CALORIMETRY EXCHANGE PROGRAM

QUARTERLY DATA REPORT

1ST QUARTER 1992

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EG&G MOUND APPLIED TECHNOLOGIES

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CALORIMETRY EXCHANGE PROGRAM

QUARTERLY DATA REPORT

1ST QUARTER CY92

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The Calorimetry Sample Exchange Program

The goals of the Calorimetry Sample Exchange Program are:

1. Discuss measurement differences
2. Review and improve analytical measurements and methods
3. Discuss new measurement capabilities
4. Provide data to DOE on measurement capabilities to evaluate shipper-receiver differences
5. Provide characterized or standard materials as necessary for exchange participants
6. Provide a measurement control program for plutonium analysis

A sample of PuO_2 powder is available at each participating site for NDA measurement, including either or both calorimetry and high-resolution gamma-ray spectroscopy, the elements which are typically combined to provide a calorimetric assay of plutonium. The facilities measure the sample as frequently and to the level of precision which they desire, and then submit the data to the Exchange for analysis. Statistical tests are used to evaluate the data and to determine if there are significant differences from accepted values for the exchange sample or from data previously reported by that facility. This information is presented, in the form of a quarterly report, intended for use by Exchange participants in measurement control programs, or to indicate when bias corrections may be appropriate. No attempt, however, has been made to standardize methods or frequency of data collection, calibration, or operating procedures. Direct comparisons between laboratories may, therefore, be misleading since data have not been collected to the same precision or for the same time periods.

A meeting of the participants of the Calorimetry Exchange is held annually at EG&G Mound Applied Technologies. The purposes of this meeting are to discuss measurement differences, problems, and new measurement capabilities, and to determine the additional activities needed to fulfill the goals of the Exchange.

NOTE: The next Calorimetry Exchange Program Annual Meeting is scheduled for April 28 - 29, 1993 at EG&G Mound Applied Technologies.

DISCLAIMER

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SUMMARY TABLE

% DIFFERENCE FROM ACCEPTED VALUES FOR THE CALORIMETRY EXCHANGE SAMPLE

	LIVERMORE	LOS ALAMOS	MOUND	HANFORD	ROCKY FLATS CSL	AL	SAVANNAH RIVER
POWER	**	0.08	0.00	-0.09	0.20	0.20	*
P-EFF	-0.26	-0.07	0.02	0.06	-0.38	0.21	*
238/239 Pu	-2.49	7.84	5.41	4.30	9.47	8.64	*
240/239 Pu	-0.19	-0.28	-1.15	0.88	-1.19	0.45	*
241/239 Pu	-0.39	0.12	-0.06	-0.09	-0.23	0.01	*
Am/239 Pu	-1.66	-1.75	0.25	-1.30	-0.60	-0.27	*
% 238 Pu	-2.48	7.87	5.51	4.25	9.53	8.62	*
% 239 Pu	0.43	0.44	0.10	-0.05	0.08	-0.01	*
% 240 Pu	-0.18	-0.27	-1.06	0.83	-1.12	0.44	*
% 241 Pu	-0.38	0.14	0.03	-0.14	-0.16	0.00	*
% 241 Am	-1.65	-1.73	0.35	-1.35	-0.53	-0.28	*

* No data submitted since third quarter of CY88.

** No data submitted for this measurement this quarter.

RESULTS OF ANALYSIS OF POWER DATA

First Quarter 1992

REPORTING LABORATORY

	CSL	LLNL	LANL	MOUND	WHO	RFP	SR
Mean Error (mW)	1.955	****	0.757	0.012	-0.932	1.929	***
Std. Dev. (mW)	1.096	****	1.229	1.491	2.205	1.120	***
Unc. in Mean (mW)	2.891	****	0.551	0.262	0.352	1.566	***
Mean Error (%)	0.20%	****	0.08%	0.00%	-0.09%	0.20%	***
Std. Dev. (%)	0.11%	****	0.12%	0.15%	0.22%	0.11%	***
Unc. in Mean (%)	0.29%	****	0.06%	0.03%	0.04%	0.16%	***

DIFFERENCE FROM LAST PERIOD

Diff. in Mean Error (mW)	*	****	0.321	0.588	0.306	0.354	***
Diff. in Std. Dev. (mW)	*	****	-0.391	-0.252	0.309	-0.618	***
Diff. in Mean Error (%)	*	****	0.04%	0.06%	0.04%	0.04%	***
Diff. in Std. Dev. (%)	*	****	-0.04%	-0.03%	0.03%	-0.07%	***
Number of Data Points	3	0	10	29	40	7	

* NO DATA REPORTED FOR THIS MEASUREMENT IN THE PREVIOUS PERIOD

*EG&G ROCKY FLATS - CHEM. STDS. LAB.
POWER DATA - 1ST QUARTER 1992*

LOS ALAMOS - POWER DATA
2ND QUARTER 1991 - 1ST QUARTER 1992

EG&G MOUND - POWER DATA
 2ND QUARTER 1991 - 1ST QUARTER 1992

*WESTINGHOUSE HANFORD – POWER DATA
2ND QUARTER 1991 – 1ST QUARTER 1992*

EG&G ROCKY FLATS - ANALYTICAL LAB.
POWER DATA - 3RD QUARTER 1991 - 1ST QUARTER 1992

CALORIMETER DATA
1ST QUARTER 1992

ROCKY FLATS - CHEM STANDARDS LABORATORY

#	Date Measured	Instr. ID	Measured Watts	Uncert. 1 STD	Accepted Watts	Ratio M/A	mW Error	Percent Error
1	17-Feb-92	6	0.9910	0.5%	0.9895	1.002	1.491	0.15%
2	18-Feb-92	6	0.9927	0.5%	0.9895	1.003	3.207	0.32%
3	24-Feb-92	8	0.9908	0.5%	0.9896	1.001	1.166	0.12%

LAWRENCE LIVERMORE NATIONAL LABORATORY
NO DATA REPORTED

LOS ALAMOS NATIONAL LABORATORY

#	Date Measured	Instr. ID	Measured Watts	Uncert. 1 STD	Accepted Watts	Ratio M/A	mW Error	Percent Error
1	6-Jan-92	K8	0.9914	0.1%	0.9891	1.002	2.348	0.24%
2	7-Jan-92	K1	0.9901	0.1%	0.9891	1.001	1.017	0.10%
3	7-Jan-92	K4	0.9917	0.2%	0.9891	1.003	2.637	0.27%
4	8-Jan-92	K2	0.9895	0.2%	0.9891	1.000	0.456	0.05%
5	9-Jan-92	K3	0.9889	0.2%	0.9891	1.000	-0.145	-0.01%
6	16-Jan-92	K2	0.9881	0.2%	0.9892	0.999	-1.101	-0.11%
7	11-Feb-92	K5	0.9905	0.2%	0.9894	1.001	1.047	0.11%
8	20-Feb-92	K5	0.9891	0.2%	0.9895	1.000	-0.441	-0.04%
9	26-Feb-92	K5	0.9914	0.2%	0.9896	1.002	1.754	0.18%
10	24-Mar-92	K1	0.9899	0.1%	0.9899	1.000	-0.008	0.00%

EG&G MOUND APPLIED TECHNOLOGIES

#	Date Measured	Instr. ID	Measured Watts	Uncert. 1 STD	Accepted Watts	Ratio M/A	mW Error	Percent Error
1	14-Jan-92	128	0.987825	0.15%	0.989139	0.999	-1.314	-0.13%
2	27-Jan-92	111	0.990425	0.10%	0.989281	1.001	1.144	0.12%
3	28-Jan-92	128	0.987682	0.15%	0.989291	0.998	-1.609	-0.16%
4	29-Jan-92	128	0.988436	0.15%	0.989302	0.999	-0.866	-0.09%
5	29-Jan-92	111	0.990721	0.10%	0.989302	1.001	1.419	0.14%
6	3-Feb-92	128	0.986545	0.15%	0.989357	0.997	-2.812	-0.28%
7	4-Feb-92	128	0.986172	0.15%	0.989367	0.997	-3.195	-0.32%
8	4-Feb-92	111	0.990484	0.10%	0.989367	1.001	1.117	0.11%
9	5-Feb-92	111	0.990599	0.10%	0.989378	1.001	1.221	0.12%
10	10-Feb-92	128	0.990179	0.15%	0.989433	1.001	0.746	0.08%
11	11-Feb-92	128	0.990451	0.15%	0.989443	1.001	1.008	0.10%
12	11-Feb-92	128	0.990802	0.15%	0.989443	1.001	1.359	0.14%
13	13-Feb-92	128	0.990548	0.15%	0.989465	1.001	1.083	0.11%
14	3-Mar-92	128	0.986558	0.15%	0.989671	0.997	-3.113	-0.31%
15	4-Mar-92	128	0.990276	0.15%	0.989682	1.001	0.594	0.06%
16	5-Mar-92	128	0.988208	0.15%	0.989693	0.999	-1.485	-0.15%
17	5-Mar-92	128	0.989772	0.15%	0.989693	1.000	0.079	0.01%
18	9-Mar-92	128	0.989607	0.15%	0.989736	1.000	-0.129	-0.01%
19	10-Mar-92	128	0.990028	0.15%	0.989747	1.000	0.281	0.03%
20	11-Mar-92	128	0.990317	0.15%	0.989757	1.001	0.560	0.06%
21	11-Mar-92	128	0.989669	0.15%	0.989757	1.000	-0.088	-0.01%
22	12-Mar-92	111	0.990708	0.10%	0.989768	1.001	0.940	0.09%
23	16-Mar-92	128	0.990219	0.15%	0.989811	1.000	0.408	0.04%
24	17-Mar-92	128	0.992869	0.15%	0.989822	1.003	3.047	0.31%
25	18-Mar-92	128	0.989473	0.15%	0.989833	1.000	-0.360	-0.04%
26	23-Mar-92	128	0.990256	0.15%	0.989887	1.000	0.369	0.04%
27	24-Mar-92	128	0.990863	0.15%	0.989898	1.001	0.965	0.10%
28	25-Mar-92	128	0.990765	0.15%	0.989908	1.001	0.857	0.09%
29	31-Mar-92	128	0.988103	0.15%	0.989973	0.998	-1.870	-0.19%

WESTINGHOUSE HANFORD COMPANY

#	Date Measured	Instr. ID	Measured Watts	Uncert. 1 STD	Accepted Watts	Ratio M/A	mW Error	Percent Error
1	3-Jan-92	1	0.9872	0.24%	0.9890	0.998	-1.819	-0.18%
2	7-Jan-92	3	0.9819	0.24%	0.9891	0.993	-7.163	-0.72%
3	8-Jan-92	3	0.9887	0.24%	0.9891	1.000	-0.374	-0.04%
4	8-Jan-92	5	0.9878	0.24%	0.9891	0.999	-1.274	-0.13%
5	9-Jan-92	4	0.9926	0.24%	0.9891	1.004	3.515	0.36%
6	10-Jan-92	4	0.9874	0.24%	0.9891	0.998	-1.696	-0.17%
7	14-Jan-92	1	0.9864	0.24%	0.9891	0.997	-2.739	-0.28%
8	15-Jan-92	3	0.9867	0.24%	0.9891	0.998	-2.450	-0.25%
9	16-Jan-92	4	0.9888	0.24%	0.9892	1.000	-0.361	-0.04%
10	17-Jan-92	5	0.9872	0.24%	0.9892	0.998	-1.972	-0.20%
11	21-Jan-92	6	0.9906	0.24%	0.9892	1.001	1.385	0.14%
12	22-Jan-92	1	0.9883	0.24%	0.9892	0.999	-0.926	-0.09%
13	23-Jan-92	3	0.9905	0.24%	0.9892	1.001	1.263	0.13%
14	24-Jan-92	4	0.9881	0.24%	0.9892	0.999	-1.148	-0.12%
15	29-Jan-92	5	0.9887	0.24%	0.9893	0.999	-0.602	-0.06%
16	31-Jan-92	1	0.9905	0.24%	0.9893	1.001	1.176	0.12%
17	4-Feb-92	3	0.9890	0.21%	0.9894	1.000	-0.367	-0.04%
18	5-Feb-92	4	0.9860	0.21%	0.9894	0.997	-3.378	-0.34%
19	6-Feb-92	5	0.9878	0.21%	0.9894	0.998	-1.589	-0.16%
20	7-Feb-92	6	0.9874	0.21%	0.9894	0.998	-2.000	-0.20%
21	12-Feb-92	6	0.9910	0.21%	0.9895	1.002	1.546	0.16%
22	13-Feb-92	3	0.9870	0.21%	0.9895	0.998	-2.465	-0.25%
23	14-Feb-92	4	0.9880	0.21%	0.9895	0.999	-1.476	-0.15%
24	18-Feb-92	5	0.9842	0.21%	0.9895	0.995	-5.319	-0.54%
25	19-Feb-92	6	0.9909	0.21%	0.9895	1.001	1.370	0.14%
26	21-Feb-92	1	0.9906	0.21%	0.9896	1.001	1.048	0.11%
27	26-Feb-92	5	0.9861	0.21%	0.9896	0.996	-3.506	-0.35%
28	27-Feb-92	6	0.9877	0.21%	0.9896	0.998	-1.917	-0.19%
29	3-Mar-92	4	0.9885	0.22%	0.9897	0.999	-1.171	-0.12%
30	4-Mar-92	5	0.9920	0.22%	0.9897	1.002	2.318	0.23%
31	5-Mar-92	6	0.9917	0.22%	0.9897	1.002	2.007	0.20%
32	6-Mar-92	1	0.9907	0.22%	0.9897	1.001	0.997	0.10%
33	9-Mar-92	3	0.9897	0.22%	0.9897	1.000	-0.036	0.00%
34	10-Mar-92	4	0.9883	0.22%	0.9897	0.999	-1.447	-0.15%
35	11-Mar-92	5	0.9896	0.22%	0.9898	1.000	-0.157	-0.02%
36	12-Mar-92	6	0.9862	0.22%	0.9898	0.996	-3.568	-0.36%
37	26-Mar-92	1	0.9903	0.22%	0.9899	1.000	0.381	0.04%
38	27-Mar-92	3	0.9862	0.22%	0.9899	0.996	-3.730	-0.38%
39	30-Mar-92	4	0.9925	0.22%	0.9900	1.003	2.538	0.26%
40	31-Mar-92	5	0.9878	0.22%	0.9900	0.998	-2.173	-0.22%

ROCKY FLATS PLANT - ANALYTICAL LABORATORY

#	Date Measured	Instr. ID	Measured Watts	Uncert. 1 STD	Accepted Watts	Ratio M/A	mW Error	Percent Error
1	10-Jan-92	MO4	0.9897	0.43%	0.9891	1.001	0.628	0.06%
2	14-Jan-92	MO3	0.9900	0.40%	0.9891	1.001	0.857	0.09%
3	21-Jan-92	MO2	0.9929	0.42%	0.9892	1.004	3.673	0.37%
4	22-Jan-92	MO1	0.9919	0.41%	0.9892	1.003	2.644	0.27%
5	12-Feb-92	MO1	0.9919	0.41%	0.9895	1.002	2.451	0.25%
6	13-Feb-92	MO2	0.9917	0.43%	0.9895	1.002	2.207	0.22%
7	14-Feb-92	MO3	0.9905	0.40%	0.9895	1.001	1.045	0.11%

WESTINGHOUSE SAVANNAH RIVER SITE**NO DATA REPORTED**

RESULTS OF ANALYSIS OF P-EFFECTIVE DATA

First Quarter 1992

	REPORTING LABORATORY						
	CSL	LLNL	LANL	MOUND	WHO	RFP	
Mean Error (mW/g)	-0.0094	-0.0065	-0.0018	0.0004	0.0015	0.0052	****
Std. Dev. (mW/g)	0.0168	0.0025	0.0046	0.0046	0.0048	0.0115	****
Unc. in Mean (mW/g)	0.0083	0.0005	0.0026	0.0014	0.0004	0.0020	****
Mean Error (%)	-0.38%	-0.26%	-0.07%	0.02%	0.06%	0.21%	****
Std. Dev. (%)	0.68%	0.10%	0.19%	0.18%	0.19%	0.46%	****
Unc. in Mean (%)	0.34%	0.02%	0.10%	0.06%	0.02%	0.08%	****
DIFFERENCE FROM LAST PERIOD							
Diff. in Mean Error (mW/g)	*	-0.0018	0.0000	-0.0016	-0.0006	0.0037	****
Diff. in Std. Dev. (mW/g)	*	0.0002	-0.0033	0.0003	0.0014	0.0031	****
Diff. in Mean Error (%)	*	-0.07%	0.00%	-0.06%	-0.02%	0.15%	****
Diff. in Std. Dev. (%)	*	0.01%	-0.13%	0.01%	0.05%	0.12%	****
Number of Data Points	3	14	10	20	59	29	0

NO DATA REPORTED FOR THIS MEASUREMENT IN THE PREVIOUS PERIOD

*EG&G ROCKY FLATS - CHEM. STDS. LAB.
P-EFFECTIVE - 1ST QUARTER 1992*

LAWRENCE LIVERMORE - P-EFFECTIVE 2ND QUARTER 1991 - 1ST QUARTER 1992

LOS ALAMOS - P-EFFECTIVE
2ND QUARTER 1991 - 1ST QUARTER 1992

EG&G MOUND - P-EFFECTIVE
2ND QUARTER 1991 - 1ST QUARTER 1992

WESTINGHOUSE HANFORD - P-EFFECTIVE
2ND QUARTER 1991 - 1ST QUARTER 1992

EG&G ROCKY FLATS - ANALYTICAL LAB.
P-EFFECTIVE - 3RD QUARTER 1991 - 1ST QUARTER 1992

P-EFFECTIVE DATA
1ST QUARTER 1992

RFP - CSL

#	Date Measured	Instr. ID	P-eff (mw/g)	Uncert. 1 STD	Accepted P-eff	Ratio M/A	mW/g Error	Percent Error
1	22-Feb-92	A	2.4597	0.72%	2.4854	0.990	-0.0257	-1.03%
2	25-Feb-92	A	2.4750	0.50%	2.4854	0.996	-0.0104	-0.42%
3	25-Feb-92	B	2.4934	0.50%	2.4854	1.003	0.0080	0.32%

LLNL

#	Date Measured	Instr. ID	P-eff (mw/g)	Uncert. 1 STD	Accepted P-eff	Ratio M/A	mW/g Error	Percent Error
1	6-Jan-92	1	2.4796	0.08%	2.4854	0.998	-0.0058	-0.24%
2	13-Jan-92	1	2.4810	0.07%	2.4856	0.998	-0.0046	-0.19%
3	21-Jan-92	1	2.4805	0.09%	2.4859	0.998	-0.0054	-0.22%
4	24-Jan-92	1	2.4830	0.05%	2.4860	0.999	-0.0030	-0.12%
5	27-Jan-92	1	2.4816	0.08%	2.4860	0.998	-0.0044	-0.18%
6	3-Feb-92	1	2.4813	0.08%	2.4862	0.998	-0.0049	-0.20%
7	10-Feb-92	1	2.4789	0.08%	2.4864	0.997	-0.0075	-0.30%
8	19-Feb-92	1	2.4810	0.10%	2.4867	0.998	-0.0057	-0.23%
9	24-Feb-92	1	2.4730	0.10%	2.4868	0.994	-0.0138	-0.56%
10	3-Mar-92	1	2.4806	0.07%	2.4871	0.997	-0.0065	-0.26%
11	10-Mar-92	1	2.4800	0.06%	2.4872	0.997	-0.0072	-0.29%
12	17-Mar-92	1	2.4800	0.07%	2.4874	0.997	-0.0074	-0.30%
13	23-Mar-92	1	2.4810	0.07%	2.4876	0.997	-0.0066	-0.27%
14	30-Mar-92	1	2.4800	0.08%	2.4878	0.997	-0.0078	-0.31%

LANL

#	Date Measured	Instr. ID	P-eff (mw/g)	Uncert. 1 STD	Accepted P-eff	Ratio M/A	mW/g Error	Percent Error
1	3-Jan-92	F5	2.4839	0.31%	2.4854	0.999	-0.0015	-0.06%
2	3-Jan-92	F6	2.4734	0.37%	2.4854	0.995	-0.0120	-0.48%
3	16-Jan-92	F5	2.4851	0.31%	2.4857	1.000	-0.0006	-0.03%
4	16-Jan-92	F6	2.4822	0.31%	2.4857	0.999	-0.0035	-0.14%
5	23-Jan-92	F6	2.4878	0.31%	2.4859	1.001	0.0019	0.08%
6	30-Jan-92	F5	2.4844	0.36%	2.4861	0.999	-0.0017	-0.07%
7	30-Jan-92	F6	2.4884	0.35%	2.4861	1.001	0.0023	0.09%
8	26-Feb-92	F6	2.4905	0.33%	2.4869	1.001	0.0036	0.15%
9	4-Mar-92	F5	2.4872	0.33%	2.4871	1.000	0.0001	0.00%
10	5-Mar-92	F6	2.4807	0.32%	2.4871	0.997	-0.0064	-0.26%

**P-EFFECTIVE DATA
1ST QUARTER 1992**

EG&G MOUND

#	Date Measured	Instr. ID	P-eff (mw/g)	Uncert. 1 STD	Accepted P-eff	Ratio M/A	mW/g Error	Percent Error
1	23-Jan-92	GENIE2	2.4836	0.23%	2.4845	1.000	-0.0009	-0.04%
2	23-Jan-92	GENIE2	2.4755	0.24%	2.4845	0.996	-0.0090	-0.36%
3	23-Jan-92	GENIE2	2.4861	0.25%	2.4845	1.001	0.0016	0.07%
4	23-Jan-92	GENIE2	2.4913	0.27%	2.4845	1.003	0.0067	0.27%
5	24-Jan-92	GENIE2	2.4856	0.26%	2.4845	1.000	0.0011	0.04%
6	19-Feb-92	GENIE2	2.4870	0.25%	2.4853	1.001	0.0018	0.07%
7	19-Feb-92	GENIE2	2.4869	0.25%	2.4853	1.001	0.0016	0.06%
8	19-Feb-92	GENIE2	2.4870	0.24%	2.4853	1.001	0.0017	0.07%
9	19-Feb-92	GENIE2	2.4856	0.24%	2.4853	1.000	0.0003	0.01%
10	20-Feb-92	GENIE2	2.4853	0.26%	2.4853	1.000	0.0000	0.00%
11	20-Feb-92	GENIE2	2.4812	0.26%	2.4853	0.998	-0.0041	-0.17%
12	20-Feb-92	GENIE2	2.4908	0.25%	2.4853	1.002	0.0055	0.22%
13	21-Feb-92	GENIE2	2.4825	0.26%	2.4853	0.999	-0.0029	-0.12%
14	21-Feb-92	GENIE2	2.4962	0.25%	2.4853	1.004	0.0109	0.44%
15	21-Feb-92	GENIE2	2.4842	0.24%	2.4853	1.000	-0.0011	-0.05%
16	26-Mar-92	GENIE2	2.4836	0.28%	2.4863	0.999	-0.0027	-0.11%
17	26-Mar-92	GENIE2	2.4897	0.28%	2.4863	1.001	0.0034	0.14%
18	27-Mar-92	GENIE2	2.4817	0.27%	2.4863	0.998	-0.0046	-0.19%
19	27-Mar-92	GENIE2	2.4810	0.25%	2.4863	0.998	-0.0053	-0.21%
20	27-Mar-92	GENIE2	2.4909	0.26%	2.4863	1.002	0.0045	0.18%

