CALORIMETRY EXCHANGE PROGRAM

QUARTERLY DATA REPORT

2ND QUARTER 1992

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EG&G MOUND APPLIED TECHNOLOGIES

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CALORIMETRY EXCHANGE PROGRAM

QUARTERLY DATA REPORT

2ND 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.

SUMMARY TABLE

% DIFFERENCE FROM ACCEPTED VALUES FOR THE CALORIMETRY EXCHANGE SAMPLE

	LIVERMORE	LOS ALAMOS	MOUND	HANFORD	ROCKY	FLATS	SAVANNAH RIVER
					CSL	AL	
POWER	-0.02	0.09	-0.19	-0.08	0.34	0.09	*
P-EFF	-0.28	0.06	0.33	0.04	**	0.25	*
238/239 Pu	-3.09	7.81	5.61	3.17	**	11.33	*
240/239 Pu	-0.27	0.54	1.00	0.82	**	0.31	*
241/239 Pu	-0.89	0.28	-0.43	-0.27	**	0.38	*
Am/239 Pu	-1.57	-1.46	1.27	-1.16	**	-0.29	*
% 238 Pu	-3.08	7.74	5.58	3.12	**	11.34	*
% 239 Pu	0.44	0.37	-0.03	-0.04	**	0.01	*
% 240 Pu	-0.25	0.49	0.96	0.77	**	0.32	*
% 241 Pu	-0.87	0.23	-0.46	-0.31	**	0.39	*
% 241 Am	-1.55	-1.51	1.24	-1.20	**	-0.28	*

* No data submitted since third quarter of CY88.

** No data submitted for this measurement this quarter.

RESULTS OF ANALYSIS OF POWER DATA

Second Quarter 1992

REPORTING LABORATORY

	CSL	LLNL	LANL	MOUND	WHO	RFP	SRS
Mean Error (mW)	3.332	-0.156	0.862	-1.894	-0.823	0.907	****
Std. Dev. (mW)	4.811	9.534	0.577	2.173	2.391	1.347	****
Unc. in Mean (mW)	2.510	2.476	0.427	0.376	0.386	1.730	****
Mean Error (%)	0.34%	-0.02%	0.09%	-0.19%	-0.08%	0.09%	****
Std. Dev. (%)	0.49%	0.96%	0.06%	0.22%	0.24%	0.14%	****
Unc. in Mean (%)	0.25%	0.25%	0.04%	0.04%	0.04%	0.17%	****

DIFFERENCE FROM LAST PERIOD

Diff. in Mean Error (mW)	1.377	*	0.105	-1.906	0.109	-1.022	****
Diff. in Std. Dev. (mW)	3.715	*	-0.652	0.682	0.186	0.227	****
Diff. in Mean Error (%)	0.14%	*	0.01%	-0.19%	0.01%	-0.11%	****
Diff. in Std. Dev. (%)	0.38%	*	-0.06%	0.07%	0.02%	0.03%	****
Number of Data Points	4	4	9	20	34	10	0

*** NO DATA REPORTED FOR THIS MEASUREMENT IN THE PREVIOUS PERIOD**

*EG&G ROCKY FLATS - CHEM. STDS. LAB.
POWER DATA - 1ST - 2ND QUARTERS 1992*

All standard deviation and uncertainty limits are at two-sigma.

LAWRENCE LIVERMORE - POWER DATA 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

LOS ALAMOS - POWER DATA
3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

EG&G MOUND - POWER DATA
 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

WESTINGHOUSE HANFORD - POWER DATA 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

EG&G ROCKY FLATS - ANALYTICAL LAB.
 POWER DATA - 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

CALORIMETER DATA
2ND 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	21-May-92	5	0.9908	0.5%	0.9905	1.000	0.321	0.03%
2	4-Jun-92	7	0.9888	0.5%	0.9907	0.998	-1.821	-0.18%
3	4-Jun-92	8	0.9986	0.5%	0.9907	1.008	7.903	0.80%
4	11-Jun-92	8	0.9977	0.5%	0.9907	1.007	6.926	0.70%

LAWRENCE LIVERMORE NATIONAL LABORATORY

#	Date Measured	Instr. ID	Measured Watts	Uncert. 1 STD	Accepted Watts	Ratio M/A	mW Error	Percent Error
1	21-May-92	2	1.0015	0.5%	0.9905	1.011	10.940	1.10%
2	22-May-92	30	0.9952	0.5%	0.9905	1.005	4.635	0.47%
3	26-May-92	32	0.9829	0.5%	0.9906	0.992	-7.634	-0.77%
4	29-Jun-92	2	0.9824	0.5%	0.9909	0.991	-8.566	-0.86%

LOS ALAMOS NATIONAL LABORATORY

#	Date Measured	Instr. ID	Measured Watts	Uncert. 1 STD	Accepted Watts	Ratio M/A	mW Error	Percent Error
1	9-Apr-92	K8	0.9916	0.1%	0.9901	1.002	1.530	0.15%
2	17-Apr-92	K7	0.9910	0.1%	0.9902	1.001	0.844	0.09%
3	23-Apr-92	K1	0.9904	0.1%	0.9902	1.000	0.140	0.01%
4	5-May-92	K7	0.9911	0.1%	0.9903	1.001	0.751	0.08%
5	6-May-92	K8	0.9914	0.1%	0.9904	1.001	1.040	0.11%
6	7-May-92	K2	0.9913	0.2%	0.9904	1.001	0.950	0.10%
7	8-May-92	K1	0.9904	0.1%	0.9904	1.000	0.029	0.00%
8	15-Jun-92	K7	0.9926	0.1%	0.9908	1.002	1.813	0.18%
9	17-Jun-92	K5	0.9915	0.2%	0.9908	1.001	0.662	0.07%

EG&G MOUND APPLIED TECHNOLOGIES

#	Date Measured	Instr. ID	Measured Watts	Uncert. 1 STD	Accepted Watts	Ratio M/A	mW Error	Percent Error
1	1-Apr-92	111	0.994120	0.17%	0.989984	1.001	0.767	0.08%
2	1-Apr-92	128	0.990012	0.17%	0.989984	0.997	-3.327	-0.34%
3	8-Apr-92	128	0.987983	0.17%	0.990059	0.995	-5.424	-0.55%
4	14-Apr-92	128	0.993974	0.17%	0.990124	1.000	0.482	0.05%
5	15-Apr-92	111	0.995165	0.17%	0.990134	1.002	1.659	0.17%
6	15-Apr-92	128	0.993759	0.17%	0.990134	1.000	0.258	0.03%
7	28-Apr-92	128	0.993090	0.17%	0.990274	0.999	-0.549	-0.06%
8	29-Apr-92	111	0.994837	0.17%	0.990285	1.001	1.181	0.12%
9	30-Apr-92	128	0.990480	0.17%	0.990295	0.997	-3.171	-0.32%
10	6-May-92	128	0.992320	0.17%	0.990360	0.999	-1.402	-0.14%
11	11-Jun-92	128	0.992637	0.17%	0.990744	0.999	-1.471	-0.15%
12	16-Jun-92	128	0.991661	0.17%	0.990798	0.997	-2.497	-0.25%
13	18-Jun-92	111	0.994100	0.17%	0.990819	1.000	-0.087	-0.01%
14	18-Jun-92	128	0.990629	0.17%	0.990819	0.996	-3.547	-0.36%
15	22-Jun-92	128	0.989696	0.17%	0.990861	0.995	-4.519	-0.46%
16	23-Jun-92	128	0.992645	0.17%	0.990872	0.998	-1.591	-0.16%
17	23-Jun-92	128	0.992115	0.17%	0.990872	0.998	-2.119	-0.21%
18	25-Jun-92	128	0.989114	0.17%	0.990893	0.995	-5.131	-0.52%
19	29-Jun-92	128	0.991472	0.17%	0.990936	0.997	-2.824	-0.28%
20	30-Jun-92	128	0.989729	0.17%	0.990946	0.995	-4.571	-0.46%

WESTINGHOUSE HANFORD COMPANY

#	Date Measured	Instr. ID	Measured Watts	Uncert. 1 STD	Accepted Watts	Ratio M/A	mW Error	Percent Error
1	3-Apr-91	2	0.9932	0.37%	0.9860	1.007	7.242	0.73%
2	4-Apr-91	1	0.9866	0.37%	0.9860	1.001	0.631	0.06%
3	10-Apr-91	4	0.9816	0.37%	0.9860	0.995	-4.437	-0.45%
4	11-Apr-91	3	0.9839	0.37%	0.9860	0.998	-2.149	-0.22%
5	16-Apr-91	1	0.9836	0.37%	0.9861	0.997	-2.505	-0.25%
6	18-Apr-91	3	0.9841	0.37%	0.9861	0.998	-2.028	-0.21%
7	24-Apr-91	3	0.9849	0.37%	0.9862	0.999	-1.296	-0.13%
8	25-Apr-91	1	0.9878	0.37%	0.9862	1.002	1.593	0.16%
9	2-May-91	3	0.9820	0.31%	0.9863	0.996	-4.286	-0.43%
10	3-May-91	4	0.9840	0.31%	0.9863	0.998	-2.298	-0.23%
11	7-May-91	2	0.9836	0.31%	0.9863	0.997	-2.743	-0.28%
12	8-May-91	3	0.9828	0.31%	0.9864	0.996	-3.554	-0.36%
13	9-May-91	5	0.9872	0.31%	0.9864	1.001	0.834	0.08%
14	10-May-91	1	0.9842	0.31%	0.9864	0.998	-2.177	-0.22%
15	17-May-91	3	0.9804	0.31%	0.9865	0.994	-6.056	-0.61%
16	21-May-91	4	0.9870	0.31%	0.9865	1.001	0.499	0.05%
17	23-May-91	2	0.9908	0.31%	0.9865	1.004	4.276	0.43%
18	24-May-91	1	0.9845	0.31%	0.9865	0.998	-2.035	-0.21%
19	29-May-91	3	0.9868	0.31%	0.9866	1.000	0.209	0.02%
20	30-May-91	2	0.9899	0.31%	0.9866	1.003	3.298	0.33%
21	4-Jun-91	5	0.9875	0.31%	0.9867	1.001	0.841	0.09%
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	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	15-Apr-92	MO3	0.9907	0.20%	0.9901	1.001	0.592	0.06%
2	16-Apr-92	MO4	0.9912	0.22%	0.9901	1.001	1.070	0.11%
3	3-Jun-92	MO7	0.9940	0.38%	0.9907	1.003	3.342	0.34%
4	9-Jun-92	MO1	0.9930	0.21%	0.9907	1.002	2.247	0.23%
5	9-Jun-92	MO2	0.9930	0.21%	0.9907	1.002	2.297	0.23%
6	17-Jun-92	MO8	0.9906	0.40%	0.9908	1.000	-0.190	-0.02%
7	23-Jun-92	MO2	0.9903	0.22%	0.9909	0.999	-0.565	-0.06%
8	23-Jun-92	MO7	0.9915	0.38%	0.9909	1.001	0.638	0.06%
9	25-Jun-92	MO1	0.9913	0.21%	0.9909	1.000	0.421	0.04%
10	30-Jun-92	MO3	0.9902	0.20%	0.9909	0.999	-0.785	-0.08%

WESTINGHOUSE SAVANNAH RIVER SITE**NO DATA REPORTED**

RESULTS OF ANALYSIS OF P-EFFECTIVE DATA

Second Quarter 1992

	REPORTING LABORATORY						
	CSL	LLNL	LANL	MOUND	WHO	RFP	SRS
Mean Error (mW/g)	****	-0.0069	0.0015	0.0082	0.0010	0.0062	****
Std. Dev. (mW/g)	****	0.0012	0.0052	0.0079	0.0047	0.0152	****
Unc. in Mean (mW/g)	****	0.0012	0.0027	0.0018	0.0004	0.0020	****
Mean Error (%)	****	-0.28%	0.06%	0.33%	0.04%	0.25%	****
Std. Dev. (%)	****	0.05%	0.21%	0.32%	0.19%	0.61%	****
Unc. in Mean (%)	****	0.05%	0.11%	0.07%	0.02%	0.08%	****
DIFFERENCE FROM LAST PERIOD							
Diff. in Mean Error (mW/g)	****	-0.0004	0.0033	0.0078	-0.0005	0.0010	****
Diff. in Std. Dev. (mW/g)	****	-0.0013	0.0006	0.0033	-0.0001	0.0037	****
Diff. in Mean Error (%)	****	-0.02%	0.13%	0.31%	-0.02%	0.04%	****
Diff. in Std. Dev. (%)	****	-0.05%	0.02%	0.14%	0.00%	0.15%	****
Number of Data Points	0	5	12	15	53	44	0

* NO DATA REPORTED FOR THIS MEASUREMENT IN THE PREVIOUS PERIOD

LAWRENCE LIVERMORE - P-EFFECTIVE
3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

LOS ALAMOS - P-EFFECTIVE
3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

EG&G MOUND - P-EFFECTIVE 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

WESTINGHOUSE HANFORD - P-EFFECTIVE 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

*EG&G ROCKY FLATS -- ANALYTICAL LAB.
P-EFFECTIVE -- 3RD QUARTER 1991 -- 2ND QUARTER 1992*

All standard deviation and uncertainty limits are at two-sigma.

