Plane Coordinates

³ Co-located samples are represented by the highest value (in bold)

38	= Number of Samples
28	= Number of Sample Locations
4.600 pCi/g	= Maximum Value
0.230 pCi/g	= Average of Representative Values (highest value at each location)

PLUTONIUM BENCHMARK LEVELS	
0.9 pCi/g	State "construction standard"
2.5 – 250 pCi/g	Resident risk range
9.8 – 980 pCi/g	Wildlife refuge worker risk range
1.1 pCi/g	Average value in Peripheral OU
0.066 pCi/g	Background