HANFORD

#	Date Measured	Instr. ID	P-eff (mw/g)	Uncert. 1 STD	Accepted P-eff	Ratio M/A	mW/g Error	Percent Error
1	2-Jan-92	1985	2.4818	0.11%	2.4846	0.999	-0.0028	-0.11%
2	2-Jan-92	2424	2.4809	0.11%	2.4846	0.999	-0.0037	-0.15%
3	3-Jan-92	2026	2.4932	0.10%	2.4846	1.003	0.0086	0.35%
4	6-Jan-92	1985	2.4819	0.11%	2.4847	0.999	-0.0028	-0.11%
5	6-Jan-92	2424	2.4841	0.10%	2.4847	1.000	-0.0006	-0.02%
6	7-Jan-92	2026	2.4937	0.10%	2.4847	1.004	0.0090	0.36%
7	10-Jan-92	2470	2.4896	0.14%	2.4848	1.002	0.0048	0.19%
8	13-Jan-92	2026	2.4888	0.10%	2.4849	1.002	0.0039	0.16%
9	13-Jan-92	2424	2.4932	0.10%	2.4849	1.003	0.0083	0.34%
10	13-Jan-92	2470	2.4851	0.13%	2.4849	1.000	0.0002	0.01%
11	14-Jan-92	1985	2.4830	0.10%	2.4849	0.999	-0.0019	-0.08%
12	15-Jan-92	2424	2.4902	0.10%	2.4849	1.002	0.0053	0.21%
13	16-Jan-92	2424	2.4927	0.11%	2.4850	1.003	0.0077	0.31%
14	20-Jan-92	1985	2.4832	0.10%	2.4851	0.999	-0.0019	-0.07%
15	20-Jan-92	2026	2.4926	0.11%	2.4851	1.003	0.0075	0.30%
16	20-Jan-92	2424	2.4911	0.10%	2.4851	1.002	0.0060	0.24%
17	21-Jan-92	2470	2.4910	0.15%	2.4851	1.002	0.0059	0.24%
18	27-Jan-92	2026	2.4911	0.10%	2.4853	1.002	0.0058	0.23%
19	27-Jan-92	1985	2.4930	0.11%	2.4853	1.003	0.0077	0.31%
20	28-Jan-92	2470	2.4824	0.15%	2.4853	0.999	-0.0029	-0.12%
21	29-Jan-92	2424	2.4888	0.10%	2.4853	1.001	0.0035	0.14%
22	3-Feb-92	2470	2.4893	0.14%	2.4855	1.002	0.0038	0.15%
23	3-Feb-92	1985	2.4856	0.11%	2.4855	1.000	0.0001	0.01%
24	4-Feb-92	2026	2.4946	0.11%	2.4855	1.004	0.0091	0.37%
25	4-Feb-92	2424	2.4805	0.10%	2.4855	0.998	-0.0050	-0.20%

P-EFFECTIVE DATA
1ST QUARTER 1992

HANFORD (continued)

#	Date Measured	Instr. ID	P-eff (mw/g)	Uncert. 1 STD	Accepted P-eff	Ratio M/A	mW/g Error	Percent Error
26	5-Feb-92	2026	2.4896	0.11%	2.4855	1.002	0.0041	0.16%
27	10-Feb-92	1985	2.4866	0.10%	2.4857	1.000	0.0009	0.04%
28	10-Feb-92	2026	2.4870	0.10%	2.4857	1.001	0.0013	0.05%
29	11-Feb-92	2424	2.4861	0.10%	2.4857	1.000	0.0004	0.02%
30	11-Feb-92	2470	2.4879	0.16%	2.4857	1.001	0.0022	0.09%
31	18-Feb-92	2470	2.4784	0.13%	2.4859	0.997	-0.0075	-0.30%
32	18-Feb-92	2424	2.4906	0.09%	2.4859	1.002	0.0047	0.19%
33	19-Feb-92	1985	2.4801	0.10%	2.4859	0.998	-0.0058	-0.23%
34	19-Feb-92	2026	2.4965	0.10%	2.4859	1.004	0.0106	0.43%
35	20-Feb-92	2470	2.4803	0.14%	2.4859	0.998	-0.0056	-0.23%
36	20-Feb-92	2026	2.4865	0.10%	2.4859	1.000	0.0006	0.02%
37	24-Feb-92	2470	2.4821	0.15%	2.4860	0.998	-0.0039	-0.16%
38	24-Feb-92	2026	2.4913	0.11%	2.4860	1.002	0.0053	0.21%
39	27-Feb-92	2026	2.4955	0.11%	2.4861	1.004	0.0094	0.38%
40	28-Feb-92	1985	2.4876	0.12%	2.4862	1.001	0.0014	0.06%
41	2-Mar-92	1985	2.4825	0.10%	2.4862	0.998	-0.0037	-0.15%
42	2-Mar-92	2026	2.4951	0.10%	2.4862	1.004	0.0089	0.36%
43	3-Mar-92	2424	2.4844	0.10%	2.4863	0.999	-0.0019	-0.08%
44	3-Mar-92	2470	2.4778	0.14%	2.4863	0.997	-0.0085	-0.34%
45	9-Mar-92	2026	2.4943	0.11%	2.4864	1.003	0.0079	0.32%
46	9-Mar-92	1985	2.4865	0.11%	2.4864	1.000	0.0001	0.00%
47	10-Mar-92	2424	2.4830	0.10%	2.4865	0.999	-0.0035	-0.14%
48	11-Mar-92	2470	2.4835	0.15%	2.4865	0.999	-0.0030	-0.12%
49	11-Mar-92	2470	2.4846	0.14%	2.4865	0.999	-0.0019	-0.08%
50	12-Mar-92	2470	2.4863	0.13%	2.4865	1.000	-0.0002	-0.01%
51	12-Mar-92	2470	2.4891	0.15%	2.4865	1.001	0.0026	0.10%
52	25-Mar-92	1985	2.4880	0.12%	2.4869	1.000	0.0011	0.04%
53	25-Mar-92	2026	2.4898	0.10%	2.4869	1.001	0.0029	0.12%
54	26-Mar-92	2424	2.4848	0.10%	2.4869	0.999	-0.0021	-0.09%
55	27-Mar-92	2470	2.4837	0.13%	2.4869	0.999	-0.0032	-0.13%
56	30-Mar-92	2026	2.4882	0.10%	2.4870	1.000	0.0012	0.05%
57	30-Mar-92	1985	2.4877	0.10%	2.4870	1.000	0.0007	0.03%
58	31-Mar-92	2424	2.4898	0.10%	2.4871	1.001	0.0027	0.11%
59	31-Mar-92	2470	2.4838	0.15%	2.4871	0.999	-0.0033	-0.13%

P-EFFECTIVE DATA
1ST QUARTER 1992

RFP - ANAL. LAB.

#	Date Measured	Instr. ID	P-eff (mw/g)	Uncert. 1 STD	Accepted P-eff	Ratio M/A	mW/g Error	Percent Error
1	6-Jan-92	ND#1	2.5016	0.49%	2.4840	1.007	0.0176	0.71%
2	6-Jan-92	ND#2	2.5038	0.43%	2.4840	1.008	0.0198	0.80%
3	13-Jan-92	ND#1	2.4905	0.45%	2.4842	1.003	0.0063	0.25%
4	13-Jan-92	ND#2	2.4838	0.43%	2.4842	1.000	-0.0004	-0.02%
5	17-Jan-92	ND#1	2.4962	0.42%	2.4843	1.005	0.0119	0.48%
6	17-Jan-92	ND#2	2.4805	0.37%	2.4843	0.998	-0.0038	-0.15%
7	20-Jan-92	TR#1	2.4885	0.35%	2.4844	1.002	0.0041	0.16%
8	20-Jan-92	ND#1	2.4929	0.44%	2.4844	1.003	0.0085	0.34%
9	20-Jan-92	ND#2	2.4788	0.39%	2.4844	0.998	-0.0056	-0.23%
10	23-Jan-92	ND#1	2.4700	0.07%	2.4845	0.994	-0.0145	-0.58%
11	23-Jan-92	ND#2	2.4892	0.42%	2.4845	1.002	0.0047	0.19%
12	28-Jan-92	ND#1	2.4962	0.37%	2.4847	1.005	0.0115	0.46%
13	28-Jan-92	TR#2	2.4933	0.60%	2.4847	1.003	0.0086	0.35%
14	29-Jan-92	TR#1	2.4813	0.52%	2.4847	0.999	-0.0034	-0.14%
15	29-Jan-92	TR#2	2.4874	0.39%	2.4847	1.001	0.0027	0.11%
16	3-Feb-92	TR#1	2.4918	0.46%	2.4848	1.003	0.0070	0.28%
17	3-Feb-92	TR#2	2.4810	0.30%	2.4848	0.998	-0.0038	-0.15%
18	4-Feb-92	ND#1	2.4913	0.36%	2.4849	1.003	0.0064	0.26%
19	5-Feb-92	TR#2	2.4728	0.41%	2.4849	0.995	-0.0121	-0.49%
20	5-Feb-92	TR#1	2.4872	0.42%	2.4849	1.001	0.0023	0.09%
21	7-Feb-92	TR#2	2.5030	0.38%	2.4849	1.007	0.0181	0.73%
22	10-Feb-92	TR#1	2.5023	0.46%	2.4850	1.007	0.0173	0.70%
23	10-Feb-92	TR#2	2.5013	0.41%	2.4850	1.007	0.0163	0.65%
24	11-Feb-92	TR#1	2.4592	0.52%	2.4851	0.990	-0.0259	-1.04%
25	11-Feb-92	TR#1	2.5160	0.54%	2.4851	1.012	0.0309	1.25%
26	11-Feb-92	TR#2	2.4936	0.43%	2.4851	1.003	0.0085	0.34%
27	20-Feb-92	ND#1	2.4865	0.41%	2.4853	1.000	0.0012	0.05%
28	20-Feb-92	TR#1	2.4978	0.46%	2.4853	1.005	0.0125	0.50%
29	21-Feb-92	ND#1	2.4892	0.40%	2.4853	1.002	0.0039	0.16%

SAVANNAH RIVER
NO DATA REPORTED

RESULTS OF ANALYSIS OF 238-Pu/239-Pu DATA

First Quarter 1992

	REPORTING LABORATORY						
	CSL	LLNL	LANL	MOUND	WHO	RFP	SRS
Mean Error (ppm)	9	-2	8	5	4	9	****
Std. Dev. (ppm)	12.95	3.50	6.93	5.14	5.85	16.64	****
% in Mean (ppm)	6.11	0.67	2.11	1.22	0.52	2.97	****
Mean Error (%)	9.47%	-2.49%	7.84%	5.41%	4.30%	8.64%	****
Std. Dev. (%)	13.14%	3.55%	7.02%	5.21%	5.94%	16.87%	****
% in Mean (%)	5.09%	0.70%	1.99%	1.18%	0.51%	2.89%	****

DIFFERENCE FROM LAST PERIOD

Diff. in Mean Error (ppm)	*	-2	4	1	2	5	****
Diff. in Std. Dev. (ppm)	*	1.67	-5.03	0.66	0.63	1.04	****
Diff. in Mean Error (%)	*	-2.24%	4.07%	1.34%	1.80%	5.00%	****
Diff. in Std. Dev. (%)	*	1.69%	-5.08%	0.68%	0.66%	1.08%	****
Number of Data Points	3	14	10	20	59	29	0

NO DATA REPORTED FOR THIS MEASUREMENT IN THE PREVIOUS PERIOD

*EG&G ROCKY FLATS - CHEM. STDS. LAB.
238-PU/239-PU - 1ST QUARTER 1992*

LAWRENCE LIVERMORE - 238-PU/239-PU
2ND QUARTER 1991 - 1ST QUARTER 1992

LOS ALAMOS - 238-PU/239-PU
2ND QUARTER 1991 - 1ST QUARTER 1992

EG&G MOUND - 238-PJ/239-PJ
2ND QUARTER 1991 - 1ST QUARTER 1992

WESTINGHOUSE HANFORD - 238-PU/239-PU
2ND QUARTER 1991 - 1ST QUARTER 1992

*EG&G ROCKY FLATS - ANALYTICAL LAB.
238-PU/239-PU - 3RD QUARTER 1991 - 1ST QUARTER 1992*

238-Pu/239-Pu DATA
1ST QUARTER 1992

RFP - CSL

#	Date Measured	Instr. ID	238/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	22-Feb-92	A	94	15.48%	99	0.955	-4	-4.54%
2	25-Feb-92	A	110	7.48%	99	1.114	11	11.40%
3	25-Feb-92	B	120	6.82%	99	1.215	21	21.53%

LLNL

#	Date Measured	Instr. ID	238/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	6-Jan-92	1	95	2.80%	99	0.964	-4	-3.56%
2	13-Jan-92	1	97	2.16%	99	0.986	-1	-1.36%
3	21-Jan-92	1	101	2.96%	99	1.019	2	1.86%
4	24-Jan-92	1	99	1.64%	99	1.008	1	0.82%
5	27-Jan-92	1	98	2.55%	99	0.997	0	-0.27%
6	3-Feb-92	1	99	2.52%	99	1.008	1	0.82%
7	10-Feb-92	1	96	2.64%	99	0.976	-2	-2.43%
8	19-Feb-92	1	97	3.37%	99	0.987	-1	-1.32%
9	24-Feb-92	1	87	3.75%	99	0.878	-12	-12.19%
10	3-Mar-92	1	98	2.25%	99	0.998	0	-0.23%
11	10-Mar-92	1	95	2.07%	99	0.965	-3	-3.47%
12	17-Mar-92	1	94	2.41%	99	0.955	-4	-4.51%
13	23-Mar-92	1	95	2.25%	99	0.966	-3	-3.42%
14	30-Mar-92	1	93	2.82%	99	0.944	-6	-5.58%

LANL

#	Date Measured	Instr. ID	238/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	3-Jan-92	F5	109	5.70%	99	1.105	10	10.46%
2	3-Jan-92	F6	110	6.80%	99	1.113	11	11.33%
3	16-Jan-92	F5	103	6.10%	99	1.041	4	4.10%
4	16-Jan-92	F6	111	5.70%	99	1.125	12	12.53%
5	23-Jan-92	F6	106	5.90%	99	1.075	7	7.47%
6	30-Jan-92	F5	96	7.50%	99	0.976	-2	-2.37%
7	30-Jan-92	F6	114	6.10%	99	1.160	16	15.98%
8	26-Feb-92	F6	111	6.00%	99	1.128	13	12.83%
9	4-Mar-92	F5	93	7.10%	99	0.945	-5	-5.54%
10	5-Mar-92	F6	110	5.90%	99	1.116	11	11.62%

238-Pu/239-Pu DATA
1ST QUARTER 1992

EG&G MOUND

#	Date Measured	Instr. ID	238/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	23-Jan-92	GENIE2	97	5.3%	99	0.984	-2	-1.59%
2	23-Jan-92	GENIE2	103	5.0%	99	1.043	4	4.29%
3	23-Jan-92	GENIE2	109	4.9%	99	1.105	10	10.47%
4	23-Jan-92	GENIE2	112	5.6%	99	1.137	14	13.72%
5	24-Jan-92	GENIE2	103	6.0%	99	1.047	5	4.70%
6	19-Feb-92	GENIE2	108	5.0%	99	1.091	9	9.12%
7	19-Feb-92	GENIE2	95	5.7%	99	0.960	-4	-3.96%
8	19-Feb-92	GENIE2	110	5.3%	99	1.111	11	11.15%
9	19-Feb-92	GENIE2	102	4.9%	99	1.031	3	3.14%
10	20-Feb-92	GENIE2	101	4.8%	99	1.020	2	2.02%
11	20-Feb-92	GENIE2	107	4.6%	99	1.087	9	8.72%
12	20-Feb-92	GENIE2	111	4.4%	99	1.130	13	12.97%
13	21-Feb-92	GENIE2	100	5.5%	99	1.011	1	1.11%
14	21-Feb-92	GENIE2	109	5.3%	99	1.105	10	10.54%
15	21-Feb-92	GENIE2	109	4.6%	99	1.105	10	10.54%
16	26-Mar-92	GENIE2	99	5.2%	99	1.004	0	0.37%
17	26-Mar-92	GENIE2	101	5.8%	99	1.020	2	2.00%
18	27-Mar-92	GENIE2	105	5.8%	99	1.070	7	6.97%
19	27-Mar-92	GENIE2	100	5.2%	99	1.010	1	0.98%
20	27-Mar-92	GENIE2	99	5.9%	99	1.009	1	0.88%

HANFORD

#	Date Measured	Instr. ID	238/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	2-Jan-92	1985	96	3.90%	99	0.975	-2	-2.46%
2	2-Jan-92	2424	93	4.18%	99	0.943	-6	-5.70%
3	3-Jan-92	2026	110	3.27%	99	1.117	12	11.71%
4	6-Jan-92	1985	95	4.23%	99	0.965	-3	-3.54%
5	6-Jan-92	2424	101	3.52%	99	1.019	2	1.87%
6	7-Jan-92	2026	113	3.08%	99	1.150	15	14.95%
7	10-Jan-92	2470	107	4.61%	99	1.084	8	8.44%
8	13-Jan-92	2026	106	3.27%	99	1.074	7	7.37%
9	13-Jan-92	2424	109	3.21%	99	1.106	11	10.64%
10	13-Jan-92	2470	102	4.57%	99	1.030	3	3.00%
11	14-Jan-92	1985	97	3.70%	99	0.987	-1	-1.34%
12	15-Jan-92	2424	106	3.32%	99	1.074	7	7.38%
13	16-Jan-92	2424	108	3.40%	99	1.096	9	9.55%
14	20-Jan-92	1985	96	3.65%	99	0.976	-2	-2.41%
15	20-Jan-92	2026	107	3.65%	99	1.085	8	8.51%
16	20-Jan-92	2424	108	3.11%	99	1.096	9	9.55%
17	21-Jan-92	2470	109	4.75%	99	1.106	10	10.62%
18	27-Jan-92	2026	107	3.22%	99	1.085	8	8.51%
19	27-Jan-92	1985	107	3.48%	99	1.085	8	8.53%
20	28-Jan-92	2470	101	5.04%	99	1.019	2	1.89%
21	29-Jan-92	2424	100	3.65%	99	1.009	1	0.92%
22	3-Feb-92	2470	111	4.30%	99	1.128	13	12.78%
23	3-Feb-92	1985	102	3.66%	99	1.030	3	3.01%
24	4-Feb-92	2026	110	3.50%	99	1.118	12	11.78%
25	4-Feb-92	2424	95	3.60%	99	0.965	-3	-3.49%

238-Pu/239-Pu DATA
1ST QUARTER 1992

HANFORD (continued)

#	Date Measured	Instr. ID	238/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
26	5-Feb-92	2026	105	3.61%	99	1.063	6	6.33%
27	10-Feb-92	1985	98	3.75%	99	0.998	0	-0.18%
28	10-Feb-92	2026	104	3.34%	99	1.052	5	5.23%
29	11-Feb-92	2424	95	3.61%	99	0.966	-3	-3.41%
30	11-Feb-92	2470	105	5.20%	99	1.063	6	6.31%
31	18-Feb-92	2470	98	4.58%	99	0.997	0	-0.29%
32	18-Feb-92	2424	107	2.92%	99	1.085	8	8.53%
33	19-Feb-92	1985	93	3.82%	99	0.944	-6	-5.65%
34	19-Feb-92	2026	115	3.17%	99	1.162	16	16.16%
35	20-Feb-92	2470	98	4.98%	99	0.998	0	-0.25%
36	20-Feb-92	2026	106	3.24%	99	1.074	7	7.37%
37	24-Feb-92	2470	98	5.41%	99	0.998	0	-0.20%
38	24-Feb-92	2026	104	3.57%	99	1.053	5	5.30%
39	27-Feb-92	2026	115	3.14%	99	1.162	16	16.17%
40	28-Feb-92	1985	98	4.16%	99	0.999	0	-0.12%
41	2-Mar-92	1985	90	4.05%	99	0.912	-9	-8.82%
42	2-Mar-92	2026	106	3.37%	99	1.075	7	7.55%
43	3-Mar-92	2424	99	3.50%	99	1.009	1	0.90%
44	3-Mar-92	2470	100	4.98%	99	1.019	2	1.88%
45	9-Mar-92	2026	110	3.44%	99	1.119	12	11.85%
46	9-Mar-92	1985	97	3.84%	99	0.988	-1	-1.21%
47	10-Mar-92	2424	93	3.78%	99	0.944	-5	-5.57%
48	11-Mar-92	2470	105	4.98%	99	1.063	6	6.31%
49	11-Mar-92	2470	108	4.41%	99	1.095	9	9.54%
50	12-Mar-92	2470	106	4.41%	99	1.074	7	7.42%
51	12-Mar-92	2470	110	4.66%	99	1.118	12	11.77%
52	25-Mar-92	1985	98	4.10%	99	0.999	0	-0.10%
53	25-Mar-92	2026	105	3.40%	99	1.064	6	6.44%
54	26-Mar-92	2424	97	3.68%	99	0.988	-1	-1.21%
55	27-Mar-92	2470	104	4.52%	99	1.052	5	5.25%
56	30-Mar-92	2026	98	3.45%	99	0.999	0	-0.06%
57	30-Mar-92	1985	100	3.62%	99	1.010	1	1.00%
58	31-Mar-92	2424	101	3.33%	99	1.021	2	2.10%
59	31-Mar-92	2470	104	4.99%	99	1.053	5	5.26%

238-Pu/239-Pu DATA
1ST QUARTER 1992

RFP - ANAL. LAB.