**P-EFFECTIVE DATA
2ND QUARTER 1992**

RFP - CSL

NO DATA REPORTED

LLNL

#	Date Measured	Instr. ID	P-eff (mw/g)	Uncert. 1 STD	Accepted P-eff	Ratio M/A	mW/g Error	Percent Error
1	7-Apr-92	1	2.4814	0.09%	2.4880	0.997	-0.0066	-0.27%
2	12-May-92	1	2.4800	0.12%	2.4890	0.996	-0.0090	-0.36%
3	29-May-92	1	2.4838	0.10%	2.4895	0.998	-0.0057	-0.23%
4	2-Jun-92	1	2.4828	0.12%	2.4896	0.997	-0.0068	-0.27%
5	8-Jun-92	1	2.4833	0.10%	2.4898	0.997	-0.0065	-0.26%

LANL

#	Date Measured	Instr. ID	P-eff (mw/g)	Uncert. 1 STD	Accepted P-eff	Ratio M/A	mW/g Error	Percent Error
1	1-Apr-92	F6	2.4836	0.38%	2.4879	0.998	-0.0043	-0.17%
2	15-Apr-92	F5	2.4805	0.32%	2.4883	0.997	-0.0078	-0.31%
3	15-Apr-92	F6	2.4978	0.36%	2.4883	1.004	0.0095	0.38%
4	22-Apr-92	F5	2.4866	0.38%	2.4884	0.999	-0.0018	-0.07%
5	29-Apr-92	F6	2.4872	0.31%	2.4886	0.999	-0.0014	-0.06%
6	6-May-92	F6	2.4959	0.48%	2.4888	1.003	0.0071	0.28%
7	27-May-92	F5	2.4912	0.40%	2.4894	1.001	0.0018	0.07%
8	27-May-92	F6	2.4933	0.39%	2.4894	1.002	0.0039	0.16%
9	3-Jun-92	F5	2.4937	0.32%	2.4896	1.002	0.0041	0.16%
10	4-Jun-92	F6	2.4922	0.41%	2.4896	1.001	0.0026	0.10%
11	10-Jun-92	F5	2.4871	0.32%	2.4898	0.999	-0.0027	-0.11%
12	11-Jun-92	F6	2.4970	0.32%	2.4898	1.003	0.0072	0.29%

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	11-Jun-92	GENIE2	2.4911	0.28%	2.4884	1.001	-0.0027	0.11%
2	15-Jun-92	GENIE2	2.5127	0.25%	2.4885	1.010	0.0242	0.97%
3	18-Jun-92	GENIE2	2.4870	0.29%	2.4886	0.999	-0.0016	-0.07%
4	18-Jun-92	GENIE2	2.4904	0.30%	2.4886	1.001	0.0018	0.07%
5	18-Jun-92	GENIE2	2.5029	0.29%	2.4886	1.006	0.0143	0.57%
6	19-Jun-92	GENIE2	2.4936	0.29%	2.4886	1.002	0.0050	0.20%
7	19-Jun-92	GENIE2	2.5030	0.29%	2.4886	1.006	0.0144	0.58%
8	19-Jun-92	GENIE2	2.4994	0.28%	2.4886	1.004	0.0108	0.43%
9	19-Jun-92	GENIE2	2.4917	0.29%	2.4886	1.001	0.0031	0.12%
10	19-Jun-92	GENIE2	2.4974	0.30%	2.4886	1.004	0.0088	0.35%
11	20-Jun-92	GENIE2	2.5126	0.29%	2.4887	1.010	0.0239	0.96%
12	20-Jun-92	GENIE2	2.4948	0.29%	2.4887	1.002	0.0061	0.25%
13	29-Jun-92	GENIE2	2.4898	0.30%	2.4889	1.000	0.0009	0.04%
14	29-Jun-92	GENIE2	2.4948	0.25%	2.4889	1.002	0.0059	0.24%
15	29-Jun-92	GENIE2	2.4927	0.26%	2.4889	1.002	0.0038	0.15%

**P-EFFECTIVE DATA
2ND QUARTER 1992**

HANFORD

#	Date Measured	Instr. ID	P-eff (mw/g)	Uncert. 1 STD	Accepted P-eff	Ratio M/A	mW/g Error	Percent Error
1	6-Apr-92	2026	2.4903	0.10%	2.4872	1.001	0.0031	0.12%
2	8-Apr-92	2470	2.4885	0.14%	2.4873	1.000	0.0012	0.05%
3	8-Apr-92	2026	2.4962	0.10%	2.4873	1.004	0.0089	0.36%
4	9-Apr-92	1985	2.4835	0.11%	2.4873	0.998	-0.0038	-0.15%
5	10-Apr-92	2424	2.4864	0.09%	2.4873	1.000	-0.0009	-0.04%
6	13-Apr-92	2424	2.4891	0.10%	2.4874	1.001	0.0017	0.07%
7	13-Apr-92	2470	2.4880	0.14%	2.4874	1.000	0.0006	0.02%
8	14-Apr-92	1985	2.4875	0.12%	2.4874	1.000	0.0001	0.00%
9	14-Apr-92	2026	2.4972	0.10%	2.4874	1.004	0.0098	0.39%
10	22-Apr-92	2424	2.4882	0.12%	2.4877	1.000	0.0005	0.02%
11	22-Apr-92	2470	2.4874	0.14%	2.4877	1.000	-0.0003	-0.01%
12	23-Apr-92	2026	2.4934	0.11%	2.4877	1.002	0.0057	0.23%
13	23-Apr-92	1985	2.4800	0.11%	2.4877	0.997	-0.0077	-0.31%
14	27-Apr-92	2424	2.4900	0.10%	2.4878	1.001	0.0022	0.09%
15	27-Apr-92	2470	2.4888	0.13%	2.4878	1.000	0.0010	0.04%
16	27-Apr-92	2026	2.4962	0.11%	2.4878	1.003	0.0084	0.34%
17	28-Apr-92	1985	2.4867	0.10%	2.4878	1.000	-0.0011	-0.05%
18	29-Apr-92	2424	2.4839	0.11%	2.4879	0.998	-0.0040	-0.16%
19	4-May-92	2026	2.4953	0.10%	2.4880	1.003	0.0073	0.29%
20	4-May-92	1985	2.4871	0.11%	2.4880	1.000	-0.0009	-0.04%
21	5-May-92	2470	2.4891	0.14%	2.4880	1.000	0.0011	0.04%
22	5-May-92	2424	2.4926	0.10%	2.4880	1.002	0.0046	0.18%
23	11-May-92	1985	2.4811	0.12%	2.4882	0.997	-0.0071	-0.29%
24	12-May-92	2026	2.4893	0.10%	2.4882	1.000	0.0011	0.04%
25	12-May-92	2424	2.4871	0.11%	2.4882	1.000	-0.0011	-0.05%
26	13-May-92	2470	2.4881	0.14%	2.4883	1.000	-0.0002	-0.01%
27	18-May-92	2424	2.4871	0.10%	2.4884	0.999	-0.0013	-0.05%
28	19-May-92	1985	2.4811	0.11%	2.4884	0.997	-0.0073	-0.29%
29	19-May-92	2026	2.4969	0.10%	2.4884	1.003	0.0085	0.34%
30	20-May-92	2470	2.4846	0.14%	2.4884	0.998	-0.0038	-0.15%
31	26-May-92	1985	2.4877	0.11%	2.4886	1.000	-0.0009	-0.04%
32	26-May-92	2026	2.4845	0.11%	2.4886	0.998	-0.0041	-0.17%
33	26-May-92	2424	2.4924	0.10%	2.4886	1.002	0.0038	0.15%
34	27-May-92	2470	2.4870	0.14%	2.4886	0.999	-0.0016	-0.07%
35	27-May-92	2026	2.4928	0.11%	2.4886	1.002	0.0042	0.17%
36	1-Jun-92	2026	2.4897	0.10%	2.4888	1.000	0.0009	0.04%
37	1-Jun-92	2424	2.4925	0.11%	2.4888	1.001	0.0037	0.15%
38	1-Jun-92	1985	2.4812	0.11%	2.4888	0.997	-0.0076	-0.30%
39	8-Jun-92	1985	2.4819	0.12%	2.4890	0.997	-0.0071	-0.28%
40	10-Jun-92	2424	2.4882	0.10%	2.4890	1.000	-0.0008	-0.03%
41	10-Jun-92	1985	2.4874	0.11%	2.4890	0.999	-0.0016	-0.07%
42	11-Jun-92	2026	2.4931	0.11%	2.4891	1.002	0.0040	0.16%
43	15-Jun-92	2026	2.4970	0.11%	2.4892	1.003	0.0078	0.31%
44	15-Jun-92	1985	2.4866	0.11%	2.4892	0.999	-0.0026	-0.10%
45	16-Jun-92	2424	2.4978	0.11%	2.4892	1.003	0.0086	0.35%
46	22-Jun-92	2026	2.4989	0.10%	2.4894	1.004	0.0095	0.38%
47	22-Jun-92	2424	2.4900	0.10%	2.4894	1.000	0.0006	0.03%
48	25-Jun-92	1985	2.4865	0.13%	2.4894	0.999	-0.0029	-0.12%
49	25-Jun-92	2026	2.4937	0.10%	2.4894	1.002	0.0043	0.17%

P-EFFECTIVE DATA
2ND 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
50	25-Jun-92	2424	2.4937	0.10%	2.4894	1.002	0.0043	0.17%
51	29-Jun-92	1985	2.4851	0.12%	2.4896	0.998	-0.0045	-0.18%
52	29-Jun-92	2026	2.4946	0.11%	2.4896	1.002	0.0050	0.20%
53	30-Jun-92	2424	2.4938	0.10%	2.4896	1.002	0.0042	0.17%

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	14-Apr-92	TR#1	2.4558	0.49%	2.4868	0.988	-0.0310	-1.25%
2	14-Apr-92	TR#1	2.5103	0.53%	2.4868	1.009	0.0235	0.94%
3	20-Apr-92	ND#1	2.5013	1.04%	2.4870	1.006	0.0143	0.58%
4	21-Apr-92	TR#1	2.4873	0.56%	2.4870	1.000	0.0003	0.01%
5	22-Apr-92	ND#1	2.4723	0.43%	2.4870	0.994	-0.0147	-0.59%
6	22-Apr-92	ND#1	2.4998	0.40%	2.4870	1.005	0.0128	0.51%
7	22-Apr-92	TR#1	2.4730	0.46%	2.4870	0.994	-0.0140	-0.56%
8	22-Apr-92	TR#1	2.4875	0.45%	2.4870	1.000	0.0005	0.02%
9	23-Apr-92	ND#1	2.4985	0.42%	2.4871	1.005	0.0114	0.46%
10	23-Apr-92	TR#1	2.4996	0.53%	2.4871	1.005	0.0125	0.50%
11	27-Apr-92	ND#1	2.4795	0.53%	2.4872	0.997	-0.0077	-0.31%
12	27-Apr-92	TR#1	2.4996	0.48%	2.4872	1.005	0.0124	0.50%
13	28-Apr-92	ND#1	2.5046	0.43%	2.4872	1.007	0.0174	0.70%
14	28-Apr-92	TR#1	2.4983	0.55%	2.4872	1.004	0.0111	0.45%
15	29-Apr-92	ND#1	2.4887	0.39%	2.4872	1.001	0.0015	0.06%
16	29-Apr-92	TR#1	2.4936	0.54%	2.4872	1.003	0.0064	0.26%
17	30-Apr-92	ND#1	2.4929	0.43%	2.4873	1.002	0.0056	0.23%
18	30-Apr-92	ND#1	2.5018	0.40%	2.4873	1.006	0.0145	0.58%
19	30-Apr-92	TR#1	2.5201	0.57%	2.4873	1.013	0.0328	1.32%
20	4-May-92	TR#1	2.5065	0.72%	2.4874	1.008	0.0191	0.77%
21	5-May-92	ND#1	2.4738	0.45%	2.4874	0.995	-0.0136	-0.55%
22	5-May-92	ND#1	2.5106	0.68%	2.4874	1.009	0.0232	0.93%
23	5-May-92	TR#1	2.5299	0.57%	2.4874	1.017	0.0425	1.71%
24	6-May-92	TR#1	2.5039	0.56%	2.4874	1.007	0.0165	0.66%
25	8-May-92	ND#1	2.4988	0.41%	2.4875	1.005	0.0113	0.45%
26	8-May-92	TR#1	2.4953	0.65%	2.4875	1.003	0.0078	0.31%
27	11-May-92	ND#1	2.5079	0.66%	2.4876	1.008	0.0203	0.82%
28	11-May-92	ND#1	2.4980	0.40%	2.4876	1.004	0.0104	0.42%
29	11-May-92	TR#1	2.5115	0.69%	2.4876	1.010	0.0239	0.96%
30	12-May-92	ND#1	2.5005	0.50%	2.4876	1.005	0.0129	0.52%
31	12-May-92	TR#1	2.4797	0.70%	2.4876	0.997	-0.0079	-0.32%
32	18-May-92	ND#1	2.5084	0.55%	2.4878	1.008	0.0206	0.83%
33	26-May-92	ND#1	2.4945	0.44%	2.4880	1.003	0.0065	0.26%
34	27-May-92	ND#1	2.4728	0.39%	2.4880	0.994	-0.0152	-0.61%
35	1-Jun-92	ND#1	2.4917	0.43%	2.4881	1.001	0.0036	0.14%
36	5-Jun-92	ND#1	2.4704	0.56%	2.4883	0.993	-0.0179	-0.72%
37	8-Jun-92	ND#1	2.4806	0.47%	2.4883	0.997	-0.0077	-0.31%
38	11-Jun-92	TR#1	2.4953	0.62%	2.4884	1.003	0.0069	0.28%
39	12-Jun-92	ND#1	2.4804	0.60%	2.4885	0.997	-0.0081	-0.32%
40	16-Jun-92	TR#1	2.4958	0.71%	2.4886	1.003	0.0072	0.29%
41	17-Jun-92	ND#1	2.4929	0.40%	2.4886	1.002	0.0043	0.17%
42	19-Jun-92	ND#1	2.4672	0.54%	2.4886	0.991	-0.0214	-0.86%

***P-EFFECTIVE DATA
2ND QUARTER 1992***

RFP - ANAL. LAB. (co.