#	Date Measured	Instr. ID	238/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	6-Jan-92	ND#1	110	14.87%	99	1.114	11	11.45%
2	6-Jan-92	ND#2	129	10.64%	99	1.307	30	30.70%
3	13-Jan-92	ND#1	112	14.30%	99	1.135	13	13.49%
4	13-Jan-92	ND#2	100	15.73%	99	1.013	1	1.33%
5	17-Jan-92	ND#1	121	14.78%	99	1.226	22	22.62%
6	17-Jan-92	ND#2	102	11.19%	99	1.034	3	3.37%
7	20-Jan-92	TR#1	103	13.66%	99	1.044	4	4.39%
8	20-Jan-92	ND#1	99	16.41%	99	1.003	0	0.33%
9	20-Jan-92	ND#2	91	14.12%	99	0.922	-8	-7.78%
10	23-Jan-92	ND#1	72	21.98%	99	0.730	-27	-27.03%
11	23-Jan-92	ND#2	120	12.89%	99	1.216	21	21.62%
12	28-Jan-92	ND#1	131	11.79%	99	1.328	32	32.79%
13	28-Jan-92	TR#2	115	20.40%	99	1.166	16	16.57%
14	29-Jan-92	TR#1	96	15.53%	99	0.973	-3	-2.69%
15	29-Jan-92	TR#2	94	16.71%	99	0.953	-5	-4.72%
16	3-Feb-92	TR#1	109	14.16%	99	1.105	10	10.50%
17	3-Feb-92	TR#2	95	13.15%	99	0.963	-4	-3.69%
18	4-Feb-92	ND#1	110	13.64%	99	1.115	11	11.52%
19	5-Feb-92	TR#2	80	21.10%	99	0.811	-19	-18.90%
20	5-Feb-92	TR#1	107	13.55%	99	1.085	8	8.48%
21	7-Feb-92	TR#2	131	12.00%	99	1.328	32	32.81%
22	10-Feb-92	TR#1	124	11.46%	99	1.257	25	25.73%
23	10-Feb-92	TR#2	125	14.01%	99	1.267	26	26.74%
24	11-Feb-92	TR#1	71	25.06%	99	0.720	-28	-28.01%
25	11-Feb-92	TR#1	130	13.33%	99	1.318	31	31.81%
26	11-Feb-92	TR#2	105	17.23%	99	1.065	6	6.46%
27	20-Feb-92	ND#1	94	18.25%	99	0.953	-5	-4.67%
28	20-Feb-92	TR#1	122	13.61%	99	1.237	23	23.72%
29	21-Feb-92	ND#1	110	15.00%	99	1.116	11	11.56%

SAVANNAH RIVER
NO DATA REPORTED

RESULTS OF ANALYSIS OF 240-Pu/239-Pu DATA

First Quarter 1992

REPORTING LABORATORY

	CSL	LLNL	LANL	MOUND	WHO	RFP	SRS
Mean Error (ppm)	-737	-119	-176	-715	546	283	****
Std. Dev. (ppm)	2534.91	211.09	1262.13	1025.51	512.21	1141.99	****
Unc. in Mean (ppm)	1691.47	59.28	351.67	249.12	45.82	275.93	****
Mean Error (%)	-1.19%	-0.19%	-0.28%	-1.15%	0.88%	0.45%	****
Std. Dev. (%)	4.08%	0.34%	2.03%	1.65%	0.82%	1.84%	****
Unc. in Mean (%)	2.78%	0.10%	0.57%	0.41%	0.07%	0.44%	****

DIFFERENCE FROM LAST PERIOD

Diff. in Mean Error (ppm)	*	-164	-261	-806	-173	466	****
Diff. in Std. Dev. (ppm)	*	-161.92	-112.74	357.00	239.64	-11.93	****
Diff. in Mean Error (%)	*	-0.26%	-0.42%	-1.30%	-0.28%	0.74%	****
Diff. in Std. Dev. (%)	*	-0.26%	-0.18%	0.57%	0.38%	-0.02%	****
Number of Data Points	3	14	10	20	59	29	0

NO DATA REPORTED FOR THIS MEASUREMENT IN THE PREVIOUS PERIOD

*EG&G ROCKY FLATS - CHEM. STDS. LAB.
240-PU/239-PU - 1ST QUARTER 1992*

LAWRENCE LIVERMORE - 240-PU/239-PU
 2ND QUARTER 1991 - 1ST QUARTER 1992

LOS ALAMOS - 240-PU/239-PU
2ND QUARTER 1991 - 1ST QUARTER 1992

EG&G MOUND - 240-PJ/239-PJ
2ND QUARTER 1991 - 1ST QUARTER 1992

WESTINGHOUSE HANFORD - 240-PJ/239-PJ
 2ND QUARTER 1991 - 1ST QUARTER 1992

EG&G ROCKY FLATS - ANALYTICAL LAB.
240-PU/239-PU - 3RD QUARTER 1991 - 1ST QUARTER 1992

240-Pu/239-Pu DATA
1ST QUARTER 1992

RFP - CSL

#	Date Measured	Instr. ID	240/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	22-Feb-92	A	59057	5.97%	62153	0.950	-3097	-4.98%
2	25-Feb-92	A	61095	4.22%	62153	0.983	-1059	-1.70%
3	25-Feb-92	B	64096	4.03%	62153	1.031	1943	3.13%

LLNL

#	Date Measured	Instr. ID	240/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	6-Jan-92	1	62235	0.39%	62154	1.001	81	0.13%
2	13-Jan-92	1	62382	0.31%	62154	1.004	229	0.37%
3	21-Jan-92	1	61957	0.32%	62154	0.997	-196	-0.32%
4	24-Jan-92	1	62289	0.25%	62154	1.002	135	0.22%
5	27-Jan-92	1	62199	0.37%	62153	1.001	46	0.07%
6	3-Feb-92	1	62046	0.36%	62153	0.998	-107	-0.17%
7	10-Feb-92	1	61921	0.37%	62153	0.996	-232	-0.37%
8	19-Feb-92	1	62072	0.47%	62153	0.999	-81	-0.13%
9	24-Feb-92	1	61598	0.47%	62153	0.991	-555	-0.89%
10	3-Mar-92	1	61819	0.32%	62153	0.995	-334	-0.54%
11	10-Mar-92	1	61798	0.29%	62153	0.994	-355	-0.57%
12	17-Mar-92	1	62094	0.33%	62153	0.999	-59	-0.09%
13	23-Mar-92	1	62104	0.31%	62153	0.999	-49	-0.08%
14	30-Mar-92	1	61958	0.38%	62153	0.997	-194	-0.31%

LANL

#	Date Measured	Instr. ID	240/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	3-Jan-92	F5	61696	1.69%	62154	0.993	-458	-0.74%
2	3-Jan-92	F6	59673	2.10%	62154	0.960	-2480	-3.99%
3	16-Jan-92	F5	62604	1.68%	62154	1.007	450	0.72%
4	16-Jan-92	F6	60459	1.73%	62154	0.973	-1695	-2.73%
5	23-Jan-92	F6	63726	1.63%	62154	1.025	1573	2.53%
6	30-Jan-92	F5	62929	1.92%	62153	1.012	776	1.25%
7	30-Jan-92	F6	62352	1.88%	62153	1.003	198	0.32%
8	26-Feb-92	F6	62266	1.77%	62153	1.002	113	0.18%
9	4-Mar-92	F5	63048	1.77%	62153	1.014	896	1.44%
10	5-Mar-92	F6	61021	1.75%	62153	0.982	-1132	-1.82%

240-Pu/239-Pu DATA
1ST QUARTER 1992

EG&G MOUND

#	Date Measured	Instr. ID	240/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	23-Jan-92	GENIE2	61977	1.6%	62154	0.997	-177	-0.28%
2	23-Jan-92	GENIE2	59211	1.8%	62154	0.953	-2942	-4.73%
3	23-Jan-92	GENIE2	60891	1.8%	62154	0.980	-1262	-2.03%
4	23-Jan-92	GENIE2	61704	2.0%	62154	0.993	-450	-0.72%
5	24-Jan-92	GENIE2	61766	1.8%	62154	0.994	-387	-0.62%
6	19-Feb-92	GENIE2	61762	1.7%	62153	0.994	-391	-0.63%
7	19-Feb-92	GENIE2	62687	1.7%	62153	1.009	533	0.86%
8	19-Feb-92	GENIE2	61243	1.7%	62153	0.985	-910	-1.46%
9	19-Feb-92	GENIE2	61600	1.7%	62153	0.991	-553	-0.89%
10	20-Feb-92	GENIE2	61789	1.9%	62153	0.994	-364	-0.59%
11	20-Feb-92	GENIE2	60092	1.9%	62153	0.967	-2062	-3.32%
12	20-Feb-92	GENIE2	61743	1.8%	62153	0.993	-410	-0.66%
13	21-Feb-92	GENIE2	61073	1.9%	62153	0.983	-1080	-1.74%
14	21-Feb-92	GENIE2	62933	1.7%	62153	1.013	780	1.25%
15	21-Feb-92	GENIE2	60361	1.7%	62153	0.971	-1792	-2.88%
16	26-Mar-92	GENIE2	61322	2.0%	62153	0.987	-831	-1.34%
17	26-Mar-92	GENIE2	62770	2.0%	62153	1.010	617	0.99%
18	27-Mar-92	GENIE2	59921	2.0%	62153	0.964	-2232	-3.59%
19	27-Mar-92	GENIE2	60881	1.8%	62153	0.980	-1272	-2.05%
20	27-Mar-92	GENIE2	63041	1.7%	62153	1.014	889	1.43%

HANFORD

#	Date Measured	Instr. ID	240/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	2-Jan-92	1985	62575	0.52%	62154	1.007	421	0.68%
2	2-Jan-92	2424	62684	0.55%	62154	1.009	530	0.85%
3	3-Jan-92	2026	63308	0.49%	62154	1.019	1154	1.86%
4	6-Jan-92	1985	62496	0.55%	62154	1.006	342	0.55%
5	6-Jan-92	2424	62434	0.50%	62154	1.005	280	0.45%
6	7-Jan-92	2026	63100	0.48%	62154	1.015	946	1.52%
7	10-Jan-92	2470	62995	0.68%	62154	1.014	841	1.35%
8	13-Jan-92	2026	63227	0.48%	62154	1.017	1073	1.73%
9	13-Jan-92	2424	62696	0.49%	62154	1.009	542	0.87%
10	13-Jan-92	2470	62662	0.65%	62154	1.008	509	0.82%
11	14-Jan-92	1985	62698	0.50%	62154	1.009	544	0.88%
12	15-Jan-92	2424	63086	0.50%	62154	1.015	932	1.50%
13	16-Jan-92	2424	63114	0.52%	62154	1.015	961	1.55%
14	20-Jan-92	1985	62714	0.49%	62154	1.009	561	0.90%
15	20-Jan-92	2026	63478	0.53%	62154	1.021	1324	2.13%
16	20-Jan-92	2424	63032	0.48%	62154	1.014	878	1.41%
17	21-Jan-92	2470	62827	0.72%	62154	1.011	674	1.08%
18	27-Jan-92	2026	63224	0.47%	62153	1.017	1070	1.72%
19	27-Jan-92	1985	63450	0.51%	62153	1.021	1297	2.09%
20	28-Jan-92	2470	62160	0.71%	62153	1.000	7	0.01%
21	29-Jan-92	2424	63270	0.50%	62153	1.018	1116	1.80%
22	3-Feb-92	2470	62403	0.67%	62153	1.004	249	0.40%
23	3-Feb-92	1985	62338	0.51%	62153	1.003	184	0.30%
24	4-Feb-92	2026	63276	0.53%	62153	1.018	1122	1.81%
25	4-Feb-92	2424	62469	0.49%	62153	1.005	316	0.51%

240-Pu/239-Pu DATA
1ST QUARTER 1992

HANFORD (continued)

#	Date Measured	Instr. ID	240/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
26	5-Feb-92	2026	62979	0.52%	62153	1.013	826	1.33%
27	10-Feb-92	1985	62911	0.51%	62153	1.012	758	1.22%
28	10-Feb-92	2026	62703	0.48%	62153	1.009	550	0.88%
29	11-Feb-92	2424	63167	0.49%	62153	1.016	1013	1.63%
30	11-Feb-92	2470	62596	0.75%	62153	1.007	442	0.71%
31	18-Feb-92	2470	61474	0.64%	62153	0.989	-679	-1.09%
32	18-Feb-92	2424	62959	0.44%	62153	1.013	806	1.30%
33	19-Feb-92	1985	62223	0.50%	62153	1.001	70	0.11%
34	19-Feb-92	2026	63272	0.50%	62153	1.018	1119	1.80%
35	20-Feb-92	2470	61936	0.69%	62153	0.997	-217	-0.35%
36	20-Feb-92	2026	62225	0.48%	62153	1.001	72	0.12%
37	24-Feb-92	2470	62314	0.75%	62153	1.003	160	0.26%
38	24-Feb-92	2026	63143	0.51%	62153	1.016	990	1.59%
39	27-Feb-92	2026	63149	0.49%	62153	1.016	996	1.60%
40	28-Feb-92	1985	63138	0.56%	62153	1.016	985	1.58%
41	2-Mar-92	1985	62917	0.51%	62153	1.012	764	1.23%
42	2-Mar-92	2026	63682	0.49%	62153	1.025	1529	2.46%
43	3-Mar-92	2424	62309	0.50%	62153	1.003	156	0.25%
44	3-Mar-92	2470	61267	0.72%	62153	0.986	-886	-1.43%
45	9-Mar-92	2026	63142	0.52%	62153	1.016	989	1.59%
46	9-Mar-92	1985	62791	0.51%	62153	1.010	638	1.03%
47	10-Mar-92	2424	62678	0.50%	62153	1.008	525	0.85%
48	11-Mar-92	2470	61966	0.71%	62153	0.997	-187	-0.30%
49	11-Mar-92	2470	61714	0.67%	62153	0.993	-439	-0.71%
50	12-Mar-92	2470	62176	0.66%	62153	1.000	23	0.04%
51	12-Mar-92	2470	62262	0.72%	62153	1.002	109	0.17%
52	25-Mar-92	1985	62719	0.56%	62153	1.009	566	0.91%
53	25-Mar-92	2026	62932	0.49%	62153	1.013	780	1.25%
54	26-Mar-92	2424	62424	0.51%	62153	1.004	272	0.44%
55	27-Mar-92	2470	61855	0.66%	62153	0.995	-298	-0.48%
56	30-Mar-92	2026	63031	0.47%	62153	1.014	878	1.41%
57	30-Mar-92	1985	62763	0.50%	62153	1.010	611	0.98%
58	31-Mar-92	2424	62845	0.47%	62153	1.011	692	1.11%
59	31-Mar-92	2470	61873	0.73%	62153	0.996	-280	-0.45%

240-Pu/239-Pu DATA
1ST QUARTER 1992

RFP - ANAL. LAB.

#	Date Measured	Instr. ID	240/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	6-Jan-92	ND#1	64663	3.03%	62154	1.040	2509	4.04%
2	6-Jan-92	ND#2	63141	2.74%	62154	1.016	987	1.59%
3	13-Jan-92	ND#1	61868	2.57%	62154	0.995	-286	-0.46%
4	13-Jan-92	ND#2	61904	2.41%	62154	0.996	-250	-0.40%
5	17-Jan-92	ND#1	61938	1.48%	62154	0.997	-216	-0.35%
6	17-Jan-92	ND#2	60914	2.50%	62154	0.980	-1240	-1.99%
7	20-Jan-92	TR#1	63081	1.58%	62154	1.015	927	1.49%
8	20-Jan-92	ND#1	63554	2.43%	62154	1.023	1400	2.25%
9	20-Jan-92	ND#2	62499	2.42%	62154	1.006	345	0.56%
10	23-Jan-92	ND#1	61575	2.39%	62154	0.991	-579	-0.93%
11	23-Jan-92	ND#2	61349	2.32%	62154	0.987	-805	-1.29%
12	28-Jan-92	ND#1	61073	1.47%	62153	0.983	-1080	-1.74%
13	28-Jan-92	TR#2	62231	2.96%	62153	1.001	78	0.12%
14	29-Jan-92	TR#1	62440	3.66%	62153	1.005	287	0.46%
15	29-Jan-92	TR#2	63355	1.68%	62153	1.019	1202	1.93%
16	3-Feb-92	TR#1	63023	2.92%	62153	1.014	870	1.40%
17	3-Feb-92	TR#2	61780	1.19%	62153	0.994	-373	-0.60%
18	4-Feb-92	ND#1	61677	1.41%	62153	0.992	-476	-0.77%
19	5-Feb-92	TR#2	62011	1.64%	62153	0.998	-142	-0.23%
20	5-Feb-92	TR#1	62130	2.56%	62153	1.000	-23	-0.04%
21	7-Feb-92	TR#2	62809	1.61%	62153	1.011	656	1.05%
22	10-Feb-92	TR#1	63975	3.09%	62153	1.029	1822	2.93%
23	10-Feb-92	TR#2	62685	1.64%	62153	1.009	532	0.86%
24	11-Feb-92	TR#1	60109	3.12%	62153	0.967	-2044	-3.29%
25	11-Feb-92	TR#1	65642	3.47%	62153	1.056	3489	5.61%
26	11-Feb-92	TR#2	63095	1.68%	62153	1.015	942	1.52%
27	20-Feb-92	ND#1	62474	1.60%	62153	1.005	321	0.52%
28	20-Feb-92	TR#1	62316	2.69%	62153	1.003	163	0.26%
29	21-Feb-92	ND#1	61334	1.63%	62153	0.987	-819	-1.32%

SAVANNAH RIVER
NO DATA REPORTED

RESULTS OF ANALYSIS OF 241-Pu/239-Pu DATA

First Quarter 1992

	REPORTING LABORATORY						SRS
	CSL	LLNL	LANL	MOUND	WHO	RFP	
Mean Error (ppm)	-5	-8	3	-1	-2	0	****
Std. Dev. (ppm)	9.58	9.12	6.29	5.42	10.94	32.86	****
% in Mean (ppm)	8.29	1.50	0.74	2.27	1.07	3.77	****
Mean Error (%)	-0.23%	-0.39%	0.12%	-0.06%	-0.09%	0.01%	****
Std. Dev. (%)	0.45%	0.43%	0.30%	0.26%	0.51%	1.54%	****
% in Mean (%)	0.39%	0.07%	0.03%	0.11%	0.05%	0.18%	****
DIFFERENCE FROM LAST PERIOD							
Diff. in Mean Error (ppm)	*	-8	-1	2	4	-6	****
Diff. in Std. Dev. (ppm)	*	3.73	2.95	0.04	3.68	17.48	****
Diff. in Mean Error (%)	*	-0.37%	-0.06%	0.10%	0.21%	-0.26%	****
Diff. in Std. Dev. (%)	*	0.18%	0.14%	0.01%	0.17%	0.82%	****
Number of Data Points	3	14	10	20	59	29	0

NO DATA REPORTED FOR THIS MEASUREMENT IN THE PREVIOUS PERIOD

*EG&G ROCKY FLATS - CHEM. STDS. LAB.
241-PU/239-PU - 1ST QUARTER 1992*

LAWRENCE LIVERMORE - 241-PU/239-PU
2ND QUARTER 1991 - 1ST QUARTER 1992

LOS ALAMOS - 241-PU/239-PU
2ND QUARTER 1991 - 1ST QUARTER 1992

EG&G MOUND - 241-PU/239-PU
2ND QUARTER 1991 - 1ST QUARTER 1992

*WESTINGHOUSE HANFORD - 241-PU/239-PU
2ND QUARTER 1991 - 1ST QUARTER 1992*

EG&G ROCKY FLATS - ANALYTICAL LAB.
241-PU/239-PU - 3RD QUARTER 1991 - 1ST QUARTER 1992

241-Pu/239-Pu DATA
1ST QUARTER 1992

RFP - CSL

#	Date Measured	Instr. ID	241/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	22-Feb-92	A	2113	0.88%	2123	0.995	-10	-0.47%
2	25-Feb-92	A	2111	0.57%	2122	0.995	-11	-0.52%
3	25-Feb-92	B	2128	0.53%	2122	1.003	6	0.29%

LLNL

#	Date Measured	Instr. ID	241/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	6-Jan-92	1	2137	0.28%	2136	1.000	0	0.01%
2	13-Jan-92	1	2127	0.22%	2134	0.997	-7	-0.33%
3	21-Jan-92	1	2138	0.31%	2132	1.003	6	0.28%
4	24-Jan-92	1	2131	0.19%	2131	1.000	0	0.00%
5	27-Jan-92	1	2135	0.26%	2131	1.002	5	0.23%
6	3-Feb-92	1	2128	0.26%	2129	1.000	-1	-0.03%
7	10-Feb-92	1	2109	0.27%	2127	0.992	-18	-0.85%
8	19-Feb-92	1	2115	0.34%	2124	0.996	-9	-0.42%
9	24-Feb-92	1	2101	0.35%	2123	0.990	-22	-1.04%
10	3-Mar-92	1	2107	0.23%	2120	0.994	-13	-0.62%
11	10-Mar-92	1	2107	0.21%	2118	0.995	-11	-0.52%
12	17-Mar-92	1	2099	0.24%	2116	0.992	-17	-0.81%
13	23-Mar-92	1	2097	0.23%	2115	0.992	-18	-0.83%
14	30-Mar-92	1	2100	0.28%	2113	0.994	-13	-0.60%

LANL

#	Date Measured	Instr. ID	241/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	3-Jan-92	F5	2144	0.10%	2137	1.003	7	0.32%
2	3-Jan-92	F6	2142	0.12%	2137	1.002	5	0.22%
3	16-Jan-92	F5	2144	0.10%	2134	1.005	10	0.49%
4	16-Jan-92	F6	2138	0.10%	2134	1.002	5	0.22%
5	23-Jan-92	F6	2137	0.10%	2132	1.002	5	0.23%
6	30-Jan-92	F5	2117	0.13%	2130	0.994	-13	-0.61%
7	30-Jan-92	F6	2130	0.12%	2130	1.000	0	0.01%
8	26-Feb-92	F6	2125	0.11%	2122	1.002	3	0.15%
9	4-Mar-92	F5	2119	0.11%	2120	1.000	-1	-0.04%
10	5-Mar-92	F6	2125	0.11%	2120	1.002	5	0.23%

241-Pu/239-Pu DATA
1ST QUARTER 1992

EG&G MOUND

#	Date Measured	Instr. ID	241/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	23-Jan-92	GENIE2	2125	0.5%	2132	0.997	-7	-0.31%
2	23-Jan-92	GENIE2	2131	0.5%	2132	1.000	0	-0.02%
3	23-Jan-92	GENIE2	2122	0.6%	2132	0.996	-9	-0.44%
4	23-Jan-92	GENIE2	2130	0.5%	2132	0.999	-2	-0.09%
5	24-Jan-92	GENIE2	2122	0.5%	2131	0.996	-9	-0.44%
6	19-Feb-92	GENIE2	2116	0.5%	2124	0.996	-8	-0.37%
7	19-Feb-92	GENIE2	2119	0.5%	2124	0.998	-5	-0.23%
8	19-Feb-92	GENIE2	2120	0.5%	2124	0.998	-4	-0.20%
9	19-Feb-92	GENIE2	2117	0.5%	2124	0.997	-7	-0.32%
10	20-Feb-92	GENIE2	2130	0.4%	2124	1.003	7	0.31%
11	20-Feb-92	GENIE2	2123	0.5%	2124	1.000	-1	-0.03%
12	20-Feb-92	GENIE2	2129	0.4%	2124	1.003	6	0.26%
13	21-Feb-92	GENIE2	2125	0.4%	2123	1.000	1	0.05%
14	21-Feb-92	GENIE2	2129	0.5%	2123	1.003	6	0.26%
15	21-Feb-92	GENIE2	2123	0.4%	2123	1.000	-1	-0.03%
16	26-Mar-92	GENIE2	2111	0.5%	2114	0.999	-3	-0.15%
17	26-Mar-92	GENIE2	2116	0.5%	2114	1.001	2	0.10%
18	27-Mar-92	GENIE2	2120	0.4%	2114	1.003	7	0.31%
19	27-Mar-92	GENIE2	2120	0.4%	2114	1.003	6	0.29%
20	27-Mar-92	GENIE2	2109	0.5%	2114	0.998	-4	-0.21%

HANFORD

#	Date Measured	Instr. ID	241/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	2-Jan-92	1985	2116	0.36%	2138	0.990	-21	-1.01%
2	2-Jan-92	2424	2129	0.39%	2138	0.996	-9	-0.40%
3	3-Jan-92	2026	2130	0.36%	2137	0.997	-7	-0.33%
4	6-Jan-92	1985	2115	0.38%	2136	0.990	-22	-1.01%
5	6-Jan-92	2424	2138	0.35%	2136	1.001	2	0.07%
6	7-Jan-92	2026	2139	0.33%	2136	1.002	3	0.15%
7	10-Jan-92	2470	2158	0.47%	2135	1.011	23	1.07%
8	13-Jan-92	2026	2133	0.33%	2134	0.999	-1	-0.07%
9	13-Jan-92	2424	2138	0.35%	2134	1.001	3	0.15%
10	13-Jan-92	2470	2151	0.44%	2134	1.008	17	0.78%
11	14-Jan-92	1985	2126	0.34%	2134	0.996	-8	-0.39%
12	15-Jan-92	2424	2133	0.35%	2134	1.000	-1	-0.04%
13	16-Jan-92	2424	2136	0.36%	2134	1.001	3	0.12%
14	20-Jan-92	1985	2104	0.33%	2132	0.986	-29	-1.35%
15	20-Jan-92	2026	2122	0.38%	2132	0.995	-10	-0.48%
16	20-Jan-92	2424	2118	0.34%	2132	0.993	-14	-0.68%
17	21-Jan-92	2470	2150	0.49%	2132	1.009	18	0.86%
18	27-Jan-92	2026	2139	0.33%	2131	1.004	8	0.38%
19	27-Jan-92	1985	2128	0.35%	2131	0.999	-2	-0.10%
20	28-Jan-92	2470	2131	0.49%	2130	1.000	1	0.04%
21	29-Jan-92	2424	2124	0.35%	2130	0.997	-6	-0.29%
22	3-Feb-92	2470	2139	0.45%	2129	1.005	11	0.49%
23	3-Feb-92	1985	2116	0.35%	2129	0.994	-13	-0.61%
24	4-Feb-92	2026	2120	0.37%	2128	0.996	-9	-0.41%
25	4-Feb-92	2424	2118	0.34%	2128	0.995	-10	-0.48%

241-Pu/239-Pu DATA
1ST QUARTER 1992

HANFORD (continued)

#	Date Measured	Instr. ID	241/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
26	5-Feb-92	2026	2134	0.36%	2128	1.003	6	0.28%
27	10-Feb-92	1985	2117	0.35%	2127	0.995	-10	-0.46%
28	10-Feb-92	2026	2118	0.34%	2127	0.996	-8	-0.38%
29	11-Feb-92	2424	2123	0.34%	2126	0.998	-4	-0.18%
30	11-Feb-92	2470	2147	0.52%	2126	1.010	21	0.97%
31	18-Feb-92	2470	2125	0.43%	2124	1.001	1	0.06%
32	18-Feb-92	2424	2118	0.31%	2124	0.997	-6	-0.30%
33	19-Feb-92	1985	2111	0.34%	2124	0.994	-13	-0.61%
34	19-Feb-92	2026	2125	0.35%	2124	1.000	1	0.04%
35	20-Feb-92	2470	2130	0.47%	2124	1.003	6	0.28%
36	20-Feb-92	2026	2110	0.33%	2124	0.994	-14	-0.64%
37	24-Feb-92	2470	2132	0.51%	2123	1.005	10	0.46%
38	24-Feb-92	2026	2114	0.36%	2123	0.996	-9	-0.40%
39	27-Feb-92	2026	2117	0.35%	2122	0.998	-5	-0.21%
40	28-Feb-92	1985	2108	0.39%	2122	0.993	-14	-0.65%
41	2-Mar-92	1985	2107	0.35%	2121	0.994	-13	-0.63%
42	2-Mar-92	2026	2121	0.35%	2121	1.000	1	0.04%
43	3-Mar-92	2424	2123	0.35%	2120	1.001	3	0.12%
44	3-Mar-92	2470	2122	0.49%	2120	1.001	2	0.07%
45	9-Mar-92	2026	2125	0.37%	2119	1.003	6	0.28%
46	9-Mar-92	1985	2114	0.35%	2119	0.998	-4	-0.20%
47	10-Mar-92	2424	2110	0.35%	2118	0.996	-9	-0.40%
48	11-Mar-92	2470	2105	0.49%	2118	0.994	-13	-0.60%
49	11-Mar-92	2470	2129	0.46%	2118	1.005	11	0.52%
50	12-Mar-92	2470	2117	0.45%	2118	1.000	0	-0.02%
51	12-Mar-92	2470	2136	0.49%	2118	1.008	18	0.84%
52	25-Mar-92	1985	2122	0.38%	2114	1.004	7	0.35%
53	25-Mar-92	2026	2103	0.35%	2114	0.995	-11	-0.53%
54	26-Mar-92	2424	2101	0.36%	2114	0.994	-13	-0.61%
55	27-Mar-92	2470	2122	0.45%	2114	1.004	8	0.40%
56	30-Mar-92	2026	2117	0.33%	2113	1.002	4	0.20%
57	30-Mar-92	1985	2110	0.34%	2113	0.999	-3	-0.13%
58	31-Mar-92	2424	2101	0.34%	2113	0.994	-12	-0.56%
59	31-Mar-92	2470	2127	0.50%	2113	1.007	15	0.70%

241-Pu/239-Pu DATA
1ST QUARTER 1992

RFP - ANAL. LAB.

#	Date Measured	Instr. ID	241/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	6-Jan-92	ND#1	2139	0.96%	2136	1.001	3	0.12%
2	6-Jan-92	ND#2	2122	0.78%	2136	0.993	-14	-0.68%
3	13-Jan-92	ND#1	2135	0.93%	2134	1.000	1	0.03%
4	13-Jan-92	ND#2	2159	0.73%	2134	1.012	25	1.15%
5	17-Jan-92	ND#1	2135	0.98%	2133	1.001	2	0.08%
6	17-Jan-92	ND#2	1989	1.42%	2133	0.932	-144	-6.77%
7	20-Jan-92	TR#1	2107	0.86%	2132	0.988	-25	-1.19%
8	20-Jan-92	ND#1	2155	0.95%	2132	1.011	23	1.06%
9	20-Jan-92	ND#2	2129	0.69%	2132	0.998	-3	-0.16%
10	23-Jan-92	ND#1	2141	0.93%	2132	1.004	9	0.44%
11	23-Jan-92	ND#2	2122	0.71%	2132	0.995	-10	-0.45%
12	28-Jan-92	ND#1	2165	0.90%	2130	1.016	35	1.63%
13	28-Jan-92	TR#2	2121	1.38%	2130	0.996	-9	-0.43%
14	29-Jan-92	TR#1	2132	0.87%	2130	1.001	2	0.10%
15	29-Jan-92	TR#2	2125	0.92%	2130	0.998	-5	-0.23%
16	3-Feb-92	TR#1	2108	0.86%	2129	0.990	-21	-0.96%
17	3-Feb-92	TR#2	2120	0.70%	2129	0.996	-9	-0.40%
18	4-Feb-92	ND#1	2129	0.91%	2128	1.000	1	0.04%
19	5-Feb-92	TR#2	2159	1.09%	2128	1.015	31	1.46%
20	5-Feb-92	TR#1	2134	0.85%	2128	1.003	6	0.28%
21	7-Feb-92	TR#2	2126	0.92%	2127	0.999	-1	-0.07%
22	10-Feb-92	TR#1	2132	0.85%	2127	1.003	5	0.26%
23	10-Feb-92	TR#2	2131	0.99%	2127	1.002	4	0.21%
24	11-Feb-92	TR#1	2129	0.91%	2126	1.001	3	0.13%
25	11-Feb-92	TR#1	2121	0.95%	2126	0.998	-5	-0.25%
26	11-Feb-92	TR#2	2134	1.19%	2126	1.004	8	0.36%
27	20-Feb-92	ND#1	2137	1.12%	2124	1.006	13	0.62%
28	20-Feb-92	TR#1	2182	0.91%	2124	1.027	58	2.74%
29	21-Feb-92	ND#1	2150	1.00%	2123	1.012	27	1.25%

SAVANNAH RIVER
NO DATA REPORTED

RESULTS OF ANALYSIS OF 241-Am/239-Pu DATA

First Quarter 1992

REPORTING LABORATORY

	CSL	LLNL	LANL	MOUND	WHO	RFP	SRS
Mean Error (ppm)	-11	-31	-32	5	-24	-5	****
Std. Dev. (ppm)	70.97	3.68	21.97	7.50	9.44	16.60	****
% in Mean (ppm)	17.70	1.46	4.25	6.07	0.99	3.42	****
Mean Error (%)	-0.60%	-1.66%	-1.75%	0.25%	-1.30%	-0.27%	****
Std. Dev. (%)	3.84%	0.20%	1.19%	0.41%	0.51%	0.90%	****
% in Mean (%)	0.97%	0.08%	0.24%	0.33%	0.05%	0.19%	****

DIFFERENCE FROM LAST PERIOD

Diff. in Mean Error (ppm)	*	-1	-12	12	-6	-5	****
Diff. in Std. Dev. (ppm)	*	0.47	6.83	0.77	3.80	-2.17	****
Diff. in Mean Error (%)	*	-0.01%	-0.64%	0.61%	-0.34%	-0.25%	****
Diff. in Std. Dev. (%)	*	0.02%	0.36%	0.04%	0.20%	-0.13%	****
Number of Data Points	3	14	10	20	59	29	0

NO DATA REPORTED FOR THIS MEASUREMENT IN THE PREVIOUS PERIOD

EG&G ROCKY FLATS - CHEM. STDS. LAB.
241-AM/239-PU - 1ST QUARTER 1992

LAWRENCE LIVERMORE - 241-AM/239-PU
2ND QUARTER 1991 - 1ST QUARTER 1992

LOS ALAMOS - 241-AM/239-PU
2ND QUARTER 1991 - 1ST QUARTER 1992

*EG&G MOUND - 241-AM/239-PU
2ND QUARTER 1991 - 1ST QUARTER 1992*

*WESTINGHOUSE HANFORD - 241-AM/239-PU
2ND QUARTER 1991 - 1ST QUARTER 1992*

*EG&G ROCKY FLATS - ANALYTICAL LAB.
241-AM/239-PU - 3RD QUARTER 1991 - 1ST QUARTER 1992*

Am/239-Pu DATA
1ST QUARTER 1992

RFP - CSL

#	Date Measured	Instr. ID	Am/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	22-Feb-92	A	1756	2.08%	1849	0.950	-93	-5.02%
2	25-Feb-92	A	1873	1.50%	1850	1.013	23	1.26%
3	25-Feb-92	B	1886	1.40%	1850	1.019	36	1.95%

LLNL

#	Date Measured	Instr. ID	Am/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	6-Jan-92	1	1807	0.33%	1836	0.984	-29	-1.57%
2	13-Jan-92	1	1806	0.26%	1838	0.983	-32	-1.72%
3	21-Jan-92	1	1802	0.36%	1840	0.980	-38	-2.05%
4	24-Jan-92	1	1817	0.22%	1841	0.987	-24	-1.32%
5	27-Jan-92	1	1814	0.30%	1842	0.985	-27	-1.49%
6	3-Feb-92	1	1813	0.30%	1844	0.983	-31	-1.66%
7	10-Feb-92	1	1812	0.30%	1846	0.982	-34	-1.82%
8	19-Feb-92	1	1818	0.38%	1848	0.984	-30	-1.60%
9	24-Feb-92	1	1813	0.38%	1849	0.981	-36	-1.95%
10	3-Mar-92	1	1822	0.26%	1852	0.984	-29	-1.58%
11	10-Mar-92	1	1828	0.24%	1853	0.986	-26	-1.40%
12	17-Mar-92	1	1823	0.27%	1855	0.982	-33	-1.76%
13	23-Mar-92	1	1827	0.26%	1857	0.984	-30	-1.62%
14	30-Mar-92	1	1827	0.31%	1859	0.983	-32	-1.73%

LANL

#	Date Measured	Instr. ID	Am/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	3-Jan-92	F5	1804	0.68%	1835	0.983	-31	-1.69%
2	3-Jan-92	F6	1782	0.85%	1835	0.971	-53	-2.91%
3	16-Jan-92	F5	1807	0.69%	1839	0.983	-32	-1.73%
4	16-Jan-92	F6	1828	0.70%	1839	0.994	-10	-0.56%
5	23-Jan-92	F6	1774	0.72%	1841	0.964	-67	-3.64%
6	30-Jan-92	F5	1821	0.78%	1843	0.988	-22	-1.18%
7	30-Jan-92	F6	1805	0.79%	1843	0.979	-38	-2.06%
8	26-Feb-92	F6	1831	0.74%	1850	0.990	-19	-1.04%
9	4-Mar-92	F5	1857	0.72%	1852	1.003	5	0.29%
10	5-Mar-92	F6	1798	0.72%	1852	0.971	-54	-2.94%

Am/239-Pu DATA
1ST QUARTER 1992

EG&G MOUND

#	Date Measured	Instr. ID	Am/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	23-Jan-92	GENIE2	1845	1.3%	1841	1.002	4	0.24%
2	23-Jan-92	GENIE2	1852	1.3%	1841	1.006	12	0.63%
3	23-Jan-92	GENIE2	1854	1.4%	1841	1.007	13	0.73%
4	23-Jan-92	GENIE2	1853	1.3%	1841	1.007	12	0.67%
5	24-Jan-92	GENIE2	1842	1.3%	1841	1.001	1	0.06%
6	19-Feb-92	GENIE2	1835	1.5%	1848	0.993	-14	-0.73%
7	19-Feb-92	GENIE2	1859	1.6%	1848	1.006	11	0.58%
8	19-Feb-92	GENIE2	1845	1.4%	1848	0.998	-3	-0.16%
9	19-Feb-92	GENIE2	1856	1.4%	1848	1.005	8	0.45%
10	20-Feb-92	GENIE2	1851	1.5%	1848	1.002	3	0.16%
11	20-Feb-92	GENIE2	1849	1.4%	1848	1.000	0	0.02%
12	20-Feb-92	GENIE2	1851	1.5%	1848	1.001	2	0.13%
13	21-Feb-92	GENIE2	1858	1.4%	1849	1.005	9	0.50%
14	21-Feb-92	GENIE2	1865	1.4%	1849	1.009	17	0.90%
15	21-Feb-92	GENIE2	1857	1.5%	1849	1.005	8	0.46%
16	26-Mar-92	GENIE2	1863	1.7%	1858	1.003	5	0.27%
17	26-Mar-92	GENIE2	1854	1.6%	1858	0.998	-4	-0.21%
18	27-Mar-92	GENIE2	1869	1.5%	1858	1.006	11	0.58%
19	27-Mar-92	GENIE2	1853	1.6%	1858	0.997	-5	-0.28%
20	27-Mar-92	GENIE2	1859	1.6%	1858	1.000	0	0.03%

HANFORD

#	Date Measured	Instr. ID	Am/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	2-Jan-92	1985	1809	0.39%	1835	0.986	-26	-1.43%
2	2-Jan-92	2424	1812	0.42%	1835	0.988	-23	-1.25%
3	3-Jan-92	2026	1817	0.37%	1835	0.990	-18	-0.97%
4	6-Jan-92	1985	1818	0.41%	1836	0.990	-18	-0.98%
5	6-Jan-92	2424	1815	0.38%	1836	0.988	-21	-1.15%
6	7-Jan-92	2026	1814	0.36%	1836	0.988	-22	-1.22%
7	10-Jan-92	2470	1812	0.51%	1837	0.986	-26	-1.39%
8	13-Jan-92	2026	1806	0.36%	1838	0.983	-32	-1.72%
9	13-Jan-92	2424	1825	0.37%	1838	0.993	-13	-0.72%
10	13-Jan-92	2470	1810	0.48%	1838	0.985	-28	-1.52%
11	14-Jan-92	1985	1810	0.37%	1838	0.985	-28	-1.54%
12	15-Jan-92	2424	1819	0.37%	1838	0.989	-19	-1.05%
13	16-Jan-92	2424	1831	0.39%	1839	0.996	-8	-0.43%
14	20-Jan-92	1985	1816	0.36%	1840	0.987	-24	-1.28%
15	20-Jan-92	2026	1820	0.40%	1840	0.989	-20	-1.09%
16	20-Jan-92	2424	1819	0.36%	1840	0.989	-21	-1.13%
17	21-Jan-92	2470	1821	0.53%	1840	0.990	-19	-1.05%
18	27-Jan-92	2026	1816	0.35%	1842	0.986	-26	-1.39%
19	27-Jan-92	1985	1825	0.38%	1842	0.991	-17	-0.91%
20	28-Jan-92	2470	1810	0.53%	1842	0.983	-32	-1.73%
21	29-Jan-92	2424	1830	0.38%	1842	0.993	-12	-0.67%
22	3-Feb-92	2470	1812	0.49%	1844	0.983	-32	-1.74%
23	3-Feb-92	1985	1827	0.38%	1844	0.991	-16	-0.89%
24	4-Feb-92	2026	1831	0.40%	1844	0.993	-13	-0.70%
25	4-Feb-92	2424	1806	0.36%	1844	0.980	-38	-2.04%

Am/239-Pu DATA
1ST QUARTER 1992

HANFORD (continued)

#	Date Measured	Instr. ID	Am/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
26	5-Feb-92	2026	1823	0.39%	1844	0.989	-21	-1.14%
27	10-Feb-92	1985	1829	0.38%	1846	0.991	-16	-0.88%
28	10-Feb-92	2026	1815	0.36%	1846	0.984	-30	-1.64%
29	11-Feb-92	2424	1830	0.36%	1846	0.991	-16	-0.87%
30	11-Feb-92	2470	1822	0.56%	1846	0.987	-23	-1.27%
31	18-Feb-92	2470	1812	0.47%	1848	0.981	-36	-1.93%
32	18-Feb-92	2424	1823	0.33%	1848	0.987	-25	-1.34%
33	19-Feb-92	1985	1823	0.37%	1848	0.986	-25	-1.36%
34	19-Feb-92	2026	1828	0.37%	1848	0.989	-20	-1.09%
35	20-Feb-92	2470	1811	0.51%	1848	0.980	-38	-2.03%
36	20-Feb-92	2026	1820	0.36%	1848	0.985	-29	-1.55%
37	24-Feb-92	2470	1811	0.51%	1849	0.979	-38	-2.05%
38	24-Feb-92	2026	1837	0.38%	1849	0.993	-12	-0.66%
39	27-Feb-92	2026	1823	0.37%	1850	0.986	-27	-1.45%
40	28-Feb-92	1985	1830	0.42%	1850	0.989	-21	-1.12%
41	2-Mar-92	1985	1834	0.38%	1851	0.990	-18	-0.96%
42	2-Mar-92	2026	1840	0.37%	1851	0.994	-11	-0.60%
43	3-Mar-92	2424	1828	0.37%	1852	0.987	-23	-1.26%
44	3-Mar-92	2470	1804	0.53%	1852	0.974	-47	-2.55%
45	9-Mar-92	2026	1834	0.39%	1853	0.990	-19	-1.04%
46	9-Mar-92	1985	1839	0.38%	1853	0.992	-15	-0.79%
47	10-Mar-92	2424	1832	0.37%	1853	0.988	-21	-1.16%
48	11-Mar-92	2470	1808	0.53%	1854	0.975	-46	-2.49%
49	11-Mar-92	2470	1812	0.49%	1854	0.978	-41	-2.23%
50	12-Mar-92	2470	1820	0.48%	1854	0.981	-34	-1.86%
51	12-Mar-92	2470	1821	0.53%	1854	0.982	-33	-1.79%
52	25-Mar-92	1985	1850	0.41%	1858	0.996	-7	-0.40%
53	25-Mar-92	2026	1827	0.37%	1858	0.984	-30	-1.63%
54	26-Mar-92	2424	1838	0.38%	1858	0.989	-20	-1.07%
55	27-Mar-92	2470	1819	0.48%	1858	0.979	-39	-2.10%
56	30-Mar-92	2026	1839	0.35%	1859	0.989	-20	-1.07%
57	30-Mar-92	1985	1841	0.37%	1859	0.990	-18	-0.98%
58	31-Mar-92	2424	1851	0.35%	1859	0.996	-8	-0.42%
59	31-Mar-92	2470	1819	0.54%	1859	0.978	-40	-2.16%

Am/239-Pu DATA
1ST QUARTER 1992

RFP - ANAL. LAB.