#	Date Measured	Instr. ID	P-eff (mw/g)	Uncert. 1 STD	Accepted P-eff	Ratio M/A	mW/g Error	Percent Error
43	23-Jun-92	TR#1	2.5132	0.58%	2.4888	1.010	0.0244	0.98%
44	29-Jun-92	TR#2	2.4807	0.28%	2.4889	0.997	-0.0082	-0.33%

***SAVANNAH RIVER
NO DATA REPORTED***

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

Second Quarter 1992

	REPORTING LABORATORY						
	CSL	LLNL	LANL	MOUND	WHO	RFP	
Mean Error (ppm)	****	-3	8	6	3	11	****
Std. Dev. (ppm)	****	2.41	8.26	6.76	6.00	24.63	****
Unc. in Mean (ppm)	****	1.53	2.16	1.59	0.54	3.07	****
Mean Error (%)	****	-3.09%	7.81%	5.61%	3.17%	11.33%	****
Std. Dev. (%)	****	2.45%	8.40%	6.87%	6.10%	25.02%	****
Unc. in Mean (%)	****	1.61%	2.03%	1.54%	0.53%	2.98%	****
DIFFERENCE FROM LAST PERIOD							
Diff. in Mean Error (ppm)	****	-1	0	1	-1	2	****
Diff. in Std. Dev. (ppm)	****	-1.09	1.33	1.62	0.15	7.99	****
Diff. in Mean Error (%)	****	-2.84%	-0.03%	0.20%	-1.13%	2.69%	****
Diff. in Std. Dev. (%)	****	-1.10%	1.38%	1.66%	0.16%	8.15%	****
Number of Data Points	0	5	12	15	53	44	0

* NO DATA REPORTED FOR THIS MEASUREMENT IN THE PREVIOUS PERIOD

LAWRENCE LIVERMORE - 238-PU/239-PU
3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

LOS ALAMOS - 238-PU/239-PU 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

EG&G MOUND - 238-Pu/239-Pu
 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

WESTINGHOUSE HANFORD - 238-PU/239-PU
 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

EG&G ROCKY FLATS - ANALYTICAL LAB.
 238-PU/239-PU - 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

238-Pu/239-Pu DATA
2ND QUARTER 1992

RFP - CSL

NO DATA REPORTED

LLNL

#	Date Measured	Instr. ID	238/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	7-Apr-92	1	97	2.89%	99	0.988	-1	-1.24%
2	12-May-92	1	93	4.04%	98	0.945	-5	-5.52%
3	29-May-92	1	98	3.21%	98	1.000	0	-0.04%
4	2-Jun-92	1	93	4.24%	98	0.946	-5	-5.41%
5	8-Jun-92	1	95	3.45%	98	0.967	-3	-3.26%

LANL

#	Date Measured	Instr. ID	238/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	1-Apr-92	F6	103	7.60%	99	1.042	4	4.20%
2	15-Apr-92	F5	104	6.10%	98	1.052	5	5.23%
3	15-Apr-92	F6	106	6.90%	98	1.077	8	7.72%
4	22-Apr-92	F5	104	7.40%	98	1.053	5	5.32%
5	29-Apr-92	F6	93	6.80%	98	0.943	-6	-5.66%
6	6-May-92	F6	117	8.50%	98	1.185	18	18.52%
7	27-May-92	F5	107	7.50%	98	1.087	9	8.71%
8	27-May-92	F6	108	7.30%	98	1.098	10	9.83%
9	3-Jun-92	F5	117	5.60%	98	1.189	19	18.88%
10	4-Jun-92	F6	114	7.30%	98	1.163	16	16.29%
11	10-Jun-92	F5	91	6.90%	98	0.925	-7	-7.53%
12	11-Jun-92	F6	110	5.80%	98	1.122	12	12.17%

EG&G MOUND

#	Date Measured	Instr. ID	238/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	11-Jun-92	GENIE2	105	5.0%	98	1.067	7	6.74%
2	15-Jun-92	GENIE2	110	6.2%	98	1.118	12	11.83%
3	18-Jun-92	GENIE2	107	5.1%	98	1.088	9	8.79%
4	18-Jun-92	GENIE2	95	6.6%	98	0.966	-3	-3.41%
5	18-Jun-92	GENIE2	104	6.2%	98	1.057	6	5.74%
6	19-Jun-92	GENIE2	102	5.5%	98	1.037	4	3.71%
7	19-Jun-92	GENIE2	109	5.7%	98	1.108	11	10.83%
8	19-Jun-92	GENIE2	107	6.9%	98	1.088	9	8.79%
9	19-Jun-92	GENIE2	105	6.0%	98	1.068	7	6.76%
10	19-Jun-92	GENIE2	96	6.3%	98	0.976	-2	-2.39%
11	20-Jun-92	GENIE2	109	5.6%	98	1.108	11	10.83%
12	20-Jun-92	GENIE2	114	5.9%	98	1.159	16	15.91%
13	29-Jun-92	GENIE2	90	6.6%	98	0.915	-8	-8.47%
14	29-Jun-92	GENIE2	96	5.6%	98	0.976	-2	-2.37%
15	29-Jun-92	GENIE2	109	5.7%	98	1.109	11	10.85%

238-Pu/239-Pu DATA
2ND QUARTER 1992

HANFORD

#	Date Measured	Instr. ID	238/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	6-Apr-92	2026	104	3.46%	99	1.054	5	5.37%
2	8-Apr-92	2470	108	4.56%	99	1.097	10	9.67%
3	8-Apr-92	2026	107	3.28%	99	1.087	9	8.71%
4	9-Apr-92	1985	95	4.02%	99	0.966	-3	-3.38%
5	10-Apr-92	2424	101	3.03%	99	1.021	2	2.08%
6	13-Apr-92	2424	102	3.36%	98	1.032	3	3.18%
7	13-Apr-92	2470	107	4.54%	98	1.086	8	8.56%
8	14-Apr-92	1985	97	4.21%	98	0.989	-1	-1.14%
9	14-Apr-92	2026	113	3.19%	98	1.152	15	15.20%
10	22-Apr-92	2424	93	4.55%	98	0.946	-5	-5.44%
11	22-Apr-92	2470	106	4.50%	98	1.075	7	7.53%
12	23-Apr-92	2026	106	3.78%	98	1.076	8	7.62%
13	23-Apr-92	1985	92	4.35%	98	0.934	-7	-6.64%
14	27-Apr-92	2424	100	3.48%	98	1.011	1	1.09%
15	27-Apr-92	2470	104	4.30%	98	1.054	5	5.40%
16	27-Apr-92	2026	109	3.62%	98	1.109	11	10.91%
17	28-Apr-92	1985	101	3.61%	98	1.021	2	2.12%
18	29-Apr-92	2424	94	3.97%	98	0.956	-4	-4.41%
19	4-May-92	2026	106	3.11%	98	1.077	8	7.67%
20	4-May-92	1985	97	3.85%	98	0.989	-1	-1.10%
21	5-May-92	2470	106	4.53%	98	1.076	7	7.55%
22	5-May-92	2424	106	3.20%	98	1.076	7	7.58%
23	11-May-92	1985	93	4.37%	98	0.945	-5	-5.52%
24	12-May-92	2026	104	3.54%	98	1.054	5	5.40%
25	12-May-92	2424	97	3.83%	98	0.989	-1	-1.09%
26	13-May-92	2470	104	4.66%	98	1.054	5	5.39%
27	18-May-92	2424	96	3.65%	98	0.978	-2	-2.15%
28	19-May-92	1985	91	4.13%	98	0.923	-8	-7.66%
29	19-May-92	2026	106	3.40%	98	1.077	8	7.72%
30	20-May-92	2470	103	4.69%	98	1.043	4	4.28%
31	26-May-92	1985	96	4.17%	98	0.979	-2	-2.14%
32	26-May-92	2026	102	3.78%	98	1.032	3	3.21%
33	26-May-92	2424	106	3.29%	98	1.076	8	7.64%
34	27-May-92	2470	102	4.93%	98	1.032	3	3.24%
35	27-May-92	2026	104	3.57%	98	1.055	5	5.51%
36	1-Jun-92	2026	102	3.39%	98	1.033	3	3.30%
37	1-Jun-92	2424	104	3.59%	98	1.055	5	5.48%
38	1-Jun-92	1985	92	4.04%	98	0.935	-6	-6.53%
39	8-Jun-92	1985	90	4.47%	98	0.913	-9	-8.68%
40	10-Jun-92	2424	99	3.30%	98	1.011	1	1.11%
41	10-Jun-92	1985	97	3.82%	98	0.990	-1	-1.04%
42	11-Jun-92	2026	109	3.58%	98	1.109	11	10.91%
43	15-Jun-92	2026	105	3.75%	98	1.067	7	6.70%
44	15-Jun-92	1985	94	4.05%	98	0.957	-4	-4.27%
45	16-Jun-92	2424	110	3.43%	98	1.121	12	12.10%
46	22-Jun-92	2026	113	3.23%	98	1.154	15	15.38%
47	22-Jun-92	2424	98	3.68%	98	1.001	0	0.10%
48	25-Jun-92	1985	93	4.72%	98	0.947	-5	-5.35%
49	25-Jun-92	2026	106	3.45%	98	1.077	8	7.73%

238-Pu/239-Pu DATA
2ND QUARTER 1992

HANFORD (continued)

#	Date Measured	Instr. ID	238/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
50	25-Jun-92	2424	106	3.35%	98	1.077	8	7.71%
51	29-Jun-92	1985	93	4.33%	98	0.946	-5	-5.35%
52	29-Jun-92	2026	109	3.60%	98	1.110	11	10.98%
53	30-Jun-92	2424	104	3.23%	98	1.056	5	5.56%

RFP - ANAL. LAB.

#	Date Measured	Instr. ID	238/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	14-Apr-92	TR#1	62	26.54%	98	0.629	-36	-37.05%
2	14-Apr-92	TR#1	138	12.50%	98	1.401	40	40.11%
3	20-Apr-92	ND#1	100	41.70%	98	1.015	2	1.54%
4	21-Apr-92	TR#1	111	19.72%	98	1.127	13	12.72%
5	22-Apr-92	ND#1	84	19.21%	98	0.853	-14	-14.70%
6	22-Apr-92	ND#1	98	16.56%	98	0.995	0	-0.48%
7	22-Apr-92	TR#1	84	19.59%	98	0.853	-14	-14.70%
8	22-Apr-92	TR#1	111	14.77%	98	1.127	13	12.72%
9	23-Apr-92	ND#1	139	10.99%	98	1.412	41	41.16%
10	23-Apr-92	TR#1	110	14.40%	98	1.117	12	11.71%
11	27-Apr-92	ND#1	105	15.36%	98	1.066	7	6.64%
12	27-Apr-92	TR#1	117	14.98%	98	1.188	19	18.83%
13	28-Apr-92	ND#1	136	12.79%	98	1.381	38	38.12%
14	28-Apr-92	TR#1	132	13.46%	98	1.341	34	34.06%
15	29-Apr-92	ND#1	102	16.20%	98	1.036	4	3.60%
16	29-Apr-92	TR#1	96	18.39%	98	0.975	-2	-2.50%
17	30-Apr-92	ND#1	117	14.35%	98	1.188	19	18.83%
18	30-Apr-92	ND#1	130	12.69%	98	1.320	32	32.04%
19	30-Apr-92	TR#1	146	15.09%	98	1.483	48	48.29%
20	4-May-92	TR#1	136	19.11%	98	1.381	38	38.14%
21	5-May-92	ND#1	71	22.49%	98	0.721	-27	-27.88%
22	5-May-92	ND#1	92	19.09%	98	0.935	-6	-6.55%
23	5-May-92	TR#1	175	13.34%	98	1.778	77	77.76%
24	6-May-92	TR#1	136	16.14%	98	1.381	38	38.15%
25	8-May-92	ND#1	111	15.37%	98	1.128	13	12.76%
26	8-May-92	TR#1	107	25.16%	98	1.087	9	8.69%
27	11-May-92	ND#1	137	18.00%	98	1.392	39	39.18%
28	11-May-92	ND#1	120	13.52%	98	1.219	22	21.91%
29	11-May-92	TR#1	124	23.18%	98	1.260	26	25.97%
30	12-May-92	ND#1	128	14.19%	98	1.300	30	30.04%
31	12-May-92	TR#1	94	27.33%	98	0.955	-4	-4.50%
32	18-May-92	ND#1	125	15.92%	98	1.270	27	27.01%
33	26-May-92	ND#1	102	14.60%	98	1.037	4	3.66%
34	27-May-92	ND#1	65	24.54%	98	0.661	-33	-33.94%
35	1-Jun-92	ND#1	108	14.52%	98	1.098	10	9.77%
36	5-Jun-92	ND#1	67	23.22%	98	0.681	-31	-31.90%
37	8-Jun-92	ND#1	95	20.61%	98	0.966	-3	-3.43%
38	11-Jun-92	TR#1	114	21.19%	98	1.159	16	15.89%
39	12-Jun-92	ND#1	107	22.94%	98	1.088	9	8.78%
40	16-Jun-92	TR#1	103	28.91%	98	1.047	5	4.72%
41	17-Jun-92	ND#1	88	19.45%	98	0.895	-10	-10.53%
42	19-Jun-92	ND#1	60	35.71%	98	0.610	-38	-38.99%

238-Pu/239-Pu DATA
2ND QUARTER 1992

RFP - ANAL. LAB. (continued)

#	Date Measured	Instr. ID	238/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
43	23-Jun-92	TR#1	138	15.82%	98	1.403	40	40.33%
44	29-Jun-92	TR#2	101	9.74%	98	1.027	3	2.71%

SAVANNAH RIVER
NO DATA REPORTED

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

Second Quarter 1992

REPORTING LABORATORY

	CSL	LLNL	LANL	MOUND	WHO	RFP	SRS
Mean Error (ppm)	****	-166	337	619	507	195	****
Std. Dev. (ppm)	****	256.35	1107.22	1588.43	472.34	1754.57	****
Unc. in Mean (ppm)	****	133.37	360.20	348.96	47.06	276.16	****
Mean Error (%)	****	-0.27%	0.54%	1.00%	0.82%	0.31%	****
Std. Dev. (%)	****	0.41%	1.78%	2.56%	0.76%	2.82%	****
Unc. in Mean (%)	****	0.22%	0.58%	0.56%	0.08%	0.44%	****

DIFFERENCE FROM LAST PERIOD

Diff. in Mean Error (ppm)	****	-47	513	1334	-39	-88	****
Diff. in Std. Dev. (ppm)	****	45.26	-154.91	562.92	-39.87	612.58	****
Diff. in Mean Error (%)	****	-0.08%	0.82%	2.15%	-0.06%	-0.14%	****
Diff. in Std. Dev. (%)	****	0.07%	-0.25%	0.91%	-0.06%	0.98%	****
Number of Data Points	0	5	12	15	53	44	0

*** NO DATA REPORTED FOR THIS MEASUREMENT IN THE PREVIOUS PERIOD**

LAWRENCE LIVERMORE - 240-PU/239-PU
3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

LOS ALAMOS - 240-PU/239-PU
 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

EG&G MOUND - 240-PJ/239-PJ
3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

WESTINGHOUSE HANFORD - 240-PU/239-PU 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

EG&G ROCKY FLATS - ANALYTICAL LAB.
 240-PU/239-PU - 3RD QUARTER 1991 - 2ND QUARTER 1992

**240-Pu/239-Pu DATA
2ND QUARTER 1992**

RFP - CSL

NO DATA REPORTED

LLNL

#	Date Measured	Instr. ID	240/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	7-Apr-92	1	61824	0.40%	62153	0.995	-328	-0.53%
2	12-May-92	1	61769	0.52%	62152	0.994	-383	-0.62%
3	29-May-92	1	61866	0.45%	62152	0.995	-286	-0.46%
4	2-Jun-92	1	62394	0.55%	62152	1.004	242	0.39%
5	8-Jun-92	1	62077	0.47%	62152	0.999	-75	-0.12%

LANL

#	Date Measured	Instr. ID	240/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	1-Apr-92	F6	62034	2.07%	62153	0.998	-119	-0.19%
2	15-Apr-92	F5	61133	1.75%	62152	0.984	-1019	-1.64%
3	15-Apr-92	F6	64291	1.89%	62152	1.034	2139	3.44%
4	22-Apr-92	F5	61921	2.09%	62152	0.996	-231	-0.37%
5	29-Apr-92	F6	60347	1.74%	62152	0.971	-1806	-2.91%
6	6-May-92	F6	63161	2.58%	62152	1.016	1009	1.62%
7	27-May-92	F5	62372	2.17%	62152	1.004	220	0.35%
8	27-May-92	F6	62816	2.08%	62152	1.011	664	1.07%
9	3-Jun-92	F5	62884	1.75%	62152	1.012	732	1.18%
10	4-Jun-92	F6	62027	2.23%	62152	0.998	-125	-0.20%
11	10-Jun-92	F5	62929	1.69%	62152	1.013	777	1.25%
12	11-Jun-92	F6	63952	1.68%	62152	1.029	1800	2.90%

EG&G MOUND

#	Date Measured	Instr. ID	240/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	11-Jun-92	GENIE2	61687	2.2%	62152	0.993	-465	-0.75%
2	15-Jun-92	GENIE2	65575	1.7%	62152	1.055	3423	5.51%
3	18-Jun-92	GENIE2	60124	2.4%	62152	0.967	-2028	-3.26%
4	18-Jun-92	GENIE2	61612	2.3%	62152	0.991	-540	-0.87%
5	18-Jun-92	GENIE2	64561	2.2%	62152	1.039	2409	3.88%
6	19-Jun-92	GENIE2	62629	2.3%	62152	1.008	477	0.77%
7	19-Jun-92	GENIE2	63167	2.2%	62152	1.016	1015	1.63%
8	19-Jun-92	GENIE2	62285	1.9%	62152	1.002	133	0.21%
9	19-Jun-92	GENIE2	61518	2.2%	62152	0.990	-634	-1.02%
10	19-Jun-92	GENIE2	63795	2.3%	62152	1.026	1643	2.64%
11	20-Jun-92	GENIE2	65574	2.2%	62152	1.055	3422	5.51%
12	20-Jun-92	GENIE2	61524	2.1%	62152	0.990	-628	-1.01%
13	29-Jun-92	GENIE2	62295	2.4%	62151	1.002	144	0.23%
14	29-Jun-92	GENIE2	63612	1.8%	62151	1.023	1461	2.35%
15	29-Jun-92	GENIE2	61607	2.0%	62151	0.991	-544	-0.88%

240-Pu/239-Pu DATA
2ND QUARTER 1992

HANFORD

#	Date Measured	Instr. ID	240/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	6-Apr-92	2026	62912	0.50%	62153	1.012	759	1.22%
2	8-Apr-92	2470	62339	0.69%	62153	1.003	186	0.30%
3	8-Apr-92	2026	63572	0.48%	62153	1.023	1419	2.28%
4	9-Apr-92	1985	62206	0.53%	62153	1.001	54	0.09%
5	10-Apr-92	2424	62481	0.44%	62152	1.005	328	0.53%
6	13-Apr-92	2424	62579	0.48%	62152	1.007	427	0.69%
7	13-Apr-92	2470	62051	0.69%	62152	0.998	-102	-0.16%
8	14-Apr-92	1985	62782	0.56%	62152	1.010	630	1.01%
9	14-Apr-92	2026	63125	0.50%	62152	1.016	972	1.56%
10	22-Apr-92	2424	63147	0.60%	62152	1.016	995	1.60%
11	22-Apr-92	2470	62341	0.67%	62152	1.003	189	0.30%
12	23-Apr-92	2026	63236	0.55%	62152	1.017	1083	1.74%
13	23-Apr-92	1985	61821	0.56%	62152	0.995	-331	-0.53%
14	27-Apr-92	2424	63051	0.49%	62152	1.014	899	1.45%
15	27-Apr-92	2470	62658	0.63%	62152	1.008	506	0.81%
16	27-Apr-92	2026	63413	0.54%	62152	1.020	1260	2.03%
17	28-Apr-92	1985	62457	0.50%	62152	1.005	304	0.49%
18	29-Apr-92	2424	62303	0.53%	62152	1.002	151	0.24%
19	4-May-92	2026	63517	0.47%	62152	1.022	1365	2.20%
20	4-May-92	1985	62808	0.52%	62152	1.011	656	1.05%
21	5-May-92	2470	62300	0.68%	62152	1.002	148	0.24%
22	5-May-92	2424	62610	0.48%	62152	1.007	458	0.74%
23	11-May-92	1985	61792	0.57%	62152	0.994	-360	-0.58%
24	12-May-92	2026	62398	0.51%	62152	1.004	245	0.39%
25	12-May-92	2424	62731	0.53%	62152	1.009	578	0.93%
26	13-May-92	2470	62197	0.68%	62152	1.001	45	0.07%
27	18-May-92	2424	62815	0.50%	62152	1.011	663	1.07%
28	19-May-92	1985	62043	0.52%	62152	0.998	-109	-0.17%
29	19-May-92	2026	63605	0.49%	62152	1.023	1453	2.34%
30	20-May-92	2470	61809	0.68%	62152	0.994	-343	-0.55%
31	26-May-92	1985	62768	0.55%	62152	1.010	616	0.99%
32	26-May-92	2026	61826	0.54%	62152	0.995	-325	-0.52%
33	26-May-92	2424	62645	0.49%	62152	1.008	493	0.79%
34	27-May-92	2470	62088	0.71%	62152	0.999	-63	-0.10%
35	27-May-92	2026	63074	0.51%	62152	1.015	922	1.48%
36	1-Jun-92	2026	62606	0.48%	62152	1.007	454	0.73%
37	1-Jun-92	2424	62713	0.53%	62152	1.009	561	0.90%
38	1-Jun-92	1985	62232	0.52%	62152	1.001	81	0.13%
39	8-Jun-92	1985	62360	0.56%	62152	1.003	208	0.34%
40	10-Jun-92	2424	62286	0.47%	62152	1.002	135	0.22%
41	10-Jun-92	1985	62592	0.52%	62152	1.007	440	0.71%
42	11-Jun-92	2026	62391	0.54%	62152	1.004	239	0.38%
43	15-Jun-92	2026	63658	0.53%	62152	1.024	1506	2.42%
44	15-Jun-92	1985	62791	0.53%	62152	1.010	639	1.03%
45	16-Jun-92	2424	63273	0.53%	62152	1.018	1121	1.80%
46	22-Jun-92	2026	63230	0.50%	62152	1.017	1078	1.74%
47	22-Jun-92	2424	62822	0.51%	62152	1.011	671	1.08%
48	25-Jun-92	1985	62720	0.61%	62152	1.009	568	0.91%
49	25-Jun-92	2026	62903	0.50%	62152	1.012	752	1.21%

240-Pu/239-Pu DATA
2ND QUARTER 1992

HANFORD (continued)

#	Date Measured	Instr. ID	240/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
50	25-Jun-92	2424	62749	0.50%	62152	1.010	598	0.96%
51	29-Jun-92	1985	62579	0.56%	62151	1.007	427	0.69%
52	29-Jun-92	2026	62683	0.54%	62151	1.009	531	0.85%
53	30-Jun-92	2424	62819	0.48%	62151	1.011	668	1.07%

RFP - ANAL. LAB.

#	Date Measured	Instr. ID	240/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	14-Apr-92	TR#1	60127	3.08%	62152	0.967	-2025	-3.26%
2	14-Apr-92	TR#1	62571	3.45%	62152	1.007	419	0.67%
3	20-Apr-92	ND#1	65271	4.79%	62152	1.050	3119	5.02%
4	21-Apr-92	TR#1	61587	2.79%	62152	0.991	-565	-0.91%
5	22-Apr-92	ND#1	60510	2.34%	62152	0.974	-1642	-2.64%
6	22-Apr-92	ND#1	65001	1.77%	62152	1.046	2849	4.58%
7	22-Apr-92	TR#1	61295	2.70%	62152	0.986	-857	-1.38%
8	22-Apr-92	TR#1	61529	2.52%	62152	0.990	-623	-1.00%
9	23-Apr-92	ND#1	60032	2.38%	62152	0.966	-2120	-3.41%
10	23-Apr-92	TR#1	63718	3.59%	62152	1.025	1566	2.52%
11	27-Apr-92	ND#1	58844	3.69%	62152	0.947	-3308	-5.32%
12	27-Apr-92	TR#1	63032	2.64%	62152	1.014	880	1.42%
13	28-Apr-92	ND#1	61801	1.95%	62152	0.994	-351	-0.57%
14	28-Apr-92	TR#1	60681	3.64%	62152	0.976	-1471	-2.37%
15	29-Apr-92	ND#1	62014	1.54%	62152	0.998	-138	-0.22%
16	29-Apr-92	TR#1	64839	3.29%	62152	1.043	2687	4.32%
17	30-Apr-92	ND#1	60766	2.12%	62152	0.978	-1386	-2.23%
18	30-Apr-92	ND#1	61647	1.76%	62152	0.992	-505	-0.81%
19	30-Apr-92	TR#1	64260	3.01%	62152	1.034	2108	3.39%
20	4-May-92	TR#1	62908	4.18%	62152	1.012	756	1.22%
21	5-May-92	ND#1	62214	2.58%	62152	1.001	62	0.10%
22	5-May-92	ND#1	68437	4.90%	62152	1.101	6285	10.11%
23	5-May-92	TR#1	62938	2.67%	62152	1.013	786	1.26%
24	6-May-92	TR#1	62291	2.86%	62152	1.002	139	0.22%
25	8-May-92	ND#1	63151	1.74%	62152	1.016	999	1.61%
26	8-May-92	TR#1	63273	2.79%	62152	1.018	1121	1.80%
27	11-May-92	ND#1	61234	3.65%	62152	0.985	-918	-1.48%
28	11-May-92	ND#1	62102	1.82%	62152	0.999	-50	-0.08%
29	11-May-92	TR#1	65099	2.82%	62152	1.047	2947	4.74%
30	12-May-92	ND#1	61414	2.85%	62152	0.988	-738	-1.19%
31	12-May-92	TR#1	62294	3.90%	62152	1.002	142	0.23%
32	18-May-92	ND#1	63788	3.06%	62152	1.026	1636	2.63%
33	26-May-92	ND#1	62854	2.68%	62152	1.011	702	1.13%
34	27-May-92	ND#1	62927	1.69%	62152	1.012	775	1.25%
35	1-Jun-92	ND#1	61419	2.49%	62152	0.988	-733	-1.18%
36	5-Jun-92	ND#1	62195	4.02%	62152	1.001	43	0.07%
37	8-Jun-92	ND#1	61438	1.85%	62152	0.989	-714	-1.15%
38	11-Jun-92	TR#1	61671	3.15%	62152	0.992	-481	-0.77%
39	12-Jun-92	ND#1	58997	2.70%	62152	0.949	-3155	-5.08%
40	16-Jun-92	TR#1	63820	2.91%	62152	1.027	1668	2.68%
41	17-Jun-92	ND#1	61821	1.39%	62152	0.995	-331	-0.53%
42	19-Jun-92	ND#1	61508	2.54%	62152	0.990	-644	-1.04%

240-Pu/239-Pu DATA
2ND QUARTER 1992

RFP - ANAL. LAB. (co.