#	Date Measured	Instr. ID	Am/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	6-Jan-92	ND#1	1843	1.26%	1836	1.004	7	0.38%
2	6-Jan-92	ND#2	1831	1.23%	1836	0.997	-5	-0.27%
3	13-Jan-92	ND#1	1842	1.15%	1838	1.002	4	0.22%
4	13-Jan-92	ND#2	1837	1.06%	1838	1.000	-1	-0.05%
5	17-Jan-92	ND#1	1848	0.66%	1839	1.005	9	0.49%
6	17-Jan-92	ND#2	1838	1.20%	1839	0.999	-1	-0.05%
7	20-Jan-92	TR#1	1819	0.70%	1840	0.989	-21	-1.13%
8	20-Jan-92	ND#1	1860	0.94%	1840	1.011	20	1.10%
9	20-Jan-92	ND#2	1811	1.14%	1840	0.984	-29	-1.57%
10	23-Jan-92	ND#1	1860	1.01%	1841	1.011	19	1.05%
11	23-Jan-92	ND#2	1812	1.01%	1841	0.984	-29	-1.56%
12	28-Jan-92	ND#1	1834	0.65%	1842	0.996	-8	-0.44%
13	28-Jan-92	TR#2	1839	1.22%	1842	0.998	-3	-0.16%
14	29-Jan-92	TR#1	1812	1.51%	1842	0.984	-30	-1.64%
15	29-Jan-92	TR#2	1842	0.74%	1842	1.000	0	-0.02%
16	3-Feb-92	TR#1	1823	1.09%	1844	0.989	-21	-1.12%
17	3-Feb-92	TR#2	1841	0.54%	1844	0.999	-3	-0.14%
18	4-Feb-92	ND#1	1867	0.60%	1844	1.013	23	1.25%
19	5-Feb-92	TR#2	1829	0.76%	1844	0.992	-15	-0.82%
20	5-Feb-92	TR#1	1826	1.09%	1844	0.990	-18	-0.99%
21	7-Feb-92	TR#2	1827	0.74%	1845	0.990	-18	-0.96%
22	10-Feb-92	TR#1	1809	1.08%	1846	0.980	-37	-1.98%
23	10-Feb-92	TR#2	1846	0.75%	1846	1.000	0	0.02%
24	11-Feb-92	TR#1	1824	1.24%	1846	0.988	-22	-1.18%
25	11-Feb-92	TR#1	1840	1.44%	1846	0.997	-6	-0.32%
26	11-Feb-92	TR#2	1856	0.76%	1846	1.006	10	0.55%
27	20-Feb-92	ND#1	1869	0.71%	1848	1.011	21	1.12%
28	20-Feb-92	TR#1	1843	1.10%	1848	0.997	-5	-0.29%
29	21-Feb-92	ND#1	1861	0.73%	1849	1.007	12	0.67%

SAVANNAH RIVER
NO DATA REPORTED

RESULTS OF ANALYSIS OF PERCENT 238-Pu DATA

First Quarter 1992

REPORTING LABORATORY

	CSL	LLNL	LANL	MOUND	WHO	RFP	SRS
Mean Error (weight %)	0.0009%	-0.0002%	0.0007%	0.0005%	0.0004%	0.0008%	****
Std. Dev. (weight %)	0.0012%	0.0003%	0.0007%	0.0005%	0.0005%	0.0016%	****
% in Mean (weight %)	0.0006%	0.0001%	0.0002%	0.0001%	0.0000%	0.0003%	****
Mean Error (%)	9.53%	-2.48%	7.87%	5.51%	4.25%	8.62%	****
Std. Dev. (%)	12.90%	3.55%	7.09%	5.24%	5.92%	16.83%	****
% in Mean (%)	6.70%	0.70%	1.99%	1.24%	0.51%	2.92%	****

DIFFERENCE FROM LAST PERIOD

Diff. in Mean Error (wt. %)	*	-0.0002%	0.0004%	0.0001%	0.0002%	0.0005%	****
Diff. in Std. Dev. (wt. %)	*	0.0001%	-0.0004%	0.0001%	0.0000%	0.0001%	****
Diff. in Mean Error (%)	*	-2.23%	4.11%	1.45%	1.81%	4.95%	****
Diff. in Std. Dev. (%)	*	1.71%	-5.03%	0.73%	0.66%	1.01%	****
Number of Data Points	3	14	10	20	59	29	0

NO DATA REPORTED FOR THIS MEASUREMENT IN THE PREVIOUS PERIOD

*EG&G ROCKY FLATS - CHEM. STDS. LAB.
PERCENT 238-Pu - 1ST QUARTER 1992*

LAWRENCE LIVERMORE - PERCENT 238-PU
2ND QUARTER 1991 - 1ST QUARTER 1992

LOS ALAMOS - PERCENT 238-PU
2ND QUARTER 1991 - 1ST QUARTER 1992

EG&G MOUND - PERCENT 238-Pu
2ND QUARTER 1991 - 1ST QUARTER 1992

WESTINGHOUSE HANFORD - PERCENT 238-PU
2ND QUARTER 1991 - 1ST QUARTER 1992

EG&G ROCKY FLATS - ANALYTICAL LAB.
 PERCENT 238-PU - 3RD QUARTER 1991 - 1ST QUARTER 1992

WEIGHT PERCENT 238-Pu DATA
1ST QUARTER 1992

RFP - CSL

#	Date Measured	Instr. ID	238-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	22-Feb-92	A	0.0088%	16.47%	0.0092%	0.958	-0.0004%	-4.25%
2	25-Feb-92	A	0.0103%	8.47%	0.0092%	1.115	0.0011%	11.52%
3	25-Feb-92	B	0.0112%	7.80%	0.0092%	1.213	0.0020%	21.31%

LLNL

#	Date Measured	Instr. ID	238-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	6-Jan-92	1	0.0089%	2.80%	0.0092%	0.964	-0.0003%	-3.57%
2	13-Jan-92	1	0.0091%	2.16%	0.0092%	0.986	-0.0001%	-1.38%
3	21-Jan-92	1	0.0094%	2.96%	0.0092%	1.019	0.0002%	1.88%
4	24-Jan-92	1	0.0093%	1.64%	0.0092%	1.008	0.0001%	0.81%
5	27-Jan-92	1	0.0092%	2.55%	0.0092%	0.997	0.0000%	-0.27%
6	3-Feb-92	1	0.0093%	2.52%	0.0092%	1.008	0.0001%	0.83%
7	10-Feb-92	1	0.0090%	2.64%	0.0092%	0.976	-0.0002%	-2.41%
8	19-Feb-92	1	0.0091%	3.37%	0.0092%	0.987	-0.0001%	-1.31%
9	24-Feb-92	1	0.0081%	3.75%	0.0092%	0.879	-0.0011%	-12.14%
10	3-Mar-92	1	0.0092%	2.25%	0.0092%	0.998	0.0000%	-0.19%
11	10-Mar-92	1	0.0089%	2.07%	0.0092%	0.966	-0.0003%	-3.43%
12	17-Mar-92	1	0.0088%	2.41%	0.0092%	0.955	-0.0004%	-4.51%
13	23-Mar-92	1	0.0089%	2.25%	0.0092%	0.966	-0.0003%	-3.41%
14	30-Mar-92	1	0.0087%	2.82%	0.0092%	0.944	-0.0005%	-5.56%

LANL

#	Date Measured	Instr. ID	238-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	3-Jan-92	F5	0.0102%	5.70%	0.0092%	1.105	0.0010%	10.51%
2	3-Jan-92	F6	0.0103%	6.80%	0.0092%	1.116	0.0011%	11.60%
3	16-Jan-92	F5	0.0096%	6.10%	0.0092%	1.040	0.0004%	4.04%
4	16-Jan-92	F6	0.0104%	5.70%	0.0092%	1.127	0.0012%	12.71%
5	23-Jan-92	F6	0.0099%	5.90%	0.0092%	1.073	0.0007%	7.31%
6	30-Jan-92	F5	0.0090%	7.50%	0.0092%	0.976	-0.0002%	-2.43%
7	30-Jan-92	F6	0.0107%	6.10%	0.0092%	1.160	0.0015%	16.00%
8	26-Feb-92	F6	0.0104%	6.00%	0.0092%	1.128	0.0012%	12.81%
9	4-Mar-92	F5	0.0087%	7.10%	0.0092%	0.944	-0.0005%	-5.62%
10	5-Mar-92	F6	0.0103%	5.90%	0.0092%	1.117	0.0011%	11.74%

WEIGHT PERCENT 238-Pu DATA
1ST QUARTER 1992

EG&G MOUND

#	Date Measured	Instr. ID	238-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	23-Jan-92	GENIE2	0.0091%	5.5%	0.0092%	0.985	-0.0001%	-1.54%
2	23-Jan-92	GENIE2	0.0097%	5.3%	0.0092%	1.046	0.0004%	4.61%
3	23-Jan-92	GENIE2	0.0102%	5.2%	0.0092%	1.106	0.0010%	10.64%
4	23-Jan-92	GENIE2	0.0105%	5.9%	0.0092%	1.138	0.0013%	13.80%
5	24-Jan-92	GENIE2	0.0097%	6.2%	0.0092%	1.048	0.0004%	4.77%
6	19-Feb-92	GENIE2	0.0101%	5.2%	0.0092%	1.092	0.0008%	9.19%
7	19-Feb-92	GENIE2	0.0089%	5.9%	0.0092%	0.960	-0.0004%	-3.98%
8	19-Feb-92	GENIE2	0.0103%	5.5%	0.0092%	1.113	0.0010%	11.27%
9	19-Feb-92	GENIE2	0.0095%	5.2%	0.0092%	1.032	0.0003%	3.22%
10	20-Feb-92	GENIE2	0.0094%	5.1%	0.0092%	1.021	0.0002%	2.09%
11	20-Feb-92	GENIE2	0.0100%	4.9%	0.0092%	1.090	0.0008%	8.96%
12	20-Feb-92	GENIE2	0.0104%	4.7%	0.0092%	1.130	0.0012%	13.05%
13	21-Feb-92	GENIE2	0.0093%	5.8%	0.0092%	1.012	0.0001%	1.24%
14	21-Feb-92	GENIE2	0.0102%	5.5%	0.0092%	1.105	0.0010%	10.49%
15	21-Feb-92	GENIE2	0.0102%	4.9%	0.0092%	1.108	0.0010%	10.76%
16	26-Mar-92	GENIE2	0.0093%	5.5%	0.0092%	1.005	0.0000%	0.48%
17	26-Mar-92	GENIE2	0.0094%	6.1%	0.0092%	1.020	0.0002%	1.97%
18	27-Mar-92	GENIE2	0.0099%	6.1%	0.0092%	1.072	0.0007%	7.23%
19	27-Mar-92	GENIE2	0.0093%	5.5%	0.0092%	1.011	0.0001%	1.13%
20	27-Mar-92	GENIE2	0.0093%	6.1%	0.0092%	1.008	0.0001%	0.83%

HANFORD

#	Date Measured	Instr. ID	238-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	2-Jan-92	1985	0.0090%	3.90%	0.0092%	0.975	-0.0002%	-2.49%
2	2-Jan-92	2424	0.0087%	4.18%	0.0092%	0.943	-0.0005%	-5.74%
3	3-Jan-92	2026	0.0103%	3.27%	0.0092%	1.116	0.0011%	11.60%
4	6-Jan-92	1985	0.0089%	4.23%	0.0092%	0.964	-0.0003%	-3.57%
5	6-Jan-92	2424	0.0094%	3.52%	0.0092%	1.019	0.0002%	1.85%
6	7-Jan-92	2026	0.0106%	3.08%	0.0092%	1.149	0.0014%	14.86%
7	10-Jan-92	2470	0.0100%	4.61%	0.0092%	1.084	0.0008%	8.36%
8	13-Jan-92	2026	0.0099%	3.27%	0.0092%	1.073	0.0007%	7.29%
9	13-Jan-92	2424	0.0102%	3.21%	0.0092%	1.105	0.0010%	10.54%
10	13-Jan-92	2470	0.0095%	4.57%	0.0092%	1.030	0.0003%	2.95%
11	14-Jan-92	1985	0.0091%	3.70%	0.0092%	0.986	-0.0001%	-1.38%
12	15-Jan-92	2424	0.0099%	3.32%	0.0092%	1.073	0.0007%	7.29%
13	16-Jan-92	2424	0.0101%	3.40%	0.0092%	1.095	0.0009%	9.46%
14	20-Jan-92	1985	0.0090%	3.65%	0.0092%	0.975	-0.0002%	-2.45%
15	20-Jan-92	2026	0.0100%	3.65%	0.0092%	1.084	0.0008%	8.39%
16	20-Jan-92	2424	0.0101%	3.11%	0.0092%	1.095	0.0009%	9.47%
17	21-Jan-92	2470	0.0102%	4.75%	0.0092%	1.106	0.0010%	10.56%
18	27-Jan-92	2026	0.0100%	3.22%	0.0092%	1.084	0.0008%	8.40%
19	27-Jan-92	1985	0.0100%	3.48%	0.0092%	1.084	0.0008%	8.40%
20	28-Jan-92	2470	0.0094%	5.04%	0.0092%	1.019	0.0002%	1.90%
21	29-Jan-92	2424	0.0093%	3.65%	0.0092%	1.008	0.0001%	0.82%
22	3-Feb-92	2470	0.0104%	4.30%	0.0092%	1.128	0.0012%	12.75%
23	3-Feb-92	1985	0.0095%	3.66%	0.0092%	1.030	0.0003%	3.00%
24	4-Feb-92	2026	0.0103%	3.50%	0.0092%	1.117	0.0011%	11.67%
25	4-Feb-92	2424	0.0089%	3.60%	0.0092%	0.965	-0.0003%	-3.51%

WEIGHT PERCENT 238-Pu DATA
1ST QUARTER 1992

HANFORD (continued)

#	Date Measured	Instr. ID	238-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
26	5-Feb-92	2026	0.0098%	3.61%	0.0092%	1.063	0.0006%	6.25%
27	10-Feb-92	1985	0.0092%	3.75%	0.0092%	0.998	0.0000%	-0.24%
28	10-Feb-92	2026	0.0097%	3.34%	0.0092%	1.052	0.0005%	5.18%
29	11-Feb-92	2424	0.0089%	3.61%	0.0092%	0.965	-0.0003%	-3.49%
30	11-Feb-92	2470	0.0098%	5.20%	0.0092%	1.063	0.0006%	6.27%
31	18-Feb-92	2470	0.0092%	4.58%	0.0092%	0.998	0.0000%	-0.22%
32	18-Feb-92	2424	0.0100%	2.92%	0.0092%	1.085	0.0008%	8.45%
33	19-Feb-92	1985	0.0087%	3.82%	0.0092%	0.944	-0.0005%	-5.64%
34	19-Feb-92	2026	0.0107%	3.17%	0.0092%	1.160	0.0015%	16.05%
35	20-Feb-92	2470	0.0092%	4.98%	0.0092%	0.998	0.0000%	-0.22%
36	20-Feb-92	2026	0.0099%	3.24%	0.0092%	1.074	0.0007%	7.37%
37	24-Feb-92	2470	0.0092%	5.41%	0.0092%	0.998	0.0000%	-0.21%
38	24-Feb-92	2026	0.0097%	3.57%	0.0092%	1.052	0.0005%	5.21%
39	27-Feb-92	2026	0.0107%	3.14%	0.0092%	1.161	0.0015%	16.07%
40	28-Feb-92	1985	0.0092%	4.16%	0.0092%	0.998	0.0000%	-0.20%
41	2-Mar-92	1985	0.0084%	4.05%	0.0092%	0.911	-0.0008%	-8.88%
42	2-Mar-92	2026	0.0099%	3.37%	0.0092%	1.074	0.0007%	7.40%
43	3-Mar-92	2424	0.0093%	3.50%	0.0092%	1.009	0.0001%	0.89%
44	3-Mar-92	2470	0.0094%	4.98%	0.0092%	1.020	0.0002%	1.98%
45	9-Mar-92	2026	0.0103%	3.44%	0.0092%	1.118	0.0011%	11.75%
46	9-Mar-92	1985	0.0091%	3.84%	0.0092%	0.987	-0.0001%	-1.27%
47	10-Mar-92	2424	0.0087%	3.78%	0.0092%	0.944	-0.0005%	-5.60%
48	11-Mar-92	2470	0.0098%	4.98%	0.0092%	1.063	0.0006%	6.33%
49	11-Mar-92	2470	0.0101%	4.41%	0.0092%	1.096	0.0009%	9.59%
50	12-Mar-92	2470	0.0099%	4.41%	0.0092%	1.074	0.0007%	7.42%
51	12-Mar-92	2470	0.0103%	4.66%	0.0092%	1.118	0.0011%	11.76%
52	25-Mar-92	1985	0.0092%	4.10%	0.0092%	0.999	0.0000%	-0.15%
53	25-Mar-92	2026	0.0098%	3.40%	0.0092%	1.064	0.0006%	6.36%
54	26-Mar-92	2424	0.0091%	3.68%	0.0092%	0.988	-0.0001%	-1.23%
55	27-Mar-92	2470	0.0097%	4.52%	0.0092%	1.053	0.0005%	5.28%
56	30-Mar-92	2026	0.0092%	3.45%	0.0092%	0.999	0.0000%	-0.14%
57	30-Mar-92	1985	0.0093%	3.62%	0.0092%	1.009	0.0001%	0.95%
58	31-Mar-92	2424	0.0094%	3.33%	0.0092%	1.020	0.0002%	2.04%
59	31-Mar-92	2470	0.0097%	4.99%	0.0092%	1.053	0.0005%	5.29%

WEIGHT PERCENT 238-Pu DATA
1ST QUARTER 1992

RFP - ANAL. LAB.

#	Date Measured	Instr. ID	238-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	6-Jan-92	ND#1	0.0103%	15.14%	0.0092%	1.112	0.0010%	11.19%
2	6-Jan-92	ND#2	0.0121%	10.95%	0.0092%	1.306	0.0028%	30.58%
3	13-Jan-92	ND#1	0.0105%	14.50%	0.0092%	1.135	0.0012%	13.53%
4	13-Jan-92	ND#2	0.0094%	15.89%	0.0092%	1.014	0.0001%	1.36%
5	17-Jan-92	ND#1	0.0113%	14.85%	0.0092%	1.227	0.0021%	22.65%
6	17-Jan-92	ND#2	0.0096%	11.43%	0.0092%	1.035	0.0003%	3.51%
7	20-Jan-92	TR#1	0.0096%	13.74%	0.0092%	1.043	0.0004%	4.31%
8	20-Jan-92	ND#1	0.0092%	16.57%	0.0092%	1.002	0.0000%	0.21%
9	20-Jan-92	ND#2	0.0085%	14.30%	0.0092%	0.922	-0.0007%	-7.80%
10	23-Jan-92	ND#1	0.0067%	22.09%	0.0092%	0.730	-0.0025%	-26.98%
11	23-Jan-92	ND#2	0.0112%	13.07%	0.0092%	1.217	0.0020%	21.72%
12	28-Jan-92	ND#1	0.0123%	11.87%	0.0092%	1.329	0.0030%	32.92%
13	28-Jan-92	TR#2	0.0108%	20.59%	0.0092%	1.166	0.0015%	16.57%
14	29-Jan-92	TR#1	0.0090%	15.91%	0.0092%	0.973	-0.0002%	-2.71%
15	29-Jan-92	TR#2	0.0088%	16.78%	0.0092%	0.952	-0.0004%	-4.82%
16	3-Feb-92	TR#1	0.0102%	14.42%	0.0092%	1.104	0.0010%	10.42%
17	3-Feb-92	TR#2	0.0089%	13.20%	0.0092%	0.964	-0.0003%	-3.65%
18	4-Feb-92	ND#1	0.0103%	13.70%	0.0092%	1.116	0.0011%	11.57%
19	5-Feb-92	TR#2	0.0075%	21.16%	0.0092%	0.811	-0.0017%	-18.88%
20	5-Feb-92	TR#1	0.0100%	13.76%	0.0092%	1.085	0.0008%	8.49%
21	7-Feb-92	TR#2	0.0122%	12.09%	0.0092%	1.328	0.0030%	32.77%
22	10-Feb-92	TR#1	0.0116%	11.82%	0.0092%	1.255	0.0024%	25.54%
23	10-Feb-92	TR#2	0.0117%	14.09%	0.0092%	1.267	0.0025%	26.71%
24	11-Feb-92	TR#1	0.0067%	25.23%	0.0092%	0.722	-0.0026%	-27.85%
25	11-Feb-92	TR#1	0.0121%	13.72%	0.0092%	1.314	0.0029%	31.41%
26	11-Feb-92	TR#2	0.0098%	17.30%	0.0092%	1.064	0.0006%	6.40%
27	20-Feb-92	ND#1	0.0088%	18.31%	0.0092%	0.953	-0.0004%	-4.67%
28	20-Feb-92	TR#1	0.0114%	13.84%	0.0092%	1.237	0.0022%	23.73%
29	21-Feb-92	ND#1	0.0103%	15.08%	0.0092%	1.117	0.0011%	11.67%

SAVANNAH RIVER
NO DATA REPORTED

RESULTS OF ANALYSIS OF PERCENT 239-Pu DATA

First Quarter 1992

REPORTING LABORATORY

	CSL	LLNL	LANL	MOUND	WHO	RFP	SRS
Mean Error (weight %)	0.0725%	0.4061%	0.4114%	0.0904%	-0.0432%	-0.0119%	****
Std. Dev. (weight %)	0.2266%	0.0181%	0.1119%	0.0908%	0.0458%	0.1007%	****
Change in Mean (weight %)	0.1931%	0.0057%	0.0310%	0.0286%	0.0040%	0.0313%	****
Mean Error (%)	0.08%	0.43%	0.44%	0.10%	-0.05%	-0.01%	****
Std. Dev. (%)	0.24%	0.02%	0.12%	0.10%	0.05%	0.11%	****
Change in Mean (%)	0.21%	0.01%	0.03%	0.03%	0.00%	0.03%	****

DIFFERENCE FROM LAST PERIOD

Change in Mean Error (wt. %)	*	0.0160%	0.0240%	0.0908%	0.0143%	-0.0350%	****
Change in Std. Dev. (wt. %)	*	-0.0152%	-0.0107%	0.0308%	0.0211%	-0.0005%	****
Change in Mean Error (%)	*	0.01%	0.03%	0.10%	0.01%	-0.03%	****
Change in Std. Dev. (%)	*	-0.02%	-0.01%	0.04%	0.02%	0.00%	****
Number of Data Points	3	14	10	20	59	29	0

NO DATA REPORTED FOR THIS MEASUREMENT IN THE PREVIOUS PERIOD

*EG&G ROCKY FLATS - CHEM. STDS. LAB.
PERCENT 239-PU - 1ST QUARTER 1992*

LAWRENCE LIVERMORE - PERCENT 239-PU
2ND QUARTER 1991 - 1ST QUARTER 1992

LOS ALAMOS - PERCENT 239-PU
2ND QUARTER 1991 - 1ST QUARTER 1992

EG&G MOUND - PERCENT 239-Pu
2ND QUARTER 1991 - 1ST QUARTER 1992

WESTINGHOUSE HANFORD - PERCENT 239-PU
2ND QUARTER 1991 - 1ST QUARTER 1992

*EG&G ROCKY FLATS - ANALYTICAL LAB.
PERCENT 239-Pu - 3RD QUARTER 1991 - 1ST QUARTER 1992*

WEIGHT PERCENT 239-Pu DATA
1ST QUARTER 1992

RFP - CSL

#	Date Measured	Instr. ID	239-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	22-Feb-92	A	94.1835%	0.43%	93.9000%	1.003	0.2835%	0.30%
2	25-Feb-92	A	94.0011%	0.31%	93.9001%	1.001	0.1010%	0.11%
3	25-Feb-92	B	93.7331%	0.31%	93.9001%	0.998	-0.1670%	-0.18%

LLNL

#	Date Measured	Instr. ID	239-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	6-Jan-92	1	93.8900%	0.02%	93.5049%	1.004	0.3851%	0.41%
2	13-Jan-92	1	93.8800%	0.02%	93.5051%	1.004	0.3749%	0.40%
3	21-Jan-92	1	93.9200%	0.03%	93.5053%	1.004	0.4147%	0.44%
4	24-Jan-92	1	93.8900%	0.02%	93.5054%	1.004	0.3846%	0.41%
5	27-Jan-92	1	93.9000%	0.02%	93.5055%	1.004	0.3945%	0.42%
6	3-Feb-92	1	93.9100%	0.02%	93.5057%	1.004	0.4043%	0.43%
7	10-Feb-92	1	93.9200%	0.02%	93.5059%	1.004	0.4141%	0.44%
8	19-Feb-92	1	93.9100%	0.03%	93.5061%	1.004	0.4039%	0.43%
9	24-Feb-92	1	93.9500%	0.03%	93.5062%	1.005	0.4438%	0.47%
10	3-Mar-92	1	93.9300%	0.02%	93.5064%	1.005	0.4236%	0.45%
11	10-Mar-92	1	93.9300%	0.02%	93.5066%	1.005	0.4234%	0.45%
12	17-Mar-92	1	93.9100%	0.02%	93.5068%	1.004	0.4032%	0.43%
13	23-Mar-92	1	93.9100%	0.02%	93.5070%	1.004	0.4030%	0.43%
14	30-Mar-92	1	93.9200%	0.02%	93.5071%	1.004	0.4129%	0.44%

LANL

#	Date Measured	Instr. ID	239-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	3-Jan-92	F5	93.9400%	0.10%	93.5049%	1.005	0.4351%	0.47%
2	3-Jan-92	F6	94.1200%	0.12%	93.5049%	1.007	0.6151%	0.66%
3	16-Jan-92	F5	93.8500%	0.10%	93.5052%	1.004	0.3448%	0.37%
4	16-Jan-92	F6	94.0500%	0.10%	93.5052%	1.006	0.5448%	0.58%
5	23-Jan-92	F6	93.7600%	0.10%	93.5054%	1.003	0.2546%	0.27%
6	30-Jan-92	F5	93.8400%	0.11%	93.5056%	1.004	0.3344%	0.36%
7	30-Jan-92	F6	93.9100%	0.11%	93.5056%	1.004	0.4044%	0.43%
8	26-Feb-92	F6	93.8800%	0.10%	93.5063%	1.004	0.3737%	0.40%
9	4-Mar-92	F5	93.8200%	0.10%	93.5065%	1.003	0.3135%	0.34%
10	5-Mar-92	F6	94.0000%	0.10%	93.5065%	1.005	0.4935%	0.53%