#	Date Measured	Instr. ID	240/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
43	23-Jun-92	TR#1	62849	3.15%	62152	1.011	697	1.12%
44	29-Jun-92	TR#2	61093	1.67%	62151	0.983	-1058	-1.70%

SAVANNAH RIVER
NO DATA REPORTED

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

Second Quarter 1992

	REPORTING LABORATORY						
	CSL	LLNL	LANL	MOUND	WHO	RFP	SRS
Mean Error (ppm)	****	-19	6	-9	-6	8	****
Std. Dev. (ppm)	****	3.43	4.86	6.36	11.57	39.06	****
Unc. in Mean (ppm)	****	3.35	0.77	2.80	1.10	3.25	****
Mean Error (%)	****	-0.89%	0.28%	-0.43%	-0.27%	0.38%	****
Std. Dev. (%)	****	0.16%	0.23%	0.30%	0.55%	1.87%	****
Unc. in Mean (%)	****	0.16%	0.04%	0.13%	0.05%	0.15%	****
DIFFERENCE FROM LAST PERIOD							
Diff. in Mean Error (ppm)	****	-11	3	-8	-4	8	****
Diff. in Std. Dev. (ppm)	****	-5.69	-1.43	0.94	0.63	6.20	****
Diff. in Mean Error (%)	****	-0.50%	0.16%	-0.37%	-0.18%	0.37%	****
Diff. in Std. Dev. (%)	****	-0.27%	-0.07%	0.04%	0.04%	0.33%	****
Number of Data Points	0	5	12	15	53	44	0

* NO DATA REPORTED FOR THIS MEASUREMENT IN THE PREVIOUS PERIOD

LAWRENCE LIVERMORE - 241-PU/239-PU
3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

LOS ALAMOS - 241-PU/239-PU
3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

EG&G MOUND - 241-PJ/239-PJ
3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

WESTINGHOUSE HANFORD - 241-PU/239-PU
 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

EG&G ROCKY FLATS - ANALYTICAL LAB.
 241-PJ/239-PJ - 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

**241-Pu/239-Pu DATA
2ND QUARTER 1992**

RFP - CSL

NO DATA REPORTED

LLNL

#	Date Measured	Instr. ID	241/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	7-Apr-92	1	2090	0.30%	2111	0.990	-20	-0.96%
2	12-May-92	1	2079	0.40%	2101	0.989	-22	-1.06%
3	29-May-92	1	2078	0.33%	2096	0.991	-18	-0.88%
4	2-Jun-92	1	2076	0.41%	2095	0.991	-19	-0.92%
5	8-Jun-92	1	2080	0.35%	2093	0.994	-13	-0.62%

LANL

#	Date Measured	Instr. ID	241/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	1-Apr-92	F6	2113	0.12%	2112	1.000	1	0.04%
2	15-Apr-92	F5	2123	0.11%	2108	1.007	14	0.69%
3	15-Apr-92	F6	2118	0.13%	2108	1.004	9	0.44%
4	22-Apr-92	F5	2112	0.13%	2106	1.003	5	0.25%
5	29-Apr-92	F6	2108	0.10%	2104	1.001	3	0.15%
6	6-May-92	F6	2113	0.16%	2103	1.005	11	0.51%
7	27-May-92	F5	2102	0.14%	2097	1.003	5	0.26%
8	27-May-92	F6	2099	0.13%	2097	1.001	2	0.09%
9	3-Jun-92	F5	2099	0.11%	2095	1.002	4	0.21%
10	4-Jun-92	F6	2092	0.14%	2094	0.999	-3	-0.13%
11	10-Jun-92	F5	2102	0.11%	2093	1.004	9	0.44%
12	11-Jun-92	F6	2102	0.11%	2093	1.005	10	0.45%

EG&G MOUND

#	Date Measured	Instr. ID	241/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	11-Jun-92	GENIE2	2090	0.5%	2093	0.999	-3	-0.12%
2	15-Jun-92	GENIE2	2084	0.5%	2091	0.996	-7	-0.36%
3	18-Jun-92	GENIE2	2073	0.5%	2091	0.992	-18	-0.84%
4	18-Jun-92	GENIE2	2078	0.6%	2091	0.994	-13	-0.60%
5	18-Jun-92	GENIE2	2083	0.5%	2091	0.996	-8	-0.36%
6	19-Jun-92	GENIE2	2084	0.5%	2090	0.997	-6	-0.30%
7	19-Jun-92	GENIE2	2080	0.5%	2090	0.995	-10	-0.49%
8	19-Jun-92	GENIE2	2068	0.6%	2090	0.989	-22	-1.07%
9	19-Jun-92	GENIE2	2086	0.5%	2090	0.998	-4	-0.21%
10	19-Jun-92	GENIE2	2079	0.6%	2090	0.995	-11	-0.54%
11	20-Jun-92	GENIE2	2090	0.5%	2090	1.000	0	0.00%
12	20-Jun-92	GENIE2	2074	0.5%	2090	0.992	-16	-0.77%
13	29-Jun-92	GENIE2	2079	0.5%	2088	0.996	-9	-0.41%
14	29-Jun-92	GENIE2	2088	0.5%	2088	1.000	0	0.02%
15	29-Jun-92	GENIE2	2078	0.5%	2088	0.995	-10	-0.46%

241-Pu/239-Pu DATA
2ND QUARTER 1992

HANFORD

#	Date Measured	Instr. ID	241/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	6-Apr-92	2026	2098	0.35%	2111	0.994	-13	-0.62%
2	8-Apr-92	2470	2124	0.48%	2110	1.007	14	0.65%
3	8-Apr-92	2026	2105	0.34%	2110	0.998	-5	-0.23%
4	9-Apr-92	1985	2099	0.36%	2110	0.995	-11	-0.50%
5	10-Apr-92	2424	2101	0.31%	2110	0.996	-9	-0.41%
6	13-Apr-92	2424	2091	0.34%	2109	0.991	-18	-0.87%
7	13-Apr-92	2470	2118	0.47%	2109	1.004	9	0.44%
8	14-Apr-92	1985	2108	0.39%	2109	1.000	-1	-0.03%
9	14-Apr-92	2026	2103	0.35%	2109	0.998	-5	-0.25%
10	22-Apr-92	2424	2071	0.42%	2106	0.983	-36	-1.70%
11	22-Apr-92	2470	2111	0.46%	2106	1.002	5	0.24%
12	23-Apr-92	2026	2098	0.39%	2106	0.996	-8	-0.37%
13	23-Apr-92	1985	2082	0.39%	2106	0.988	-24	-1.16%
14	27-Apr-92	2424	2100	0.35%	2105	0.998	-5	-0.23%
15	27-Apr-92	2470	2116	0.43%	2105	1.005	11	0.53%
16	27-Apr-92	2026	2109	0.38%	2105	1.002	4	0.20%
17	28-Apr-92	1985	2095	0.35%	2105	0.995	-10	-0.48%
18	29-Apr-92	2424	2093	0.38%	2104	0.995	-11	-0.53%
19	4-May-92	2026	2095	0.33%	2103	0.996	-8	-0.40%
20	4-May-92	1985	2084	0.36%	2103	0.991	-19	-0.92%
21	5-May-92	2470	2107	0.46%	2103	1.002	4	0.20%
22	5-May-92	2424	2108	0.34%	2103	1.002	5	0.23%
23	11-May-92	1985	2088	0.39%	2101	0.994	-13	-0.62%
24	12-May-92	2026	2099	0.36%	2101	0.999	-2	-0.10%
25	12-May-92	2424	2095	0.38%	2101	0.997	-6	-0.27%
26	13-May-92	2470	2106	0.47%	2101	1.002	5	0.25%
27	18-May-92	2424	2072	0.36%	2099	0.987	-27	-1.29%
28	19-May-92	1985	2073	0.36%	2099	0.987	-26	-1.25%
29	19-May-92	2026	2111	0.35%	2099	1.006	12	0.56%
30	20-May-92	2470	2108	0.47%	2099	1.005	10	0.46%
31	26-May-92	1985	2085	0.38%	2097	0.994	-12	-0.59%
32	26-May-92	2026	2087	0.38%	2097	0.995	-10	-0.47%
33	26-May-92	2424	2100	0.35%	2097	1.002	3	0.16%
34	27-May-92	2470	2115	0.49%	2097	1.009	18	0.88%
35	27-May-92	2026	2094	0.36%	2097	0.999	-3	-0.14%
36	1-Jun-92	2026	2100	0.34%	2095	1.002	5	0.24%
37	1-Jun-92	2424	2093	0.38%	2095	0.999	-2	-0.11%
38	1-Jun-92	1985	2069	0.36%	2095	0.987	-27	-1.26%
39	8-Jun-92	1985	2075	0.39%	2093	0.991	-18	-0.86%
40	10-Jun-92	2424	2093	0.33%	2093	1.000	0	0.02%
41	10-Jun-92	1985	2079	0.36%	2093	0.993	-14	-0.66%
42	11-Jun-92	2026	2098	0.38%	2093	1.002	5	0.25%
43	15-Jun-92	2026	2092	0.38%	2091	1.000	0	0.02%
44	15-Jun-92	1985	2083	0.37%	2091	0.996	-9	-0.42%
45	16-Jun-92	2424	2091	0.38%	2091	1.000	0	-0.01%
46	22-Jun-92	2026	2088	0.36%	2090	0.999	-2	-0.08%
47	22-Jun-92	2424	2081	0.37%	2090	0.996	-9	-0.43%
48	25-Jun-92	1985	2069	0.42%	2089	0.990	-20	-0.96%
49	25-Jun-92	2026	2086	0.36%	2089	0.999	-3	-0.13%

241-Pu/239-Pu DATA
2ND QUARTER 1992

HANFORD (continued)

#	Date Measured	Instr. ID	241/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
50	25-Jun-92	2424	2080	0.36%	2089	0.996	-8	-0.39%
51	29-Jun-92	1985	2069	0.39%	2088	0.991	-18	-0.87%
52	29-Jun-92	2026	2093	0.38%	2088	1.003	5	0.26%
53	30-Jun-92	2424	2082	0.34%	2087	0.997	-6	-0.27%

RFP - ANAL. LAB.

#	Date Measured	Instr. ID	241/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	14-Apr-92	TR#1	2090	0.95%	2109	0.991	-19	-0.88%
2	14-Apr-92	TR#1	2113	0.96%	2109	1.002	4	0.21%
3	20-Apr-92	ND#1	2147	2.25%	2107	1.019	40	1.90%
4	21-Apr-92	TR#1	2099	0.92%	2107	0.996	-8	-0.37%
5	22-Apr-92	ND#1	2109	1.00%	2106	1.001	3	0.12%
6	22-Apr-92	ND#1	2114	1.10%	2106	1.004	8	0.36%
7	22-Apr-92	TR#1	2119	0.95%	2106	1.006	13	0.60%
8	22-Apr-92	TR#1	2049	0.91%	2106	0.973	-57	-2.73%
9	23-Apr-92	ND#1	2100	0.97%	2106	0.997	-6	-0.29%
10	23-Apr-92	TR#1	2118	0.93%	2106	1.006	12	0.56%
11	27-Apr-92	ND#1	2107	1.03%	2105	1.001	2	0.09%
12	27-Apr-92	TR#1	2112	0.96%	2105	1.003	7	0.33%
13	28-Apr-92	ND#1	2099	1.04%	2105	0.997	-6	-0.27%
14	28-Apr-92	TR#1	2096	0.98%	2105	0.996	-9	-0.42%
15	29-Apr-92	ND#1	2091	1.01%	2104	0.994	-13	-0.64%
16	29-Apr-92	TR#1	2102	0.91%	2104	0.999	-2	-0.12%
17	30-Apr-92	ND#1	2101	1.17%	2104	0.998	-3	-0.15%
18	30-Apr-92	ND#1	2126	1.06%	2104	1.010	22	1.04%
19	30-Apr-92	TR#1	2108	0.93%	2104	1.002	4	0.18%
20	4-May-92	TR#1	2108	0.86%	2103	1.002	5	0.23%
21	5-May-92	ND#1	2095	0.99%	2103	0.996	-8	-0.37%
22	5-May-92	ND#1	2131	1.04%	2103	1.013	28	1.34%
23	5-May-92	TR#1	2133	0.92%	2103	1.014	30	1.44%
24	6-May-92	TR#1	2090	0.88%	2103	0.994	-13	-0.60%
25	8-May-92	ND#1	2077	1.03%	2102	0.988	-25	-1.19%
26	8-May-92	TR#1	2106	0.89%	2102	1.002	4	0.19%
27	11-May-92	ND#1	2119	0.10%	2101	1.009	18	0.85%
28	11-May-92	ND#1	2121	0.99%	2101	1.009	20	0.95%
29	11-May-92	TR#1	2109	0.92%	2101	1.004	8	0.37%
30	12-May-92	ND#1	2120	1.04%	2101	1.009	19	0.91%
31	12-May-92	TR#1	2093	0.91%	2101	0.996	-8	-0.37%
32	18-May-92	ND#1	2080	1.16%	2099	0.991	-19	-0.91%
33	26-May-92	ND#1	2090	0.96%	2097	0.997	-7	-0.33%
34	27-May-92	ND#1	2078	0.96%	2097	0.991	-19	-0.89%
35	1-Jun-92	ND#1	2118	1.00%	2095	1.011	23	1.08%
36	5-Jun-92	ND#1	2095	1.00%	2094	1.000	1	0.04%
37	8-Jun-92	ND#1	2084	0.94%	2093	0.996	-9	-0.45%
38	11-Jun-92	TR#1	2103	1.05%	2093	1.005	10	0.50%
39	12-Jun-92	ND#1	2110	1.28%	2092	1.008	18	0.85%
40	16-Jun-92	TR#1	2105	0.91%	2091	1.007	14	0.66%
41	17-Jun-92	ND#1	2321	0.88%	2091	1.110	230	11.01%
42	19-Jun-92	ND#1	2144	1.22%	2090	1.026	54	2.57%

241-Pu/239-Pu DATA
2ND QUARTER 1992

RFP - ANAL. LAB. (co.

#	Date Measured	Instr. ID	241/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
43	23-Jun-92	TR#1	2077	0.94%	2089	0.994	-12	-0.59%
44	29-Jun-92	TR#2	2083	0.57%	2088	0.998	-5	-0.22%

SAVANNAH RIVER
NO DATA REPORTED

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

Second Quarter 1992

	REPORTING LABORATORY						
	CSL	LLNL	LANL	MOUND	WHO	RFP	SRS
Mean Error (ppm)	****	-29	-27	24	-22	-5	****
Std. Dev. (ppm)	****	3.72	16.56	16.99	7.85	25.69	****
Unc. in Mean (ppm)	****	3.21	4.35	5.58	1.02	3.18	****
Mean Error (%)	****	-1.57%	-1.46%	1.27%	-1.16%	-0.29%	****
Std. Dev. (%)	****	0.20%	0.89%	0.90%	0.42%	1.37%	****
Unc. in Mean (%)	****	0.17%	0.24%	0.29%	0.06%	0.17%	****
DIFFERENCE FROM LAST PERIOD							
Diff. in Mean Error (ppm)	****	2	5	19	2	0	****
Diff. in Std. Dev. (ppm)	****	0.04	-5.41	9.49	-1.59	9.09	****
Diff. in Mean Error (%)	****	0.09%	0.29%	1.02%	0.14%	-0.02%	****
Diff. in Std. Dev. (%)	****	0.00%	-0.30%	0.49%	-0.09%	0.47%	****
Number of Data Points	0	5	12	15	53	44	0

* NO DATA REPORTED FOR THIS MEASUREMENT IN THE PREVIOUS PERIOD

LAWRENCE LIVERMORE - 241-AM/239-PU
 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

LOS ALAMOS - 241-AM/239-PU
3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

*EG&G MOUND - 241-AM/239-PU
3RD QUARTER 1991 - 2ND QUARTER 1992*

All standard deviation and uncertainty limits are at two-sigma.

WESTINGHOUSE HANFORD - 241-AM/239-PU
3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

*EG&G ROCKY FLATS -- ANALYTICAL LAB.
241-AM/239-PU -- 3RD QUARTER 1991 -- 2ND QUARTER 1992*

All standard deviation and uncertainty limits are at two-sigma.

Am/239-Pu DATA
2ND QUARTER 1992

RFP - CSL

NO DATA REPORTED

LLNL

#	Date Measured	Instr. ID	Am/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	7-Apr-92	1	1831	0.33%	1861	0.984	-30	-1.63%
2	12-May-92	1	1841	0.42%	1871	0.984	-29	-1.58%
3	29-May-92	1	1849	0.36%	1875	0.986	-26	-1.41%
4	2-Jun-92	1	1841	0.45%	1876	0.981	-35	-1.87%
5	8-Jun-92	1	1852	0.38%	1878	0.986	-26	-1.36%

LANL

#	Date Measured	Instr. ID	Am/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	1-Apr-92	F6	1816	0.87%	1859	0.977	-43	-2.32%
2	15-Apr-92	F5	1822	0.70%	1863	0.978	-41	-2.21%
3	15-Apr-92	F6	1842	0.80%	1863	0.989	-21	-1.12%
4	22-Apr-92	F5	1844	0.83%	1865	0.988	-22	-1.16%
5	29-Apr-92	F6	1836	0.70%	1867	0.983	-31	-1.69%
6	6-May-92	F6	1819	1.07%	1869	0.973	-50	-2.66%
7	27-May-92	F5	1854	0.86%	1875	0.989	-21	-1.11%
8	27-May-92	F6	1852	0.86%	1875	0.988	-22	-1.19%
9	3-Jun-92	F5	1864	0.70%	1876	0.993	-13	-0.67%
10	4-Jun-92	F6	1875	0.91%	1877	0.999	-2	-0.08%
11	10-Jun-92	F5	1869	0.68%	1878	0.995	-9	-0.48%
12	11-Jun-92	F6	1825	0.72%	1879	0.971	-54	-2.86%

EG&G MOUND

#	Date Measured	Instr. ID	Am/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	11-Jun-92	GENIE2	1886	1.2%	1879	1.004	7	0.39%
2	15-Jun-92	GENIE2	1908	1.1%	1880	1.015	28	1.50%
3	18-Jun-92	GENIE2	1904	1.1%	1881	1.012	23	1.25%
4	18-Jun-92	GENIE2	1935	1.2%	1881	1.029	54	2.90%
5	18-Jun-92	GENIE2	1890	1.1%	1881	1.005	9	0.50%
6	19-Jun-92	GENIE2	1891	1.1%	1881	1.005	10	0.54%
7	19-Jun-92	GENIE2	1918	1.1%	1881	1.020	37	1.98%
8	19-Jun-92	GENIE2	1932	1.1%	1881	1.027	51	2.72%
9	19-Jun-92	GENIE2	1901	1.2%	1881	1.011	20	1.07%
10	19-Jun-92	GENIE2	1907	1.1%	1881	1.014	26	1.39%
11	20-Jun-92	GENIE2	1914	1.1%	1881	1.018	33	1.75%
12	20-Jun-92	GENIE2	1885	1.2%	1881	1.002	4	0.21%
13	29-Jun-92	GENIE2	1925	1.2%	1883	1.022	42	2.21%
14	29-Jun-92	GENIE2	1891	1.1%	1883	1.004	8	0.40%
15	29-Jun-92	GENIE2	1887	1.1%	1883	1.002	4	0.19%

Am/239-Pu DATA
2ND QUARTER 1992

HANFORD

#	Date Measured	Instr. ID	Am/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	6-Apr-92	2026	1838	0.37%	1861	0.988	-23	-1.24%
2	8-Apr-92	2470	1823	0.51%	1861	0.979	-38	-2.06%
3	8-Apr-92	2026	1849	0.36%	1861	0.994	-12	-0.64%
4	9-Apr-92	1985	1845	0.39%	1862	0.991	-17	-0.90%
5	10-Apr-92	2424	1835	0.32%	1862	0.985	-27	-1.45%
6	13-Apr-92	2424	1851	0.36%	1863	0.994	-12	-0.64%
7	13-Apr-92	2470	1835	0.50%	1863	0.985	-27	-1.48%
8	14-Apr-92	1985	1848	0.42%	1863	0.992	-15	-0.80%
9	14-Apr-92	2026	1846	0.37%	1863	0.991	-17	-0.94%
10	22-Apr-92	2424	1861	0.44%	1865	0.998	-4	-0.21%
11	22-Apr-92	2470	1823	0.49%	1865	0.977	-42	-2.26%
12	23-Apr-92	2026	1843	0.41%	1865	0.988	-23	-1.23%
13	23-Apr-92	1985	1844	0.41%	1865	0.989	-21	-1.14%
14	27-Apr-92	2424	1850	0.36%	1867	0.991	-17	-0.91%
15	27-Apr-92	2470	1834	0.46%	1867	0.983	-32	-1.73%
16	27-Apr-92	2026	1846	0.40%	1867	0.989	-20	-1.10%
17	28-Apr-92	1985	1838	0.37%	1867	0.985	-29	-1.54%
18	29-Apr-92	2424	1850	0.40%	1867	0.991	-17	-0.89%
19	4-May-92	2026	1849	0.34%	1868	0.990	-19	-1.02%
20	4-May-92	1985	1844	0.38%	1868	0.987	-25	-1.31%
21	5-May-92	2470	1841	0.49%	1869	0.985	-28	-1.49%
22	5-May-92	2424	1860	0.36%	1869	0.996	-8	-0.44%
23	11-May-92	1985	1851	0.42%	1870	0.989	-20	-1.06%
24	12-May-92	2026	1850	0.38%	1871	0.989	-21	-1.12%
25	12-May-92	2424	1847	0.39%	1871	0.987	-24	-1.26%
26	13-May-92	2470	1846	0.50%	1871	0.987	-25	-1.33%
27	18-May-92	2424	1849	0.37%	1872	0.988	-23	-1.23%
28	19-May-92	1985	1851	0.38%	1872	0.989	-22	-1.15%
29	19-May-92	2026	1860	0.37%	1872	0.993	-12	-0.66%
30	20-May-92	2470	1835	0.50%	1873	0.980	-38	-2.03%
31	26-May-92	1985	1856	0.41%	1874	0.990	-18	-0.95%
32	26-May-92	2026	1838	0.40%	1874	0.981	-36	-1.94%
33	26-May-92	2424	1857	0.36%	1874	0.991	-17	-0.91%
34	27-May-92	2470	1851	0.51%	1875	0.987	-23	-1.25%
35	27-May-92	2026	1854	0.38%	1875	0.989	-21	-1.11%
36	1-Jun-92	2026	1855	0.35%	1876	0.989	-21	-1.11%
37	1-Jun-92	2424	1866	0.39%	1876	0.995	-10	-0.54%
38	1-Jun-92	1985	1839	0.38%	1876	0.980	-37	-1.99%
39	8-Jun-92	1985	1850	0.41%	1878	0.985	-27	-1.46%
40	10-Jun-92	2424	1864	0.35%	1878	0.992	-14	-0.76%
41	10-Jun-92	1985	1855	0.38%	1878	0.988	-23	-1.24%
42	11-Jun-92	2026	1858	0.40%	1879	0.989	-21	-1.10%
43	15-Jun-92	2026	1864	0.40%	1880	0.992	-15	-0.81%
44	15-Jun-92	1985	1855	0.39%	1880	0.987	-24	-1.29%
45	16-Jun-92	2424	1862	0.40%	1880	0.990	-18	-0.98%
46	22-Jun-92	2026	1857	0.37%	1882	0.987	-24	-1.29%
47	22-Jun-92	2424	1865	0.38%	1882	0.991	-17	-0.88%
48	25-Jun-92	1985	1863	0.45%	1882	0.990	-20	-1.05%
49	25-Jun-92	2026	1859	0.37%	1882	0.987	-24	-1.25%

Am/239-Pu DATA
2ND QUARTER 1992

HANFORD (continued)

#	Date Measured	Instr. ID	Am/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
50	25-Jun-92	2424	1865	0.37%	1882	0.991	-17	-0.93%
51	29-Jun-92	1985	1855	0.41%	1883	0.985	-28	-1.51%
52	29-Jun-92	2026	1861	0.40%	1883	0.988	-23	-1.22%
53	30-Jun-92	2424	1873	0.35%	1884	0.995	-10	-0.54%

RFP - ANAL. LAB.