WEIGHT PERCENT 239-Pu DATA
1ST QUARTER 1992

EG&G MOUND

#	Date Measured	Instr. ID	239-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	23-Jan-92	GENIE2	93.9429%	0.1%	93.8992%	1.000	0.0437%	0.05%
2	23-Jan-92	GENIE2	94.1876%	0.1%	93.8992%	1.003	0.2884%	0.31%
3	23-Jan-92	GENIE2	94.0385%	0.1%	93.8992%	1.001	0.1392%	0.15%
4	23-Jan-92	GENIE2	93.9654%	0.2%	93.8992%	1.001	0.0662%	0.07%
5	24-Jan-92	GENIE2	93.9613%	0.1%	93.8992%	1.001	0.0621%	0.07%
6	19-Feb-92	GENIE2	93.9619%	0.1%	93.8999%	1.001	0.0619%	0.07%
7	19-Feb-92	GENIE2	93.8808%	0.1%	93.8999%	1.000	-0.0191%	-0.02%
8	19-Feb-92	GENIE2	94.0074%	0.1%	93.8999%	1.001	0.1075%	0.11%
9	19-Feb-92	GENIE2	93.9766%	0.1%	93.8999%	1.001	0.0767%	0.08%
10	20-Feb-92	GENIE2	93.9588%	0.1%	93.9000%	1.001	0.0588%	0.06%
11	20-Feb-92	GENIE2	94.1096%	0.1%	93.9000%	1.002	0.2096%	0.22%
12	20-Feb-92	GENIE2	93.9620%	0.1%	93.9000%	1.001	0.0621%	0.07%
13	21-Feb-92	GENIE2	94.0229%	0.1%	93.9000%	1.001	0.1229%	0.13%
14	21-Feb-92	GENIE2	93.8569%	0.1%	93.9000%	1.000	-0.0431%	-0.05%
15	21-Feb-92	GENIE2	94.0855%	0.1%	93.9000%	1.002	0.1855%	0.20%
16	26-Mar-92	GENIE2	94.0022%	0.2%	93.9009%	1.001	0.1013%	0.11%
17	26-Mar-92	GENIE2	93.8732%	0.2%	93.9009%	1.000	-0.0276%	-0.03%
18	27-Mar-92	GENIE2	94.1252%	0.1%	93.9009%	1.002	0.2243%	0.24%
19	27-Mar-92	GENIE2	94.0404%	0.1%	93.9009%	1.001	0.1395%	0.15%
20	27-Mar-92	GENIE2	93.8499%	0.1%	93.9009%	0.999	-0.0510%	-0.05%

HANFORD

#	Date Measured	Instr. ID	239-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	2-Jan-92	1985	93.8694%	0.03%	93.8987%	1.000	-0.0293%	-0.03%
2	2-Jan-92	2424	93.8588%	0.03%	93.8987%	1.000	-0.0399%	-0.04%
3	3-Jan-92	2026	93.8017%	0.03%	93.8987%	0.999	-0.0970%	-0.10%
4	6-Jan-92	1985	93.8766%	0.03%	93.8988%	1.000	-0.0222%	-0.02%
5	6-Jan-92	2424	93.8796%	0.03%	93.8988%	1.000	-0.0192%	-0.02%
6	7-Jan-92	2026	93.8193%	0.03%	93.8988%	0.999	-0.0795%	-0.08%
7	10-Jan-92	2470	93.8274%	0.03%	93.8989%	0.999	-0.0715%	-0.08%
8	13-Jan-92	2026	93.8231%	0.03%	93.8989%	0.999	-0.0758%	-0.08%
9	13-Jan-92	2424	93.8075%	0.03%	93.8989%	0.999	-0.0914%	-0.10%
10	13-Jan-92	2470	93.8581%	0.03%	93.8989%	1.000	-0.0408%	-0.04%
11	14-Jan-92	1985	93.8575%	0.03%	93.8990%	1.000	-0.0415%	-0.04%
12	15-Jan-92	2424	93.8216%	0.03%	93.8990%	0.999	-0.0774%	-0.08%
13	16-Jan-92	2424	93.8187%	0.03%	93.8990%	0.999	-0.0803%	-0.09%
14	20-Jan-92	1985	93.8581%	0.03%	93.8991%	1.000	-0.0410%	-0.04%
15	20-Jan-92	2026	93.7878%	0.03%	93.8991%	0.999	-0.1113%	-0.12%
16	20-Jan-92	2424	93.8275%	0.03%	93.8991%	0.999	-0.0716%	-0.08%
17	21-Jan-92	2470	93.8428%	0.03%	93.8992%	0.999	-0.0564%	-0.06%
18	27-Jan-92	2026	93.8089%	0.03%	93.8993%	0.999	-0.0904%	-0.10%
19	27-Jan-92	1985	93.7896%	0.03%	93.8993%	0.999	-0.1097%	-0.12%
20	28-Jan-92	2470	93.9044%	0.04%	93.8993%	1.000	0.0051%	0.01%
21	29-Jan-92	2424	93.8065%	0.03%	93.8994%	0.999	-0.0929%	-0.10%
22	3-Feb-92	2470	93.8813%	0.04%	93.8995%	1.000	-0.0182%	-0.02%
23	3-Feb-92	1985	93.8900%	0.03%	93.8995%	1.000	-0.0095%	-0.01%
24	4-Feb-92	2026	93.8056%	0.03%	93.8995%	0.999	-0.0939%	-0.10%
25	4-Feb-92	2424	93.8787%	0.03%	93.8995%	1.000	-0.0208%	-0.02%

WEIGHT PERCENT 239-Pu DATA
1ST QUARTER 1992

HANFORD (continued)

#	Date Measured	Instr. ID	239-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
26	5-Feb-92	2026	93.8311%	0.03%	93.8996%	0.999	-0.0685%	-0.07%
27	10-Feb-92	1985	93.8392%	0.03%	93.8997%	0.999	-0.0605%	-0.06%
28	10-Feb-92	2026	93.8571%	0.03%	93.8997%	1.000	-0.0426%	-0.05%
29	11-Feb-92	2424	93.8164%	0.03%	93.8997%	0.999	-0.0833%	-0.09%
30	11-Feb-92	2470	93.8640%	0.05%	93.8997%	1.000	-0.0357%	-0.04%
31	18-Feb-92	2470	93.9663%	0.04%	93.8999%	1.001	0.0664%	0.07%
32	18-Feb-92	2424	93.8342%	0.03%	93.8999%	0.999	-0.0657%	-0.07%
33	19-Feb-92	1985	93.9015%	0.03%	93.8999%	1.000	0.0016%	0.00%
34	19-Feb-92	2026	93.8052%	0.03%	93.8999%	0.999	-0.0947%	-0.10%
35	20-Feb-92	2470	93.9247%	0.04%	93.9000%	1.000	0.0247%	0.03%
36	20-Feb-92	2026	93.9001%	0.03%	93.9000%	1.000	0.0001%	0.00%
37	24-Feb-92	2470	93.8910%	0.04%	93.9001%	1.000	-0.0091%	-0.01%
38	24-Feb-92	2026	93.8185%	0.03%	93.9001%	0.999	-0.0816%	-0.09%
39	27-Feb-92	2026	93.8167%	0.03%	93.9001%	0.999	-0.0834%	-0.09%
40	28-Feb-92	1985	93.8200%	0.03%	93.9002%	0.999	-0.0802%	-0.09%
41	2-Mar-92	1985	93.8402%	0.03%	93.9002%	0.999	-0.0600%	-0.06%
42	2-Mar-92	2026	93.7696%	0.03%	93.9002%	0.999	-0.1306%	-0.14%
43	3-Mar-92	2424	93.8920%	0.03%	93.9003%	1.000	-0.0083%	-0.01%
44	3-Mar-92	2470	93.9848%	0.04%	93.9003%	1.001	0.0845%	0.09%
45	9-Mar-92	2026	93.8170%	0.03%	93.9004%	0.999	-0.0834%	-0.09%
46	9-Mar-92	1985	93.8502%	0.03%	93.9004%	0.999	-0.0502%	-0.05%
47	10-Mar-92	2424	93.8612%	0.03%	93.9005%	1.000	-0.0393%	-0.04%
48	11-Mar-92	2470	93.9238%	0.04%	93.9005%	1.000	0.0233%	0.02%
49	11-Mar-92	2470	93.9438%	0.04%	93.9005%	1.000	0.0433%	0.05%
50	12-Mar-92	2470	93.9040%	0.04%	93.9005%	1.000	0.0035%	0.00%
51	12-Mar-92	2470	93.8942%	0.04%	93.9005%	1.000	-0.0063%	-0.01%
52	25-Mar-92	1985	93.8559%	0.03%	93.9008%	1.000	-0.0449%	-0.05%
53	25-Mar-92	2026	93.8380%	0.03%	93.9008%	0.999	-0.0628%	-0.07%
54	26-Mar-92	2424	93.8840%	0.03%	93.9009%	1.000	-0.0169%	-0.02%
55	27-Mar-92	2470	93.9323%	0.04%	93.9009%	1.000	0.0314%	0.03%
56	30-Mar-92	2026	93.8285%	0.03%	93.9010%	0.999	-0.0725%	-0.08%
57	30-Mar-92	1985	93.8530%	0.03%	93.9010%	0.999	-0.0480%	-0.05%
58	31-Mar-92	2424	93.8464%	0.03%	93.9010%	0.999	-0.0546%	-0.06%
59	31-Mar-92	2470	93.9302%	0.04%	93.9010%	1.000	0.0292%	0.03%

WEIGHT PERCENT 239-Pu DATA
1ST QUARTER 1992

RFP - ANAL. LAB.

#	Date Measured	Instr. ID	239-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	6-Jan-92	ND#1	93.6830%	0.24%	93.8988%	0.998	-0.2157%	-0.23%
2	6-Jan-92	ND#2	93.8182%	0.21%	93.8988%	0.999	-0.0806%	-0.09%
3	13-Jan-92	ND#1	93.9299%	0.19%	93.8989%	1.000	0.0310%	0.03%
4	13-Jan-92	ND#2	93.9265%	0.18%	93.8989%	1.000	0.0275%	0.03%
5	17-Jan-92	ND#1	93.9237%	0.11%	93.8991%	1.000	0.0247%	0.03%
6	17-Jan-92	ND#2	94.0292%	0.18%	93.8991%	1.001	0.1302%	0.14%
7	20-Jan-92	TR#1	93.8275%	0.12%	93.8991%	0.999	-0.0716%	-0.08%
8	20-Jan-92	ND#1	93.7801%	0.19%	93.8991%	0.999	-0.1191%	-0.13%
9	20-Jan-92	ND#2	93.8768%	0.18%	93.8991%	1.000	-0.0224%	-0.02%
10	23-Jan-92	ND#1	93.9598%	0.18%	93.8992%	1.001	0.0605%	0.06%
11	23-Jan-92	ND#2	93.9761%	0.17%	93.8992%	1.001	0.0769%	0.08%
12	28-Jan-92	ND#1	93.9972%	0.11%	93.8993%	1.001	0.0979%	0.10%
13	28-Jan-92	TR#2	93.8995%	0.22%	93.8993%	1.000	0.0001%	0.00%
14	29-Jan-92	TR#1	93.8829%	0.28%	93.8994%	1.000	-0.0165%	-0.02%
15	29-Jan-92	TR#2	93.8013%	0.13%	93.8994%	0.999	-0.0981%	-0.10%
16	3-Feb-92	TR#1	93.8306%	0.22%	93.8995%	0.999	-0.0689%	-0.07%
17	3-Feb-92	TR#2	93.9418%	0.09%	93.8995%	1.000	0.0423%	0.05%
18	4-Feb-92	ND#1	93.9484%	0.11%	93.8995%	1.001	0.0488%	0.05%
19	5-Feb-92	TR#2	93.9182%	0.12%	93.8996%	1.000	0.0186%	0.02%
20	5-Feb-92	TR#1	93.9089%	0.19%	93.8996%	1.000	0.0094%	0.01%
21	7-Feb-92	TR#2	93.8662%	0.12%	93.8996%	1.000	-0.0334%	-0.04%
22	10-Feb-92	TR#1	93.7632%	0.24%	93.8997%	0.999	-0.1365%	-0.15%
23	10-Feb-92	TR#2	93.8772%	0.12%	93.8997%	1.000	-0.0225%	-0.02%
24	11-Feb-92	TR#1	94.1107%	0.23%	93.8997%	1.002	0.2110%	0.22%
25	11-Feb-92	TR#1	93.6167%	0.27%	93.8997%	0.997	-0.2830%	-0.30%
26	11-Feb-92	TR#2	93.8425%	0.13%	93.8997%	0.999	-0.0573%	-0.06%
27	20-Feb-92	ND#1	93.8981%	0.12%	93.9000%	1.000	-0.0019%	0.00%
28	20-Feb-92	TR#1	93.9056%	0.20%	93.9000%	1.000	0.0057%	0.01%
29	21-Feb-92	ND#1	93.9966%	0.12%	93.9000%	1.001	0.0966%	0.10%

SAVANNAH RIVER
NO DATA REPORTED

RESULTS OF ANALYSIS OF PERCENT 240-Pu DATA

First Quarter 1992

REPORTING LABORATORY

	CSL	LLNL	LANL	MOUND	WHO	RFP	SRS
Mean Error (weight %)	-0.0655%	-0.0105%	-0.0156%	-0.0619%	0.0487%	0.0258%	****
Std. Dev. (weight %)	0.2251%	0.0188%	0.1122%	0.0912%	0.0454%	0.1013%	****
% in Mean (weight %)	0.2192%	0.0053%	0.0312%	0.0323%	0.0041%	0.0357%	****
Mean Error (%)	-1.12%	-0.18%	-0.27%	-1.06%	0.83%	0.44%	****
Std. Dev. (%)	3.84%	0.32%	1.91%	1.56%	0.78%	1.73%	****
% in Mean (%)	3.82%	0.09%	0.53%	0.56%	0.07%	0.60%	****

DIFFERENCE FROM LAST PERIOD

% in Mean Error (wt. %)	*	-0.0145%	-0.0231%	-0.0704%	-0.0155%	0.0905%	****
% in Std. Dev. (wt. %)	*	-0.0143%	-0.0098%	0.0319%	0.0213%	-0.0002%	****
% in Mean Error (%)	*	-0.25%	-0.40%	-1.20%	-0.26%	1.54%	****
% in Std. Dev. (%)	*	-0.24%	-0.17%	0.55%	0.37%	0.00%	****
Number of Data Points	3	14	10	20	59	29	0

NO DATA REPORTED FOR THIS MEASUREMENT IN THE PREVIOUS PERIOD

*EG&G ROCKY FLATS - CHEM. STDS. LAB.
PERCENT 240-PU - 1ST QUARTER 1992*

LAWRENCE LIVERMORE - PERCENT 240-PU
 2ND QUARTER 1991 - 1ST QUARTER 1992

LOS ALAMOS - PERCENT 240-PU
2ND QUARTER 1991 - 1ST QUARTER 1992

EG&G MOUND - PERCENT 240-PU 2ND QUARTER 1991 - 1ST QUARTER 1992

WESTINGHOUSE HANFORD - PERCENT 240-PU 2ND QUARTER 1991 - 1ST QUARTER 1992

EG&G ROCKY FLATS - ANALYTICAL LAB.
PERCENT 240-PU - 3RD QUARTER 1991 - 1ST QUARTER 1992

WEIGHT PERCENT 240-Pu DATA
1ST QUARTER 1992

RFP - CSL

#	Date Measured	Instr. ID	240-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	22-Feb-92	A	5.5855%	8.20%	5.8606%	0.953	-0.2752%	-4.70%
2	25-Feb-92	A	5.7670%	5.79%	5.8606%	0.984	-0.0936%	-1.60%
3	25-Feb-92	B	6.0331%	5.52%	5.8606%	1.029	0.1724%	2.94%

LLNL

#	Date Measured	Instr. ID	240-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	6-Jan-92	1	5.8677%	0.37%	5.8606%	1.001	0.0071%	0.12%
2	13-Jan-92	1	5.8810%	0.29%	5.8606%	1.003	0.0204%	0.35%
3	21-Jan-92	1	5.8434%	0.30%	5.8606%	0.997	-0.0172%	-0.29%
4	24-Jan-92	1	5.8728%	0.24%	5.8606%	1.002	0.0122%	0.21%
5	27-Jan-92	1	5.8650%	0.35%	5.8606%	1.001	0.0044%	0.07%
6	3-Feb-92	1	5.8512%	0.34%	5.8606%	0.998	-0.0094%	-0.16%
7	10-Feb-92	1	5.8400%	0.35%	5.8606%	0.996	-0.0206%	-0.35%
8	19-Feb-92	1	5.8536%	0.44%	5.8606%	0.999	-0.0070%	-0.12%
9	24-Feb-92	1	5.8114%	0.44%	5.8606%	0.992	-0.0492%	-0.84%
10	3-Mar-92	1	5.8310%	0.30%	5.8606%	0.995	-0.0296%	-0.51%
11	10-Mar-92	1	5.8290%	0.27%	5.8606%	0.995	-0.0316%	-0.54%
12	17-Mar-92	1	5.8557%	0.31%	5.8606%	0.999	-0.0049%	-0.08%
13	23-Mar-92	1	5.8566%	0.29%	5.8606%	0.999	-0.0040%	-0.07%
14	30-Mar-92	1	5.8435%	0.36%	5.8606%	0.997	-0.0171%	-0.29%

LANL

#	Date Measured	Instr. ID	240-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	3-Jan-92	F5	5.8200%	1.59%	5.8606%	0.993	-0.0406%	-0.69%
2	3-Jan-92	F6	5.6400%	1.98%	5.8606%	0.962	-0.2206%	-3.76%
3	16-Jan-92	F5	5.9000%	1.58%	5.8606%	1.007	0.0394%	0.67%
4	16-Jan-92	F6	5.7100%	1.63%	5.8606%	0.974	-0.1506%	-2.57%
5	23-Jan-92	F6	6.0000%	1.53%	5.8606%	1.024	0.1394%	2.38%
6	30-Jan-92	F5	5.9300%	1.81%	5.8606%	1.012	0.0694%	1.18%
7	30-Jan-92	F6	5.8800%	1.77%	5.8606%	1.003	0.0194%	0.33%
8	26-Feb-92	F6	5.8700%	1.67%	5.8606%	1.002	0.0094%	0.16%
9	4-Mar-92	F5	5.9400%	1.66%	5.8606%	1.014	0.0794%	1.35%
10	5-Mar-92	F6	5.7600%	1.65%	5.8606%	0.983	-0.1006%	-1.72%

**WEIGHT PERCENT 240-Pu DATA
1ST QUARTER 1992**

EG&G MOUND

#	Date Measured	Instr. ID	240-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	23-Jan-92	GENIE2	5.8467%	2.2%	5.8606%	0.998	-0.0140%	-0.24%
2	23-Jan-92	GENIE2	5.6003%	2.5%	5.8606%	0.956	-0.2603%	-4.44%
3	23-Jan-92	GENIE2	5.7501%	2.5%	5.8606%	0.981	-0.1105%	-1.89%
4	23-Jan-92	GENIE2	5.8223%	2.7%	5.8606%	0.993	-0.0383%	-0.65%
5	24-Jan-92	GENIE2	5.8280%	2.5%	5.8606%	0.994	-0.0327%	-0.56%
6	19-Feb-92	GENIE2	5.8276%	2.3%	5.8606%	0.994	-0.0331%	-0.56%
7	19-Feb-92	GENIE2	5.9097%	2.3%	5.8606%	1.008	0.0491%	0.84%
8	19-Feb-92	GENIE2	5.7814%	2.3%	5.8606%	0.986	-0.0792%	-1.35%
9	19-Feb-92	GENIE2	5.8132%	2.3%	5.8606%	0.992	-0.0474%	-0.81%
10	20-Feb-92	GENIE2	5.8300%	2.6%	5.8606%	0.995	-0.0306%	-0.52%
11	20-Feb-92	GENIE2	5.6789%	2.6%	5.8606%	0.969	-0.1817%	-3.10%
12	20-Feb-92	GENIE2	5.8258%	2.5%	5.8606%	0.994	-0.0348%	-0.59%
13	21-Feb-92	GENIE2	5.7663%	2.6%	5.8606%	0.984	-0.0943%	-1.61%
14	21-Feb-92	GENIE2	5.9314%	2.3%	5.8606%	1.012	0.0708%	1.21%
15	21-Feb-92	GENIE2	5.7029%	2.3%	5.8606%	0.973	-0.1577%	-2.69%
16	26-Mar-92	GENIE2	5.7885%	2.7%	5.8606%	0.988	-0.0721%	-1.23%
17	26-Mar-92	GENIE2	5.9171%	2.7%	5.8606%	1.010	0.0564%	0.96%
18	27-Mar-92	GENIE2	5.6637%	2.7%	5.8606%	0.966	-0.1970%	-3.36%
19	27-Mar-92	GENIE2	5.7493%	2.5%	5.8606%	0.981	-0.1114%	-1.90%
20	27-Mar-92	GENIE2	5.9412%	2.3%	5.8606%	1.014	0.0806%	1.37%

HANFORD

#	Date Measured	Instr. ID	240-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	2-Jan-92	1985	5.8985%	0.49%	5.8606%	1.006	0.0379%	0.65%
2	2-Jan-92	2424	5.9081%	0.52%	5.8606%	1.008	0.0475%	0.81%
3	3-Jan-92	2026	5.9633%	0.46%	5.8606%	1.018	0.1027%	1.75%
4	6-Jan-92	1985	5.8915%	0.52%	5.8606%	1.005	0.0309%	0.53%
5	6-Jan-92	2424	5.8858%	0.47%	5.8606%	1.004	0.0252%	0.43%
6	7-Jan-92	2026	5.9448%	0.45%	5.8606%	1.014	0.0842%	1.44%
7	10-Jan-92	2470	5.9354%	0.64%	5.8606%	1.013	0.0748%	1.28%
8	13-Jan-92	2026	5.9570%	0.45%	5.8606%	1.016	0.0964%	1.64%
9	13-Jan-92	2424	5.9060%	0.46%	5.8606%	1.008	0.0454%	0.77%
10	13-Jan-92	2470	5.9060%	0.61%	5.8606%	1.008	0.0454%	0.77%
11	14-Jan-92	1985	5.9093%	0.47%	5.8606%	1.008	0.0487%	0.83%
12	15-Jan-92	2424	5.9436%	0.47%	5.8606%	1.014	0.0830%	1.42%
13	16-Jan-92	2424	5.9461%	0.49%	5.8606%	1.015	0.0855%	1.46%
14	20-Jan-92	1985	5.9109%	0.46%	5.8606%	1.009	0.0503%	0.86%
15	20-Jan-92	2026	5.9784%	0.50%	5.8606%	1.020	0.1178%	2.01%
16	20-Jan-92	2424	5.9389%	0.45%	5.8606%	1.013	0.0783%	1.34%
17	21-Jan-92	2470	5.9206%	0.68%	5.8606%	1.010	0.0600%	1.02%
18	27-Jan-92	2026	5.9558%	0.44%	5.8606%	1.016	0.0952%	1.62%
19	27-Jan-92	1985	5.9759%	0.48%	5.8606%	1.020	0.1153%	1.97%
20	28-Jan-92	2470	5.8616%	0.67%	5.8606%	1.000	0.0010%	0.02%
21	29-Jan-92	2424	5.9600%	0.47%	5.8606%	1.017	0.0994%	1.70%
22	3-Feb-92	2470	5.8830%	0.63%	5.8606%	1.004	0.0224%	0.38%
23	3-Feb-92	1985	5.8774%	0.48%	5.8606%	1.003	0.0168%	0.29%
24	4-Feb-92	2026	5.9605%	0.50%	5.8606%	1.017	0.0999%	1.70%
25	4-Feb-92	2424	5.8891%	0.46%	5.8606%	1.005	0.0285%	0.49%

WEIGHT PERCENT 240-Pu DATA
1ST QUARTER 1992

HANFORD (continued)

#	Date Measured	Instr. ID	240-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
26	5-Feb-92	2026	5.9342%	0.49%	5.8606%	1.013	0.0736%	1.26%
27	10-Feb-92	1985	5.9283%	0.48%	5.8606%	1.012	0.0677%	1.15%
28	10-Feb-92	2026	5.9098%	0.45%	5.8606%	1.008	0.0492%	0.84%
29	11-Feb-92	2424	5.9509%	0.46%	5.8606%	1.015	0.0903%	1.54%
30	11-Feb-92	2470	5.9001%	0.71%	5.8606%	1.007	0.0395%	0.67%
31	18-Feb-92	2470	5.8007%	0.60%	5.8606%	0.990	-0.0599%	-1.02%
32	18-Feb-92	2424	5.9325%	0.41%	5.8606%	1.012	0.0719%	1.23%
33	19-Feb-92	1985	5.8673%	0.47%	5.8606%	1.001	0.0067%	0.11%
34	19-Feb-92	2026	5.9601%	0.47%	5.8606%	1.017	0.0995%	1.70%
35	20-Feb-92	2470	5.8417%	0.65%	5.8606%	0.997	-0.0189%	-0.32%
36	20-Feb-92	2026	5.8674%	0.45%	5.8606%	1.001	0.0068%	0.12%
37	24-Feb-92	2470	5.8752%	0.71%	5.8606%	1.002	0.0146%	0.25%
38	24-Feb-92	2026	5.9488%	0.48%	5.8606%	1.015	0.0882%	1.50%
39	27-Feb-92	2026	5.9493%	0.46%	5.8606%	1.015	0.0887%	1.51%
40	28-Feb-92	1985	5.9484%	0.53%	5.8606%	1.015	0.0878%	1.50%
41	2-Mar-92	1985	5.9289%	0.48%	5.8606%	1.012	0.0683%	1.16%
42	2-Mar-92	2026	5.9965%	0.46%	5.8606%	1.023	0.1359%	2.32%
43	3-Mar-92	2424	5.8748%	0.47%	5.8606%	1.002	0.0142%	0.24%
44	3-Mar-92	2470	5.7823%	0.68%	5.8606%	0.987	-0.0783%	-1.34%
45	9-Mar-92	2026	5.9486%	0.49%	5.8606%	1.015	0.0880%	1.50%
46	9-Mar-92	1985	5.9176%	0.48%	5.8606%	1.010	0.0570%	0.97%
47	10-Mar-92	2424	5.9077%	0.47%	5.8606%	1.008	0.0471%	0.80%
48	11-Mar-92	2470	5.8445%	0.67%	5.8606%	0.997	-0.0161%	-0.28%
49	11-Mar-92	2470	5.8219%	0.63%	5.8606%	0.993	-0.0387%	-0.66%
50	12-Mar-92	2470	5.8630%	0.62%	5.8606%	1.000	0.0024%	0.04%
51	12-Mar-92	2470	5.8705%	0.68%	5.8606%	1.002	0.0099%	0.17%
52	25-Mar-92	1985	5.9112%	0.53%	5.8606%	1.009	0.0506%	0.86%
53	25-Mar-92	2026	5.9302%	0.46%	5.8606%	1.012	0.0696%	1.19%
54	26-Mar-92	2424	5.8852%	0.48%	5.8606%	1.004	0.0246%	0.42%
55	27-Mar-92	2470	5.8345%	0.62%	5.8606%	0.996	-0.0261%	-0.45%
56	30-Mar-92	2026	5.9389%	0.44%	5.8606%	1.013	0.0783%	1.34%
57	30-Mar-92	1985	5.9152%	0.47%	5.8606%	1.009	0.0546%	0.93%
58	31-Mar-92	2424	5.9225%	0.44%	5.8606%	1.011	0.0619%	1.06%
59	31-Mar-92	2470	5.8361%	0.69%	5.8606%	0.996	-0.0245%	-0.42%

WEIGHT PERCENT 240-Pu DATA
1ST QUARTER 1992

RFP - ANAL. LAB.

#	Date Measured	Instr. ID	240-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	6-Jan-92	ND#1	6.0832%	4.15%	5.8606%	1.038	0.2226%	3.80%
2	6-Jan-92	ND#2	5.9486%	3.76%	5.8606%	1.015	0.0880%	1.50%
3	13-Jan-92	ND#1	5.8356%	3.53%	5.8606%	0.996	-0.0250%	-0.43%
4	13-Jan-92	ND#2	5.8388%	3.31%	5.8606%	0.996	-0.0218%	-0.37%
5	17-Jan-92	ND#1	5.8418%	2.03%	5.8606%	0.997	-0.0188%	-0.32%
6	17-Jan-92	ND#2	5.7517%	3.43%	5.8606%	0.981	-0.1089%	-1.86%
7	20-Jan-92	TR#1	5.9435%	2.17%	5.8606%	1.014	0.0829%	1.41%
8	20-Jan-92	ND#1	5.9851%	3.33%	5.8606%	1.021	0.1245%	2.12%
9	20-Jan-92	ND#2	5.8918%	3.32%	5.8606%	1.005	0.0312%	0.53%
10	23-Jan-92	ND#1	5.8098%	3.28%	5.8606%	0.991	-0.0508%	-0.87%
11	23-Jan-92	ND#2	5.7895%	3.18%	5.8606%	0.988	-0.0711%	-1.21%
12	28-Jan-92	ND#1	5.7647%	2.02%	5.8606%	0.984	-0.0959%	-1.64%
13	28-Jan-92	TR#2	5.8679%	4.06%	5.8606%	1.001	0.0073%	0.12%
14	29-Jan-92	TR#1	5.8866%	5.02%	5.8606%	1.004	0.0260%	0.44%
15	29-Jan-92	TR#2	5.9677%	2.30%	5.8606%	1.018	0.1071%	1.83%
16	3-Feb-92	TR#1	5.9383%	4.00%	5.8606%	1.013	0.0776%	1.32%
17	3-Feb-92	TR#2	5.8280%	1.63%	5.8606%	0.994	-0.0326%	-0.56%
18	4-Feb-92	ND#1	5.8187%	1.93%	5.8606%	0.993	-0.0419%	-0.71%
19	5-Feb-92	TR#2	5.8484%	2.25%	5.8606%	0.998	-0.0123%	-0.21%
20	5-Feb-92	TR#1	5.8590%	3.51%	5.8606%	1.000	-0.0016%	-0.03%
21	7-Feb-92	TR#2	5.9203%	2.21%	5.8606%	1.010	0.0597%	1.02%
22	10-Feb-92	TR#1	6.0236%	4.24%	5.8606%	1.028	0.1630%	2.78%
23	10-Feb-92	TR#2	5.9094%	2.25%	5.8606%	1.008	0.0487%	0.83%
24	11-Feb-92	TR#1	5.6806%	4.28%	5.8606%	0.969	-0.1800%	-3.07%
25	11-Feb-92	TR#1	6.1709%	4.75%	5.8606%	1.053	0.3103%	5.29%
26	11-Feb-92	TR#2	5.9458%	2.30%	5.8606%	1.015	0.0852%	1.45%
27	20-Feb-92	ND#1	5.8908%	2.19%	5.8606%	1.005	0.0301%	0.51%
28	20-Feb-92	TR#1	5.8763%	3.69%	5.8606%	1.003	0.0157%	0.27%
29	21-Feb-92	ND#1	5.7893%	2.24%	5.8606%	0.988	-0.0713%	-1.22%

SAVANNAH RIVER
NO DATA REPORTED

RESULTS OF ANALYSIS OF PERCENT 241-Pu DATA

1st Quarter 1992

	REPORTING LABORATORY						
	CSL	LLNL	LANL	MOUND	WHO	RFP	SRS
Mean Error (weight %)	-0.0003%	-0.0008%	0.0003%	0.0001%	-0.0003%	0.0000%	****
Std. Dev. (weight %)	0.0005%	0.0008%	0.0007%	0.0006%	0.0011%	0.0031%	****
Relative Mean Error (weight %)	0.0053%	0.0001%	0.0001%	0.0008%	0.0001%	0.0009%	****
Mean Error (%)	-0.16%	-0.38%	0.14%	0.03%	-0.14%	0.00%	****
Std. Dev. (%)	0.26%	0.42%	0.35%	0.28%	0.52%	1.54%	****
Relative Mean Error (%)	2.65%	0.07%	0.05%	0.40%	0.05%	0.45%	****
DIFFERENCE FROM LAST PERIOD							
Change in Mean Error (wt. %)	*	-0.0007%	0.0000%	0.0004%	0.0004%	0.0019%	****
Change in Std. Dev. (wt. %)	*	0.0003%	0.0003%	0.0001%	0.0004%	0.0016%	****
Change in Mean Error (%)	*	-0.35%	-0.03%	0.19%	0.22%	0.96%	****
Change in Std. Dev. (%)	*	0.18%	0.17%	0.02%	0.19%	0.81%	****
Number of Data Points	3	14	10	20	59	29	0

NO DATA REPORTED FOR THIS MEASUREMENT IN THE PREVIOUS PERIOD

*EG&G ROCKY FLATS - CHEM. STDS. LAB.
PERCENT 241-Pu - 1ST QUARTER 1992*

LAWRENCE LIVERMORE - PERCENT 241-PU
2ND QUARTER 1991 - 1ST QUARTER 1992

LOS ALAMOS - PERCENT 241-PU 2ND QUARTER 1991 - 1ST QUARTER 1992

EG&G MOUND - PERCENT 241-PU
2ND QUARTER - 1ST QUARTER 1992

WESTINGHOUSE HANFORD - PERCENT 241-PU
2ND QUARTER 1991 - 1ST QUARTER 1992

EG&G ROCKY FLATS - ANALYTICAL LAB.
PERCENT 241-Pu - 3RD QUARTER 1991 - 1ST QUARTER 1992

WEIGHT PERCENT 241-Pu DATA
1ST QUARTER 1992

RFP - CSL

#	Date Measured	Instr. ID	241-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	22-Feb-92	A	0.2007%	5.69%	0.2010%	0.998	-0.0003%	-0.17%
2	25-Feb-92	A	0.2001%	4.01%	0.2010%	0.996	-0.0008%	-0.41%
3	25-Feb-92	B	0.2012%	3.81%	0.2010%	1.001	0.0002%	0.11%

LLNL

#	Date Measured	Instr. ID	241-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	6-Jan-92	1	0.2023%	0.28%	0.2023%	1.000	0.0000%	0.00%
2	13-Jan-92	1	0.2014%	0.22%	0.2021%	0.997	-0.0007%	-0.35%
3	21-Jan-92	1	0.2025%	0.31%	0.2019%	1.003	0.0006%	0.30%
4	24-Jan-92	1	0.2018%	0.19%	0.2018%	1.000	0.0000%	-0.01%
5	27-Jan-92	1	0.2022%	0.26%	0.2017%	1.002	0.0005%	0.23%
6	3-Feb-92	1	0.2015%	0.26%	0.2015%	1.000	0.0000%	-0.02%
7	10-Feb-92	1	0.1997%	0.27%	0.2014%	0.992	-0.0017%	-0.82%
8	19-Feb-92	1	0.2003%	0.34%	0.2011%	0.996	-0.0008%	-0.41%
9	24-Feb-92	1	0.1990%	0.35%	0.2010%	0.990	-0.0020%	-0.99%
10	3-Mar-92	1	0.1996%	0.23%	0.2008%	0.994	-0.0012%	-0.59%
11	10-Mar-92	1	0.1996%	0.21%	0.2006%	0.995	-0.0010%	-0.49%
12	17-Mar-92	1	0.1988%	0.24%	0.2004%	0.992	-0.0016%	-0.80%
13	23-Mar-92	1	0.1986%	0.23%	0.2002%	0.992	-0.0016%	-0.82%
14	30-Mar-92	1	0.1989%	0.28%	0.2001%	0.994	-0.0012%	-0.58%

LANL

#	Date Measured	Instr. ID	241-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	3-Jan-92	F5	0.2031%	0.14%	0.2024%	1.004	0.0007%	0.36%
2	3-Jan-92	F6	0.2033%	0.17%	0.2024%	1.005	0.0009%	0.46%
3	16-Jan-92	F5	0.2029%	0.14%	0.2020%	1.004	0.0009%	0.43%
4	16-Jan-92	F6	0.2028%	0.14%	0.2020%	1.004	0.0008%	0.38%
5	23-Jan-92	F6	0.2020%	0.14%	0.2018%	1.001	0.0002%	0.08%
6	30-Jan-92	F5	0.2003%	0.17%	0.2017%	0.993	-0.0014%	-0.67%
7	30-Jan-92	F6	0.2017%	0.16%	0.2017%	1.000	0.0000%	0.02%
8	26-Feb-92	F6	0.2012%	0.15%	0.2009%	1.001	0.0003%	0.13%
9	4-Mar-92	F5	0.2005%	0.15%	0.2007%	0.999	-0.0002%	-0.12%
10	5-Mar-92	F6	0.2014%	0.15%	0.2007%	1.003	0.0007%	0.34%

WEIGHT PERCENT 241-Pu DATA
1ST QUARTER 1992

EG&G MOUND

#	Date Measured	Instr. ID	241-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	23-Jan-92	GENIE2	0.2013%	1.6%	0.2018%	0.997	-0.0005%	-0.26%
2	23-Jan-92	GENIE2	0.2024%	1.8%	0.2018%	1.003	0.0006%	0.29%
3	23-Jan-92	GENIE2	0.2012%	1.8%	0.2018%	0.997	-0.0006%	-0.29%
4	23-Jan-92	GENIE2	0.2018%	1.9%	0.2018%	1.000	0.0000%	-0.02%
5	24-Jan-92	GENIE2	0.2010%	1.8%	0.2018%	0.996	-0.0008%	-0.38%
6	19-Feb-92	GENIE2	0.2005%	1.7%	0.2011%	0.997	-0.0006%	-0.30%
7	19-Feb-92	GENIE2	0.2006%	1.7%	0.2011%	0.997	-0.0005%	-0.25%
8	19-Feb-92	GENIE2	0.2009%	1.7%	0.2011%	0.999	-0.0002%	-0.09%
9	19-Feb-92	GENIE2	0.2006%	1.7%	0.2011%	0.998	-0.0005%	-0.24%
10	20-Feb-92	GENIE2	0.2018%	1.8%	0.2011%	1.004	0.0007%	0.37%
11	20-Feb-92	GENIE2	0.2015%	1.9%	0.2011%	1.002	0.0004%	0.20%
12	20-Feb-92	GENIE2	0.2018%	1.7%	0.2011%	1.003	0.0007%	0.33%
13	21-Feb-92	GENIE2	0.2014%	1.8%	0.2011%	1.002	0.0004%	0.18%
14	21-Feb-92	GENIE2	0.2015%	1.7%	0.2011%	1.002	0.0004%	0.21%
15	21-Feb-92	GENIE2	0.2014%	1.6%	0.2011%	1.002	0.0003%	0.17%
16	26-Mar-92	GENIE2	0.2001%	1.9%	0.2002%	1.000	-0.0001%	-0.04%
17	26-Mar-92	GENIE2	0.2003%	1.9%	0.2002%	1.001	0.0001%	0.07%
18	27-Mar-92	GENIE2	0.2012%	1.9%	0.2001%	1.006	0.0011%	0.55%
19	27-Mar-92	GENIE2	0.2010%	1.7%	0.2001%	1.004	0.0009%	0.43%
20	27-Mar-92	GENIE2	0.1996%	1.7%	0.2001%	0.997	-0.0005%	-0.27%

HANFORD

#	Date Measured	Instr. ID	241-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	2-Jan-92	1985	0.2003%	0.36%	0.2024%	0.990	-0.0021%	-1.04%
2	2-Jan-92	2424	0.2015%	0.39%	0.2024%	0.996	-0.0009%	-0.44%
3	3-Jan-92	2026	0.2015%	0.36%	0.2024%	0.996	-0.0009%	-0.43%
4	6-Jan-92	1985	0.2002%	0.38%	0.2023%	0.990	-0.0021%	-1.03%
5	6-Jan-92	2424	0.2024%	0.35%	0.2023%	1.001	0.0001%	0.05%
6	7-Jan-92	2026	0.2024%	0.33%	0.2023%	1.001	0.0001%	0.07%
7	10-Jan-92	2470	0.2042%	0.47%	0.2022%	1.010	0.0020%	1.00%
8	13-Jan-92	2026	0.2018%	0.33%	0.2021%	0.998	-0.0003%	-0.15%
9	13-Jan-92	2424	0.2022%	0.35%	0.2021%	1.000	0.0001%	0.05%
10	13-Jan-92	2470	0.2036%	0.44%	0.2021%	1.007	0.0015%	0.74%
11	14-Jan-92	1985	0.2012%	0.34%	0.2021%	0.996	-0.0009%	-0.43%
12	15-Jan-92	2424	0.2018%	0.35%	0.2021%	0.999	-0.0003%	-0.12%
13	16-Jan-92	2424	0.2021%	0.36%	0.2020%	1.000	0.0001%	0.04%
14	20-Jan-92	1985	0.1991%	0.33%	0.2019%	0.986	-0.0028%	-1.40%
15	20-Jan-92	2026	0.2007%	0.38%	0.2019%	0.994	-0.0012%	-0.60%
16	20-Jan-92	2424	0.2004%	0.34%	0.2019%	0.992	-0.0015%	-0.75%
17	21-Jan-92	2470	0.2035%	0.49%	0.2019%	1.008	0.0016%	0.80%
18	27-Jan-92	2026	0.2023%	0.33%	0.2017%	1.003	0.0006%	0.28%
19	27-Jan-92	1985	0.2013%	0.35%	0.2017%	0.998	-0.0004%	-0.21%
20	28-Jan-92	2470	0.2018%	0.49%	0.2017%	1.000	0.0001%	0.05%
21	29-Jan-92	2424	0.2009%	0.35%	0.2017%	0.996	-0.0008%	-0.39%
22	3-Feb-92	2470	0.2025%	0.45%	0.2015%	1.005	0.0010%	0.47%
23	3-Feb-92	1985	0.2003%	0.35%	0.2015%	0.994	-0.0012%	-0.62%
24	4-Feb-92	2026	0.2005%	0.37%	0.2015%	0.995	-0.0010%	-0.51%
25	4-Feb-92	2424	0.2005%	0.34%	0.2015%	0.995	-0.0010%	-0.51%

WEIGHT PERCENT 241-Pu DATA
1ST QUARTER 1992

HANFORD (continued)

#	Date Measured	Instr. ID	241-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
26	5-Feb-92	2026	0.2019%	0.36%	0.2015%	1.002	0.0004%	0.20%
27	10-Feb-92	1985	0.2003%	0.35%	0.2014%	0.995	-0.0011%	-0.53%
28	10-Feb-92	2026	0.2005%	0.34%	0.2014%	0.996	-0.0009%	-0.43%
29	11-Feb-92	2424	0.2008%	0.34%	0.2013%	0.997	-0.0005%	-0.26%
30	11-Feb-92	2470	0.2032%	0.52%	0.2013%	1.009	0.0019%	0.93%
31	18-Feb-92	2470	0.2014%	0.43%	0.2011%	1.001	0.0003%	0.13%
32	18-Feb-92	2424	0.2004%	0.31%	0.2011%	0.996	-0.0007%	-0.37%
33	19-Feb-92	1985	0.1999%	0.34%	0.2011%	0.994	-0.0012%	-0.61%
34	19-Feb-92	2026	0.2010%	0.35%	0.2011%	0.999	-0.0001%	-0.06%
35	20-Feb-92	2470	0.2017%	0.47%	0.2011%	1.003	0.0006%	0.30%
36	20-Feb-92	2026	0.1998%	0.33%	0.2011%	0.994	-0.0013%	-0.64%
37	24-Feb-92	2470	0.2019%	0.51%	0.2010%	1.005	0.0009%	0.45%
38	24-Feb-92	2026	0.2000%	0.36%	0.2010%	0.995	-0.0010%	-0.49%
39	27-Feb-92	2026	0.2003%	0.35%	0.2009%	0.997	-0.0006%	-0.30%
40	28-Feb-92	1985	0.1994%	0.39%	0.2009%	0.993	-0.0015%	-0.74%
41	2-Mar-92	1985	0.1994%	0.35%	0.2008%	0.993	-0.0014%	-0.70%
42	2-Mar-92	2026	0.2006%	0.35%	0.2008%	0.999	-0.0002%	-0.10%
43	3-Mar-92	2424	0.2010%	0.35%	0.2008%	1.001	0.0002%	0.11%
44	3-Mar-92	2470	0.2011%	0.49%	0.2008%	1.002	0.0003%	0.16%
45	9-Mar-92	2026	0.2010%	0.37%	0.2006%	1.002	0.0004%	0.19%
46	9-Mar-92	1985	0.2001%	0.35%	0.2006%	0.997	-0.0005%	-0.26%
47	10-Mar-92	2424	0.1997%	0.35%	0.2006%	0.996	-0.0009%	-0.44%
48	11-Mar-92	2470	0.1994%	0.49%	0.2006%	0.994	-0.0012%	-0.58%
49	11-Mar-92	2470	0.2017%	0.46%	0.2006%	1.006	0.0011%	0.57%
50	12-Mar-92	2470	0.2005%	0.45%	0.2005%	1.000	0.0000%	-0.02%
51	12-Mar-92	2470	0.2022%	0.49%	0.2005%	1.008	0.0017%	0.83%
52	25-Mar-92	1985	0.2008%	0.38%	0.2002%	1.003	0.0006%	0.30%
53	25-Mar-92	2026	0.1990%	0.35%	0.2002%	0.994	-0.0012%	-0.60%
54	26-Mar-92	2424	0.1989%	0.36%	0.2002%	0.994	-0.0013%	-0.63%
55	27-Mar-92	2470	0.2010%	0.45%	0.2001%	1.004	0.0009%	0.43%
56	30-Mar-92	2026	0.2003%	0.33%	0.2001%	1.001	0.0002%	0.12%
57	30-Mar-92	1985	0.1997%	0.34%	0.2001%	0.998	-0.0004%	-0.18%
58	31-Mar-92	2424	0.1988%	0.34%	0.2000%	0.994	-0.0012%	-0.62%
59	31-Mar-92	2470	0.2015%	0.50%	0.2000%	1.007	0.0015%	0.73%

WEIGHT PERCENT 241-Pu DATA
1ST QUARTER 1992

RFP - ANAL. LAB.