#	Date Measured	Instr. ID	Am/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
1	14-Apr-92	TR#1	1836	1.19%	1863	0.986	-27	-1.45%
2	14-Apr-92	TR#1	1870	1.23%	1863	1.004	7	0.38%
3	20-Apr-92	ND#1	1865	2.07%	1865	1.000	0	0.02%
4	21-Apr-92	TR#1	1829	1.11%	1865	0.981	-36	-1.92%
5	22-Apr-92	ND#1	1866	1.02%	1865	1.000	1	0.05%
6	22-Apr-92	ND#1	1872	0.84%	1865	1.004	7	0.37%
7	22-Apr-92	TR#1	1840	1.08%	1865	0.987	-25	-1.35%
8	22-Apr-92	TR#1	1834	0.98%	1865	0.983	-31	-1.67%
9	23-Apr-92	ND#1	1858	1.01%	1865	0.996	-7	-0.40%
10	23-Apr-92	TR#1	1862	1.34%	1865	0.998	-3	-0.18%
11	27-Apr-92	ND#1	1896	1.35%	1867	1.016	29	1.58%
12	27-Apr-92	TR#1	1856	1.04%	1867	0.994	-11	-0.56%
13	28-Apr-92	ND#1	1858	0.84%	1867	0.995	-9	-0.47%
14	28-Apr-92	TR#1	1864	1.34%	1867	0.999	-3	-0.15%
15	29-Apr-92	ND#1	1869	0.70%	1867	1.001	2	0.10%
16	29-Apr-92	TR#1	1830	1.36%	1867	0.980	-37	-1.98%
17	30-Apr-92	ND#1	1884	0.94%	1867	1.009	17	0.89%
18	30-Apr-92	ND#1	1868	0.76%	1867	1.000	1	0.04%
19	30-Apr-92	TR#1	1855	1.22%	1867	0.993	-12	-0.66%
20	4-May-92	TR#1	1832	1.42%	1868	0.981	-36	-1.95%
21	5-May-92	ND#1	1875	1.10%	1869	1.003	6	0.34%
22	5-May-92	ND#1	1864	0.83%	1869	0.998	-5	-0.25%
23	5-May-92	TR#1	1856	1.08%	1869	0.993	-13	-0.68%
24	6-May-92	TR#1	1832	1.14%	1869	0.980	-37	-1.98%
25	8-May-92	ND#1	1873	0.80%	1869	1.002	4	0.19%
26	8-May-92	TR#1	1855	1.10%	1869	0.992	-14	-0.77%
27	11-May-92	ND#1	1906	1.29%	1870	1.019	36	1.91%
28	11-May-92	ND#1	1863	0.82%	1870	0.996	-7	-0.39%
29	11-May-92	TR#1	1849	1.15%	1870	0.989	-21	-1.14%
30	12-May-92	ND#1	1875	1.12%	1871	1.002	4	0.24%
31	12-May-92	TR#1	1814	1.53%	1871	0.970	-57	-3.02%
32	18-May-92	ND#1	1868	1.28%	1872	0.998	-4	-0.22%
33	26-May-92	ND#1	1889	1.14%	1874	1.008	15	0.78%
34	27-May-92	ND#1	1866	0.78%	1875	0.995	-9	-0.46%
35	1-Jun-92	ND#1	1891	1.06%	1876	1.008	15	0.80%
36	5-Jun-92	ND#1	1863	1.51%	1877	0.993	-14	-0.75%
37	8-Jun-92	ND#1	1851	0.79%	1878	0.986	-27	-1.43%
38	11-Jun-92	TR#1	1885	1.19%	1879	1.003	6	0.34%
39	12-Jun-92	ND#1	1889	1.12%	1879	1.005	10	0.54%
40	16-Jun-92	TR#1	1857	1.18%	1880	0.988	-23	-1.22%
41	17-Jun-92	ND#1	1982	0.58%	1880	1.054	102	5.41%
42	19-Jun-92	ND#1	1895	1.07%	1881	1.008	14	0.76%

Am/239-Pu DATA
2ND QUARTER 1992

RFP - ANAL. LAB. (co.

#	Date Measured	Instr. ID	Am/239 (ppm)	Uncert. 1 STD	Accepted PPM	Ratio M/A	PPM Error	Percent Error
43	23-Jun-92	TR#1	1886	1.23%	1882	1.002	4	0.22%
44	29-Jun-92	TR#2	1837	0.67%	1883	0.975	-46	-2.47%

SAVANNAH RIVER
NO DATA REPORTED

RESULTS OF ANALYSIS OF PERCENT 238-Pu DATA

Second Quarter 1992

	REPORTING LABORATORY						
	CSL	LLNL	LANL	MOUND	WHO	RFP	SRS
Mean Error (weight %)	****	-0.0003%	0.0007%	0.0005%	0.0003%	0.0010%	****
Std. Dev. (weight %)	****	0.0002%	0.0008%	0.0006%	0.0006%	0.0023%	****
Inc. in Mean (weight %)	****	0.0001%	0.0002%	0.0002%	0.0001%	0.0003%	****
Mean Error (%)	****	-3.08%	7.74%	5.58%	3.12%	11.34%	****
Std. Dev. (%)	****	2.46%	8.31%	6.86%	6.08%	25.02%	****
Inc. in Mean (%)	****	1.61%	2.03%	1.62%	0.53%	3.00%	****
DIFFERENCE FROM LAST PERIOD							
Diff. in Mean Error (wt. %)	****	-0.0001%	0.0000%	0.0000%	-0.0001%	0.0002%	****
Diff. in Std. Dev. (wt. %)	****	-0.0010%	0.0001%	0.0001%	0.0001%	0.0007%	****
Diff. in Mean Error (%)	****	-12.61%	-0.13%	0.07%	-1.13%	2.72%	****
Diff. in Std. Dev. (%)	****	-10.44%	1.22%	1.62%	0.16%	8.19%	****
Number of Data Points	0	5	12	15	53	44	0

NO DATA REPORTED FOR THIS MEASUREMENT IN THE PREVIOUS PERIOD

LAWRENCE LIVERMORE - PERCENT 238-PU 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

LOS ALAMOS - PERCENT 238-PU
3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

EG&G MOUND - PERCENT 238-Pu 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

WESTINGHOUSE HANFORD - PERCENT 238-PU
 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

EG&G ROCKY FLATS - ANALYTICAL LAB.
 PERCENT 238-PU - 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

WEIGHT PERCENT 238-Pu DATA
2ND QUARTER 1992

RFP - CSL

NO DATA REPORTED

LLNL

#	Date Measured	Instr. ID	238-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	7-Apr-92	1	0.0091%	2.89%	0.0092%	0.988	-0.0001%	-1.21%
2	12-May-92	1	0.0087%	4.04%	0.0092%	0.945	-0.0005%	-5.48%
3	29-May-92	1	0.0092%	3.21%	0.0092%	1.000	0.0000%	-0.01%
4	2-Jun-92	1	0.0087%	4.24%	0.0092%	0.946	-0.0005%	-5.44%
5	8-Jun-92	1	0.0089%	3.45%	0.0092%	0.968	-0.0003%	-3.25%

LANL

#	Date Measured	Instr. ID	238-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	1-Apr-92	F6	0.0096%	7.60%	0.0092%	1.042	0.0004%	4.21%
2	15-Apr-92	F5	0.0097%	6.10%	0.0092%	1.053	0.0005%	5.33%
3	15-Apr-92	F6	0.0099%	6.90%	0.0092%	1.075	0.0007%	7.50%
4	22-Apr-92	F5	0.0097%	7.40%	0.0092%	1.053	0.0005%	5.34%
5	29-Apr-92	F6	0.0087%	6.80%	0.0092%	0.945	-0.0005%	-5.50%
6	6-May-92	F6	0.0109%	8.50%	0.0092%	1.184	0.0017%	18.41%
7	27-May-92	F5	0.0100%	7.50%	0.0092%	1.087	0.0008%	8.68%
8	27-May-92	F6	0.0101%	7.30%	0.0092%	1.098	0.0009%	9.77%
9	3-Jun-92	F5	0.0109%	5.60%	0.0092%	1.185	0.0017%	18.48%
10	4-Jun-92	F6	0.0107%	7.30%	0.0092%	1.163	0.0015%	16.31%
11	10-Jun-92	F5	0.0085%	6.90%	0.0092%	0.924	-0.0007%	-7.59%
12	11-Jun-92	F6	0.0103%	5.80%	0.0092%	1.120	0.0011%	11.98%

EG&G MOUND

#	Date Measured	Instr. ID	238-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	11-Jun-92	GENIE2	0.0098%	5.4%	0.0092%	1.068	0.0006%	6.82%
2	15-Jun-92	GENIE2	0.0103%	6.4%	0.0092%	1.115	0.0011%	11.51%
3	18-Jun-92	GENIE2	0.0100%	5.6%	0.0092%	1.090	0.0008%	9.03%
4	18-Jun-92	GENIE2	0.0089%	6.9%	0.0092%	0.967	-0.0003%	-3.33%
5	18-Jun-92	GENIE2	0.0097%	6.5%	0.0092%	1.055	0.0005%	5.53%
6	19-Jun-92	GENIE2	0.0095%	5.9%	0.0092%	1.037	0.0003%	3.69%
7	19-Jun-92	GENIE2	0.0102%	6.1%	0.0092%	1.108	0.0010%	10.75%
8	19-Jun-92	GENIE2	0.0100%	7.1%	0.0092%	1.088	0.0008%	8.81%
9	19-Jun-92	GENIE2	0.0098%	6.3%	0.0092%	1.069	0.0006%	6.85%
10	19-Jun-92	GENIE2	0.0090%	6.7%	0.0092%	0.975	-0.0002%	-2.51%
11	20-Jun-92	GENIE2	0.0102%	6.0%	0.0092%	1.105	0.0010%	10.50%
12	20-Jun-92	GENIE2	0.0107%	6.2%	0.0092%	1.160	0.0015%	16.02%
13	29-Jun-92	GENIE2	0.0084%	7.0%	0.0092%	0.915	-0.0008%	-8.46%
14	29-Jun-92	GENIE2	0.0090%	5.8%	0.0092%	0.975	-0.0002%	-2.48%
15	29-Jun-92	GENIE2	0.0102%	6.0%	0.0092%	1.109	0.0010%	10.94%

WEIGHT PERCENT 238-Pu DATA
2ND QUARTER 1992

HANFORD

#	Date Measured	Instr. ID	238-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	6-Apr-92	2026	0.0097%	3.46%	0.0092%	1.053	0.0005%	5.31%
2	8-Apr-92	2470	0.0101%	4.56%	0.0092%	1.097	0.0009%	9.65%
3	8-Apr-92	2026	0.0100%	3.28%	0.0092%	1.086	0.0008%	8.57%
4	9-Apr-92	1985	0.0089%	4.02%	0.0092%	0.966	-0.0003%	-3.37%
5	10-Apr-92	2424	0.0094%	3.03%	0.0092%	1.021	0.0002%	2.06%
6	13-Apr-92	2424	0.0095%	3.36%	0.0092%	1.031	0.0003%	3.15%
7	13-Apr-92	2470	0.0100%	4.54%	0.0092%	1.086	0.0008%	8.58%
8	14-Apr-92	1985	0.0091%	4.21%	0.0092%	0.988	-0.0001%	-1.19%
9	14-Apr-92	2026	0.0106%	3.19%	0.0092%	1.151	0.0014%	15.10%
10	22-Apr-92	2424	0.0087%	4.55%	0.0092%	0.945	-0.0005%	-5.52%
11	22-Apr-92	2470	0.0099%	4.50%	0.0092%	1.075	0.0007%	7.51%
12	23-Apr-92	2026	0.0099%	3.78%	0.0092%	1.075	0.0007%	7.52%
13	23-Apr-92	1985	0.0086%	4.35%	0.0092%	0.934	-0.0006%	-6.60%
14	27-Apr-92	2424	0.0093%	3.48%	0.0092%	1.010	0.0001%	1.01%
15	27-Apr-92	2470	0.0097%	4.30%	0.0092%	1.054	0.0005%	5.35%
16	27-Apr-92	2026	0.0102%	3.62%	0.0092%	1.108	0.0010%	10.78%
17	28-Apr-92	1985	0.0094%	3.61%	0.0092%	1.021	0.0002%	2.10%
18	29-Apr-92	2424	0.0088%	3.97%	0.0092%	0.956	-0.0004%	-4.42%
19	4-May-92	2026	0.0099%	3.11%	0.0092%	1.075	0.0007%	7.54%
20	4-May-92	1985	0.0091%	3.85%	0.0092%	0.989	-0.0001%	-1.15%
21	5-May-92	2470	0.0099%	4.53%	0.0092%	1.075	0.0007%	7.54%
22	5-May-92	2424	0.0099%	3.20%	0.0092%	1.075	0.0007%	7.54%
23	11-May-92	1985	0.0087%	4.37%	0.0092%	0.945	-0.0005%	-5.48%
24	12-May-92	2026	0.0097%	3.54%	0.0092%	1.054	0.0005%	5.39%
25	12-May-92	2424	0.0091%	3.83%	0.0092%	0.989	-0.0001%	-1.13%
26	13-May-92	2470	0.0097%	4.66%	0.0092%	1.054	0.0005%	5.39%
27	18-May-92	2424	0.0090%	3.65%	0.0092%	0.978	-0.0002%	-2.21%
28	19-May-92	1985	0.0085%	4.13%	0.0092%	0.924	-0.0007%	-7.64%
29	19-May-92	2026	0.0099%	3.40%	0.0092%	1.076	0.0007%	7.58%
30	20-May-92	2470	0.0096%	4.69%	0.0092%	1.043	0.0004%	4.32%
31	26-May-92	1985	0.0090%	4.17%	0.0092%	0.978	-0.0002%	-2.19%
32	26-May-92	2026	0.0095%	3.78%	0.0092%	1.032	0.0003%	3.24%
33	26-May-92	2424	0.0099%	3.29%	0.0092%	1.076	0.0007%	7.59%
34	27-May-92	2470	0.0095%	4.93%	0.0092%	1.032	0.0003%	3.25%
35	27-May-92	2026	0.0097%	3.57%	0.0092%	1.054	0.0005%	5.42%
36	1-Jun-92	2026	0.0095%	3.39%	0.0092%	1.033	0.0003%	3.26%
37	1-Jun-92	2424	0.0097%	3.59%	0.0092%	1.054	0.0005%	5.43%
38	1-Jun-92	1985	0.0086%	4.04%	0.0092%	0.935	-0.0006%	-6.52%
39	8-Jun-92	1985	0.0084%	4.47%	0.0092%	0.913	-0.0008%	-8.69%
40	10-Jun-92	2424	0.0093%	3.30%	0.0092%	1.011	0.0001%	1.10%
41	10-Jun-92	1985	0.0091%	3.82%	0.0092%	0.989	-0.0001%	-1.07%
42	11-Jun-92	2026	0.0102%	3.58%	0.0092%	1.109	0.0010%	10.89%
43	15-Jun-92	2026	0.0098%	3.75%	0.0092%	1.065	0.0006%	6.55%
44	15-Jun-92	1985	0.0088%	4.05%	0.0092%	0.957	-0.0004%	-4.32%
45	16-Jun-92	2424	0.0103%	3.43%	0.0092%	1.120	0.0011%	11.99%
46	22-Jun-92	2026	0.0106%	3.23%	0.0092%	1.153	0.0014%	15.27%
47	22-Jun-92	2424	0.0092%	3.68%	0.0092%	1.000	0.0000%	0.04%
48	25-Jun-92	1985	0.0087%	4.72%	0.0092%	0.946	-0.0005%	-5.39%
49	25-Jun-92	2026	0.0099%	3.45%	0.0092%	1.077	0.0007%	7.66%