#	Date Measured	Instr. ID	241-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	6-Jan-92	ND#1	0.2021%	3.00%	0.2023%	0.999	-0.0002%	-0.11%
2	6-Jan-92	ND#2	0.2008%	2.69%	0.2023%	0.992	-0.0015%	-0.76%
3	13-Jan-92	ND#1	0.2022%	2.59%	0.2021%	1.001	0.0001%	0.06%
4	13-Jan-92	ND#2	0.2045%	2.38%	0.2021%	1.012	0.0024%	1.18%
5	17-Jan-92	ND#1	0.2022%	1.70%	0.2020%	1.001	0.0002%	0.10%
6	17-Jan-92	ND#2	0.1886%	2.75%	0.2020%	0.934	-0.0134%	-6.64%
7	20-Jan-92	TR#1	0.1994%	1.71%	0.2019%	0.987	-0.0026%	-1.27%
8	20-Jan-92	ND#1	0.2038%	2.47%	0.2019%	1.009	0.0019%	0.93%
9	20-Jan-92	ND#2	0.2015%	2.37%	0.2019%	0.998	-0.0004%	-0.19%
10	23-Jan-92	ND#1	0.2029%	2.43%	0.2018%	1.005	0.0010%	0.50%
11	23-Jan-92	ND#2	0.2011%	2.29%	0.2018%	0.996	-0.0007%	-0.37%
12	28-Jan-92	ND#1	0.2052%	1.65%	0.2017%	1.017	0.0035%	1.74%
13	28-Jan-92	TR#2	0.2008%	3.10%	0.2017%	0.996	-0.0009%	-0.43%
14	29-Jan-92	TR#1	0.2018%	3.54%	0.2017%	1.001	0.0002%	0.08%
15	29-Jan-92	TR#2	0.2010%	1.82%	0.2017%	0.997	-0.0007%	-0.34%
16	3-Feb-92	TR#1	0.1995%	2.87%	0.2015%	0.990	-0.0021%	-1.04%
17	3-Feb-92	TR#2	0.2008%	1.32%	0.2015%	0.996	-0.0007%	-0.36%
18	4-Feb-92	ND#1	0.2017%	1.61%	0.2015%	1.001	0.0002%	0.09%
19	5-Feb-92	TR#2	0.2045%	1.89%	0.2015%	1.015	0.0030%	1.48%
20	5-Feb-92	TR#1	0.2021%	2.55%	0.2015%	1.003	0.0006%	0.29%
21	7-Feb-92	TR#2	0.2012%	1.77%	0.2014%	0.999	-0.0002%	-0.10%
22	10-Feb-92	TR#1	0.2016%	3.02%	0.2014%	1.001	0.0002%	0.11%
23	10-Feb-92	TR#2	0.2017%	1.83%	0.2014%	1.002	0.0004%	0.18%
24	11-Feb-92	TR#1	0.2020%	3.07%	0.2013%	1.004	0.0007%	0.35%
25	11-Feb-92	TR#1	0.2002%	3.38%	0.2013%	0.995	-0.0011%	-0.55%
26	11-Feb-92	TR#2	0.2019%	1.98%	0.2013%	1.003	0.0006%	0.30%
27	20-Feb-92	ND#1	0.2023%	1.87%	0.2011%	1.006	0.0013%	0.62%
28	20-Feb-92	TR#1	0.2066%	2.68%	0.2011%	1.027	0.0055%	2.75%
29	21-Feb-92	ND#1	0.2038%	1.83%	0.2011%	1.014	0.0027%	1.35%

SAVANNAH RIVER
NO DATA REPORTED

RESULTS OF ANALYSIS OF PERCENT 241-Am DATA

First Quarter 1992

REPORTING LABORATORY

	CSL	LLNL	LANL	MOUND	WHO	RFP	SRS
Mean Error (weight %)	-0.0009%	-0.0029%	-0.0030%	0.0006%	-0.0024%	-0.0005%	****
Std. Dev. (weight %)	0.0064%	0.0003%	0.0021%	0.0008%	0.0008%	0.0016%	****
% Change in Mean (weight %)	0.0048%	0.0001%	0.0004%	0.0009%	0.0001%	0.0008%	****
Mean Error (%)	-0.53%	-1.65%	-1.73%	0.35%	-1.35%	-0.28%	****
Std. Dev. (%)	3.64%	0.19%	1.18%	0.43%	0.47%	0.91%	****
% Change in Mean (%)	2.79%	0.08%	0.24%	0.50%	0.05%	0.45%	****

DIFFERENCE FROM LAST PERIOD

% Change in Mean Error (wt. %)	*	0.0000%	-0.0011%	0.0012%	-0.0006%	0.0017%	****
% Change in Std. Dev. (wt. %)	*	0.0000%	0.0006%	0.0001%	0.0003%	-0.0002%	****
% Change in Mean Error (%)	*	0.01%	-0.61%	0.71%	-0.33%	0.97%	****
% Change in Std. Dev. (%)	*	0.03%	0.33%	0.05%	0.16%	-0.12%	****
Number of Data Points	3	14	10	20	59	29	0

NO DATA REPORTED FOR THIS MEASUREMENT IN THE PREVIOUS PERIOD

EG&G ROCKY FLATS - CHEM. STDS. LAB.
PERCENT 241-AM - 1ST QUARTER 1992

LAWRENCE LIVERMORE - PERCENT 241-AM
2ND QUARTER 1991 - 1ST QUARTER 1992

LOS ALAMOS - PERCENT 241-AM 2ND QUARTER 1991 - 1ST QUARTER 1992

EG&G MOUND - PERCENT 241-AM 2ND QUARTER 1991 - 1ST QUARTER 1992

WESTINGHOUSE HANFORD - PERCENT 241-AM
2ND QUARTER - 1ST QUARTER 1992

EG&G ROCKY FLATS -- ANALYTICAL LAB.
 PERCENT 241-AM -- 3RD QUARTER 1991 -- 1ST QUARTER 1992

WEIGHT PERCENT 241-Am DATA
1ST QUARTER 1992

RFP - CSL

#	Date Measured	Instr. ID	241-Am	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	22-Feb-92	A	0.1668%	6.00%	0.1751%	0.953	-0.0083%	-4.73%
2	25-Feb-92	A	0.1775%	4.24%	0.1751%	1.014	0.0024%	1.37%
3	25-Feb-92	B	0.1782%	4.03%	0.1751%	1.018	0.0031%	1.77%

LLNL

#	Date Measured	Instr. ID	241-Am	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	6-Jan-92	1	0.1711%	0.33%	0.1738%	0.984	-0.0027%	-1.58%
2	13-Jan-92	1	0.1710%	0.26%	0.1740%	0.983	-0.0030%	-1.74%
3	21-Jan-92	1	0.1707%	0.36%	0.1742%	0.980	-0.0035%	-2.03%
4	24-Jan-92	1	0.1720%	0.22%	0.1743%	0.987	-0.0023%	-1.33%
5	27-Jan-92	1	0.1718%	0.30%	0.1744%	0.985	-0.0026%	-1.48%
6	3-Feb-92	1	0.1717%	0.30%	0.1746%	0.984	-0.0029%	-1.64%
7	10-Feb-92	1	0.1716%	0.30%	0.1748%	0.982	-0.0032%	-1.80%
8	19-Feb-92	1	0.1722%	0.38%	0.1750%	0.984	-0.0028%	-1.59%
9	24-Feb-92	1	0.1718%	0.38%	0.1751%	0.981	-0.0033%	-1.89%
10	3-Mar-92	1	0.1726%	0.26%	0.1753%	0.984	-0.0027%	-1.55%
11	10-Mar-92	1	0.1731%	0.24%	0.1755%	0.986	-0.0024%	-1.37%
12	17-Mar-92	1	0.1726%	0.27%	0.1757%	0.982	-0.0031%	-1.75%
13	23-Mar-92	1	0.1730%	0.26%	0.1758%	0.984	-0.0028%	-1.61%
14	30-Mar-92	1	0.1730%	0.31%	0.1760%	0.983	-0.0030%	-1.71%

LANL

#	Date Measured	Instr. ID	241-Am	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	3-Jan-92	F5	0.1709%	0.69%	0.1738%	0.984	-0.0029%	-1.65%
2	3-Jan-92	F6	0.1691%	0.86%	0.1738%	0.973	-0.0047%	-2.68%
3	16-Jan-92	F5	0.1710%	0.70%	0.1741%	0.982	-0.0031%	-1.78%
4	16-Jan-92	F6	0.1734%	0.71%	0.1741%	0.996	-0.0007%	-0.40%
5	23-Jan-92	F6	0.1677%	0.73%	0.1743%	0.962	-0.0066%	-3.78%
6	30-Jan-92	F5	0.1723%	0.79%	0.1745%	0.988	-0.0022%	-1.24%
7	30-Jan-92	F6	0.1709%	0.80%	0.1745%	0.980	-0.0036%	-2.04%
8	26-Feb-92	F6	0.1733%	0.75%	0.1752%	0.989	-0.0019%	-1.07%
9	4-Mar-92	F5	0.1757%	0.73%	0.1753%	1.002	0.0004%	0.20%
10	5-Mar-92	F6	0.1704%	0.73%	0.1754%	0.972	-0.0050%	-2.84%

WEIGHT PERCENT 241-Am DATA
1ST QUARTER 1992

EG&G MOUND

#	Date Measured	Instr. ID	241-Am	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	23-Jan-92	GENIE2	0.1748%	2.0%	0.1743%	1.003	0.0005%	0.28%
2	23-Jan-92	GENIE2	0.1759%	2.1%	0.1743%	1.009	0.0016%	0.94%
3	23-Jan-92	GENIE2	0.1758%	2.2%	0.1743%	1.009	0.0015%	0.87%
4	23-Jan-92	GENIE2	0.1756%	2.3%	0.1743%	1.007	0.0013%	0.74%
5	24-Jan-92	GENIE2	0.1745%	2.1%	0.1743%	1.001	0.0002%	0.13%
6	19-Feb-92	GENIE2	0.1738%	2.2%	0.1750%	0.993	-0.0012%	-0.67%
7	19-Feb-92	GENIE2	0.1760%	2.3%	0.1750%	1.006	0.0010%	0.56%
8	19-Feb-92	GENIE2	0.1749%	2.1%	0.1750%	1.000	-0.0001%	-0.05%
9	19-Feb-92	GENIE2	0.1759%	2.1%	0.1750%	1.005	0.0009%	0.53%
10	20-Feb-92	GENIE2	0.1754%	2.3%	0.1750%	1.002	0.0004%	0.22%
11	20-Feb-92	GENIE2	0.1754%	2.3%	0.1750%	1.002	0.0004%	0.24%
12	20-Feb-92	GENIE2	0.1754%	2.3%	0.1750%	1.002	0.0003%	0.20%
13	21-Feb-92	GENIE2	0.1761%	2.3%	0.1750%	1.006	0.0011%	0.63%
14	21-Feb-92	GENIE2	0.1765%	2.1%	0.1750%	1.009	0.0015%	0.86%
15	21-Feb-92	GENIE2	0.1762%	2.2%	0.1750%	1.007	0.0011%	0.65%
16	26-Mar-92	GENIE2	0.1766%	2.5%	0.1759%	1.004	0.0007%	0.38%
17	26-Mar-92	GENIE2	0.1755%	2.5%	0.1759%	0.998	-0.0004%	-0.24%
18	27-Mar-92	GENIE2	0.1774%	2.4%	0.1759%	1.008	0.0014%	0.82%
19	27-Mar-92	GENIE2	0.1757%	2.3%	0.1759%	0.999	-0.0002%	-0.13%
20	27-Mar-92	GENIE2	0.1759%	2.3%	0.1759%	1.000	0.0000%	-0.03%

HANFORD

#	Date Measured	Instr. ID	241-Am	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	2-Jan-92	1985	0.1712%	0.39%	0.1737%	0.985	-0.0025%	-1.46%
2	2-Jan-92	2424	0.1715%	0.42%	0.1737%	0.987	-0.0022%	-1.29%
3	3-Jan-92	2026	0.1719%	0.37%	0.1738%	0.989	-0.0019%	-1.07%
4	6-Jan-92	1985	0.1721%	0.41%	0.1738%	0.990	-0.0017%	-1.00%
5	6-Jan-92	2424	0.1718%	0.38%	0.1738%	0.988	-0.0020%	-1.17%
6	7-Jan-92	2026	0.1716%	0.36%	0.1739%	0.987	-0.0023%	-1.30%
7	10-Jan-92	2470	0.1714%	0.51%	0.1739%	0.985	-0.0025%	-1.46%
8	13-Jan-92	2026	0.1709%	0.36%	0.1740%	0.982	-0.0031%	-1.80%
9	13-Jan-92	2424	0.1726%	0.37%	0.1740%	0.992	-0.0014%	-0.82%
10	13-Jan-92	2470	0.1713%	0.48%	0.1740%	0.984	-0.0027%	-1.57%
11	14-Jan-92	1985	0.1713%	0.37%	0.1741%	0.984	-0.0028%	-1.58%
12	15-Jan-92	2424	0.1721%	0.37%	0.1741%	0.989	-0.0020%	-1.14%
13	16-Jan-92	2424	0.1732%	0.39%	0.1741%	0.995	-0.0009%	-0.52%
14	20-Jan-92	1985	0.1719%	0.36%	0.1742%	0.987	-0.0023%	-1.32%
15	20-Jan-92	2026	0.1721%	0.40%	0.1742%	0.988	-0.0021%	-1.21%
16	20-Jan-92	2424	0.1721%	0.36%	0.1742%	0.988	-0.0021%	-1.21%
17	21-Jan-92	2470	0.1723%	0.53%	0.1742%	0.989	-0.0019%	-1.11%
18	27-Jan-92	2026	0.1718%	0.35%	0.1744%	0.985	-0.0026%	-1.48%
19	27-Jan-92	1985	0.1726%	0.38%	0.1744%	0.990	-0.0018%	-1.03%
20	28-Jan-92	2470	0.1714%	0.53%	0.1744%	0.983	-0.0030%	-1.73%
21	29-Jan-92	2424	0.1731%	0.38%	0.1744%	0.992	-0.0013%	-0.77%
22	3-Feb-92	2470	0.1715%	0.49%	0.1746%	0.982	-0.0031%	-1.76%
23	3-Feb-92	1985	0.1730%	0.38%	0.1746%	0.991	-0.0016%	-0.90%
24	4-Feb-92	2026	0.1732%	0.40%	0.1746%	0.992	-0.0014%	-0.80%
25	4-Feb-92	2424	0.1710%	0.36%	0.1746%	0.979	-0.0036%	-2.06%

WEIGHT PERCENT 241-Am DATA
1ST QUARTER 1992

HANFORD (continued)

#	Date Measured	Instr. ID	241-Am	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
26	5-Feb-92	2026	0.1725%	0.39%	0.1746%	0.988	-0.0021%	-1.22%
27	10-Feb-92	1985	0.1731%	0.38%	0.1748%	0.991	-0.0017%	-0.95%
28	10-Feb-92	2026	0.1718%	0.36%	0.1748%	0.983	-0.0030%	-1.69%
29	11-Feb-92	2424	0.1731%	0.36%	0.1748%	0.990	-0.0017%	-0.96%
30	11-Feb-92	2470	0.1725%	0.56%	0.1748%	0.987	-0.0023%	-1.30%
31	18-Feb-92	2470	0.1717%	0.47%	0.1750%	0.981	-0.0033%	-1.86%
32	18-Feb-92	2424	0.1725%	0.33%	0.1750%	0.986	-0.0025%	-1.41%
33	19-Feb-92	1985	0.1726%	0.37%	0.1750%	0.986	-0.0024%	-1.36%
34	19-Feb-92	2026	0.1729%	0.37%	0.1750%	0.988	-0.0021%	-1.19%
35	20-Feb-92	2470	0.1715%	0.51%	0.1750%	0.980	-0.0035%	-2.01%
36	20-Feb-92	2026	0.1723%	0.36%	0.1750%	0.985	-0.0027%	-1.55%
37	24-Feb-92	2470	0.1715%	0.51%	0.1751%	0.979	-0.0036%	-2.06%
38	24-Feb-92	2026	0.1738%	0.38%	0.1751%	0.992	-0.0013%	-0.75%
39	27-Feb-92	2026	0.1725%	0.37%	0.1752%	0.985	-0.0027%	-1.54%
40	28-Feb-92	1985	0.1731%	0.42%	0.1752%	0.988	-0.0021%	-1.21%
41	2-Mar-92	1985	0.1735%	0.38%	0.1753%	0.990	-0.0018%	-1.02%
42	2-Mar-92	2026	0.1740%	0.37%	0.1753%	0.993	-0.0013%	-0.74%
43	3-Mar-92	2424	0.1731%	0.37%	0.1753%	0.987	-0.0022%	-1.27%
44	3-Mar-92	2470	0.1710%	0.53%	0.1753%	0.975	-0.0043%	-2.46%
45	9-Mar-92	2026	0.1735%	0.39%	0.1755%	0.989	-0.0020%	-1.13%
46	9-Mar-92	1985	0.1740%	0.38%	0.1755%	0.992	-0.0015%	-0.84%
47	10-Mar-92	2424	0.1734%	0.37%	0.1755%	0.988	-0.0021%	-1.20%
48	11-Mar-92	2470	0.1712%	0.53%	0.1755%	0.975	-0.0043%	-2.47%
49	11-Mar-92	2470	0.1717%	0.49%	0.1755%	0.978	-0.0038%	-2.18%
50	12-Mar-92	2470	0.1723%	0.48%	0.1756%	0.981	-0.0033%	-1.85%
51	12-Mar-92	2470	0.1724%	0.53%	0.1756%	0.982	-0.0032%	-1.80%
52	25-Mar-92	1985	0.1751%	0.41%	0.1759%	0.996	-0.0008%	-0.45%
53	25-Mar-92	2026	0.1729%	0.37%	0.1759%	0.983	-0.0030%	-1.70%
54	26-Mar-92	2424	0.1740%	0.38%	0.1759%	0.989	-0.0019%	-1.09%
55	27-Mar-92	2470	0.1723%	0.48%	0.1759%	0.979	-0.0036%	-2.07%
56	30-Mar-92	2026	0.1740%	0.35%	0.1760%	0.989	-0.0020%	-1.15%
57	30-Mar-92	1985	0.1742%	0.37%	0.1760%	0.990	-0.0018%	-1.03%
58	31-Mar-92	2424	0.1752%	0.35%	0.1760%	0.995	-0.0008%	-0.48%
59	31-Mar-92	2470	0.1723%	0.54%	0.1760%	0.979	-0.0037%	-2.13%

**WEIGHT PERCENT 241-Am DATA
1ST QUARTER 1992**

RFP - ANAL. LAB.

#	Date Measured	Instr. ID	241-Am	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	6-Jan-92	ND#1	0.1741%	3.11%	0.1738%	1.002	0.0003%	0.15%
2	6-Jan-92	ND#2	0.1732%	2.85%	0.1738%	0.996	-0.0006%	-0.36%
3	13-Jan-92	ND#1	0.1745%	2.67%	0.1740%	1.003	0.0004%	0.26%
4	13-Jan-92	ND#2	0.1740%	2.50%	0.1740%	1.000	0.0000%	-0.02%
5	17-Jan-92	ND#1	0.1750%	1.54%	0.1741%	1.005	0.0009%	0.52%
6	17-Jan-92	ND#2	0.1743%	2.64%	0.1741%	1.001	0.0001%	0.08%
7	20-Jan-92	TR#1	0.1721%	1.64%	0.1742%	0.988	-0.0021%	-1.21%
8	20-Jan-92	ND#1	0.1759%	2.47%	0.1742%	1.010	0.0017%	0.97%
9	20-Jan-92	ND#2	0.1714%	2.54%	0.1742%	0.984	-0.0028%	-1.59%
10	23-Jan-92	ND#1	0.1762%	2.46%	0.1743%	1.011	0.0019%	1.12%
11	23-Jan-92	ND#2	0.1717%	2.40%	0.1743%	0.985	-0.0026%	-1.48%
12	28-Jan-92	ND#1	0.1738%	1.53%	0.1744%	0.997	-0.0006%	-0.33%
13	28-Jan-92	TR#2	0.1741%	3.04%	0.1744%	0.998	-0.0003%	-0.16%
14	29-Jan-92	TR#1	0.1715%	3.75%	0.1744%	0.983	-0.0029%	-1.66%
15	29-Jan-92	TR#2	0.1742%	1.74%	0.1744%	0.999	-0.0002%	-0.12%
16	3-Feb-92	TR#1	0.1725%	2.95%	0.1746%	0.988	-0.0021%	-1.19%
17	3-Feb-92	TR#2	0.1744%	1.24%	0.1746%	0.999	-0.0002%	-0.10%
18	4-Feb-92	ND#1	0.1769%	1.45%	0.1746%	1.013	0.0023%	1.30%
19	5-Feb-92	TR#2	0.1732%	1.72%	0.1746%	0.992	-0.0014%	-0.80%
20	5-Feb-92	TR#1	0.1729%	2.64%	0.1746%	0.990	-0.0017%	-0.98%
21	7-Feb-92	TR#2	0.1729%	1.68%	0.1747%	0.990	-0.0017%	-1.00%
22	10-Feb-92	TR#1	0.1710%	3.09%	0.1748%	0.979	-0.0037%	-2.12%
23	10-Feb-92	TR#2	0.1748%	1.71%	0.1748%	1.000	0.0000%	0.00%
24	11-Feb-92	TR#1	0.1731%	3.19%	0.1748%	0.990	-0.0017%	-0.96%
25	11-Feb-92	TR#1	0.1737%	3.55%	0.1748%	0.994	-0.0011%	-0.62%
26	11-Feb-92	TR#2	0.1756%	1.75%	0.1748%	1.005	0.0009%	0.49%
27	20-Feb-92	ND#1	0.1770%	1.66%	0.1750%	1.011	0.0020%	1.12%
28	20-Feb-92	TR#1	0.1745%	2.76%	0.1750%	0.997	-0.0005%	-0.28%
29	21-Feb-92	ND#1	0.1764%	1.70%	0.1750%	1.008	0.0014%	0.78%

**SAVANNAH RIVER
NO DATA REPORTED**

CALORIMETRY EXCHANGE SAMPLE ON 01/01/89

Isotope	PPM Isotope / 239-Pu	% Isotope / Pu	% Uncertainty *
238-Pu	101	0.00944	0.6
239-Pu	1,000,000	93.8676	0.003
240-Pu	62,168	5.8600	0.06
241-Pu	2471	0.2338	0.57
242-Pu	306	0.0291	5.0
241-Am	1509	0.1429	0.4

Power = 0.9759 Watts +/- 0.07%

P-effective = 2.450 mW/g +/- 0.05%

- * Uncertainties shown for Pu isotopes are one standard deviation, as found using the data reported by four labs which made the reference measurements on the sample in 1982.

CONSTANTS

Isotope	Decay Constant (day)**	Specific Power (W/g)
238-Pu	2.1630E-05	0.56757
239-Pu	7.8684E-08	1.9288E-03
240-Pu	2.8912E-07	7.0824E-03
241-Pu	1.3227E-04	3.4120E-03
242-Pu	5.0432E-09	1.1590E-04
241-Am	4.3768E-06	0.11420

** Reference: ANSI 15.22-1987 (Plutonium Bearing Solids - Calibration Techniques for Calorimetric Assay), page 22 (Table 4)

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