WEIGHT PERCENT 238-Pu DATA
2ND QUARTER 1992

HANFORD (continued)

#	Date Measured	Instr. ID	238-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
50	25-Jun-92	2424	0.0099%	3.35%	0.0092%	1.077	0.0007%	7.66%
51	29-Jun-92	1985	0.0087%	4.33%	0.0092%	0.946	-0.0005%	-5.38%
52	29-Jun-92	2026	0.0102%	3.60%	0.0092%	1.109	0.0010%	10.93%
53	30-Jun-92	2424	0.0097%	3.23%	0.0092%	1.055	0.0005%	5.50%

RFP - ANAL. LAB.

#	Date Measured	Instr. ID	238-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	14-Apr-92	TR#1	0.0058%	26.70%	0.0092%	0.631	-0.0034%	-36.91%
2	14-Apr-92	TR#1	0.0129%	12.91%	0.0092%	1.401	0.0037%	40.09%
3	20-Apr-92	ND#1	0.0093%	41.94%	0.0092%	1.013	0.0001%	1.27%
4	21-Apr-92	TR#1	0.0104%	19.89%	0.0092%	1.128	0.0012%	12.81%
5	22-Apr-92	ND#1	0.0079%	19.34%	0.0092%	0.855	-0.0013%	-14.54%
6	22-Apr-92	ND#1	0.0091%	16.64%	0.0092%	0.993	-0.0001%	-0.72%
7	22-Apr-92	TR#1	0.0079%	19.75%	0.0092%	0.854	-0.0013%	-14.60%
8	22-Apr-92	TR#1	0.0104%	14.96%	0.0092%	1.128	0.0012%	12.82%
9	23-Apr-92	ND#1	0.0130%	11.22%	0.0092%	1.415	0.0038%	41.48%
10	23-Apr-92	TR#1	0.0103%	14.79%	0.0092%	1.116	0.0011%	11.57%
11	27-Apr-92	ND#1	0.0099%	15.75%	0.0092%	1.070	0.0006%	7.00%
12	27-Apr-92	TR#1	0.0109%	15.18%	0.0092%	1.188	0.0017%	18.76%
13	28-Apr-92	ND#1	0.0127%	12.92%	0.0092%	1.382	0.0035%	38.21%
14	28-Apr-92	TR#1	0.0124%	13.89%	0.0092%	1.343	0.0032%	34.28%
15	29-Apr-92	ND#1	0.0095%	16.26%	0.0092%	1.036	0.0003%	3.64%
16	29-Apr-92	TR#1	0.0090%	18.65%	0.0092%	0.973	-0.0003%	-2.72%
17	30-Apr-92	ND#1	0.0110%	14.49%	0.0092%	1.190	0.0018%	19.02%
18	30-Apr-92	ND#1	0.0122%	12.80%	0.0092%	1.321	0.0030%	32.13%
19	30-Apr-92	TR#1	0.0136%	15.35%	0.0092%	1.480	0.0044%	48.03%
20	4-May-92	TR#1	0.0127%	19.51%	0.0092%	1.381	0.0035%	38.08%
21	5-May-92	ND#1	0.0066%	22.62%	0.0092%	0.721	-0.0026%	-27.86%
22	5-May-92	ND#1	0.0086%	19.63%	0.0092%	0.929	-0.0007%	-7.07%
23	5-May-92	TR#1	0.0164%	13.57%	0.0092%	1.777	0.0071%	77.66%
24	6-May-92	TR#1	0.0127%	16.36%	0.0092%	1.382	0.0035%	38.17%
25	8-May-92	ND#1	0.0104%	15.46%	0.0092%	1.127	0.0012%	12.69%
26	8-May-92	TR#1	0.0100%	25.30%	0.0092%	1.086	0.0008%	8.61%
27	11-May-92	ND#1	0.0128%	18.32%	0.0092%	1.393	0.0036%	39.33%
28	11-May-92	ND#1	0.0112%	13.63%	0.0092%	1.219	0.0020%	21.95%
29	11-May-92	TR#1	0.0116%	23.33%	0.0092%	1.257	0.0024%	25.66%
30	12-May-92	ND#1	0.0120%	14.44%	0.0092%	1.302	0.0028%	30.16%
31	12-May-92	TR#1	0.0088%	27.57%	0.0092%	0.955	-0.0004%	-4.49%
32	18-May-92	ND#1	0.0117%	16.18%	0.0092%	1.268	0.0025%	26.85%
33	26-May-92	ND#1	0.0095%	14.82%	0.0092%	1.036	0.0003%	3.62%
34	27-May-92	ND#1	0.0061%	24.59%	0.0092%	0.660	-0.0031%	-33.97%
35	1-Jun-92	ND#1	0.0101%	14.71%	0.0092%	1.099	0.0009%	9.87%
36	5-Jun-92	ND#1	0.0063%	23.53%	0.0092%	0.681	-0.0029%	-31.88%
37	8-Jun-92	ND#1	0.0089%	20.68%	0.0092%	0.967	-0.0003%	-3.34%
38	11-Jun-92	TR#1	0.0107%	21.40%	0.0092%	1.160	0.0015%	15.97%
39	12-Jun-92	ND#1	0.0100%	23.08%	0.0092%	1.091	0.0008%	9.13%
40	16-Jun-92	TR#1	0.0096%	29.04%	0.0092%	1.046	0.0004%	4.58%
41	17-Jun-92	ND#1	0.0082%	19.49%	0.0092%	0.895	-0.0010%	-10.49%
42	19-Jun-92	ND#1	0.0056%	35.79%	0.0092%	0.611	-0.0036%	-38.94%

WEIGHT PERCENT 238-Pu DATA
2ND QUARTER 1992

RFP - ANAL. LAB. (co.

#	Date Measured	Instr. ID	238-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
43	23-Jun-92	TR#1	0.0129%	16.09%	0.0092%	1.403	0.0037%	40.27%
44	29-Jun-92	TR#2	0.0095%	9.87%	0.0092%	1.028	0.0003%	2.85%

SAVANNAH RIVER
NO DATA REPORTED

RESULTS OF ANALYSIS OF PERCENT 239-Pu DATA

Second Quarter 1992

	REPORTING LABORATORY						
	CSL	LLNL	LANL	MOUND	WHO	RFP	SRS
Mean Error (weight %)	****	0.4096%	0.3434%	-0.0270%	-0.0387%	0.0087%	****
Std. Dev. (weight %)	****	0.0242%	0.1278%	0.1408%	0.0422%	0.1555%	****
Jnc. in Mean (weight %)	****	0.0119%	0.0314%	0.0399%	0.0041%	0.0316%	****
Mean Error (%)	****	0.44%	0.37%	-0.03%	-0.04%	0.01%	****
Std. Dev. (%)	****	0.03%	0.14%	0.15%	0.04%	0.17%	****
Jnc. in Mean (%)	****	0.01%	0.03%	0.04%	0.00%	0.03%	****
DIFFERENCE FROM LAST PERIOD							
Diff. in Mean Error (wt. %)	****	0.0035%	-0.0680%	-0.1174%	0.0045%	0.0206%	****
Diff. in Std. Dev. (wt. %)	****	0.0061%	0.0159%	0.0500%	-0.0036%	0.0548%	****
Diff. in Mean Error (%)	****	0.01%	-0.07%	-0.13%	0.01%	0.02%	****
Diff. in Std. Dev. (%)	****	0.01%	0.02%	0.05%	-0.01%	0.06%	****
Number of Data Points	0	5	12	15	53	44	0

* NO DATA REPORTED FOR THIS MEASUREMENT IN THE PREVIOUS PERIOD

LAWRENCE LIVERMORE - PERCENT 239-PU 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

LOS ALAMOS - PERCENT 239-PU
3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

EG&G MOUND - PERCENT 239-PU 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

WESTINGHOUSE HANFORD - PERCENT 239-PU
 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

EG&G ROCKY FLATS - ANALYTICAL LAB.
 PERCENT 240-Pu. - 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

WEIGHT PERCENT 239-Pu DATA
2ND QUARTER 1992

RFP - CSL

NO DATA REPORTED

LLNL

#	Date Measured	Instr. ID	239-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	7-Apr-92	1	93.9300%	0.02%	93.5074%	1.005	0.4226%	0.45%
2	12-May-92	1	93.9400%	0.03%	93.5083%	1.005	0.4317%	0.46%
3	29-May-92	1	93.9300%	0.03%	93.5087%	1.005	0.4213%	0.45%
4	2-Jun-92	1	93.8800%	0.03%	93.5088%	1.004	0.3712%	0.40%
5	8-Jun-92	1	93.9100%	0.03%	93.5090%	1.004	0.4010%	0.43%

LANL

#	Date Measured	Instr. ID	239-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	1-Apr-92	F6	93.9100%	0.12%	93.5072%	1.004	0.4028%	0.43%
2	15-Apr-92	F5	93.9900%	0.10%	93.5076%	1.005	0.4824%	0.52%
3	15-Apr-92	F6	93.7100%	0.11%	93.5076%	1.002	0.2024%	0.22%
4	22-Apr-92	F5	93.9200%	0.12%	93.5077%	1.004	0.4123%	0.44%
5	29-Apr-92	F6	94.0600%	0.10%	93.5079%	1.006	0.5521%	0.59%
6	6-May-92	F6	93.8100%	0.15%	93.5081%	1.003	0.3019%	0.32%
7	27-May-92	F5	93.8800%	0.13%	93.5087%	1.004	0.3713%	0.40%
8	27-May-92	F6	93.8500%	0.12%	93.5087%	1.004	0.3413%	0.37%
9	3-Jun-92	F5	93.5900%	0.10%	93.5088%	1.001	0.0812%	0.09%
10	4-Jun-92	F6	93.9200%	0.13%	93.5089%	1.004	0.4111%	0.44%
11	10-Jun-92	F5	93.8400%	0.10%	93.5090%	1.004	0.3310%	0.35%
12	11-Jun-92	F6	93.7400%	0.10%	93.5090%	1.002	0.2310%	0.25%

EG&G MOUND

#	Date Measured	Instr. ID	239-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	11-Jun-92	GENIE2	93.9710%	0.2%	93.9029%	1.001	0.0682%	0.07%
2	15-Jun-92	GENIE2	93.6276%	0.1%	93.9030%	0.997	-0.2753%	-0.29%
3	18-Jun-92	GENIE2	94.1112%	0.2%	93.9031%	1.002	0.2081%	0.22%
4	18-Jun-92	GENIE2	93.9796%	0.2%	93.9031%	1.001	0.0766%	0.08%
5	18-Jun-92	GENIE2	93.7176%	0.2%	93.9031%	0.998	-0.1855%	-0.20%
6	19-Jun-92	GENIE2	93.8884%	0.2%	93.9031%	1.000	-0.0147%	-0.02%
7	19-Jun-92	GENIE2	93.8405%	0.2%	93.9031%	0.999	-0.0626%	-0.07%
8	19-Jun-92	GENIE2	93.9198%	0.1%	93.9031%	1.000	0.0167%	0.02%
9	19-Jun-92	GENIE2	93.9864%	0.2%	93.9031%	1.001	0.0833%	0.09%
10	19-Jun-92	GENIE2	93.7863%	0.2%	93.9031%	0.999	-0.1168%	-0.12%
11	20-Jun-92	GENIE2	93.6273%	0.2%	93.9031%	0.997	-0.2758%	-0.29%
12	20-Jun-92	GENIE2	93.9861%	0.2%	93.9031%	1.001	0.0830%	0.09%
13	29-Jun-92	GENIE2	93.9195%	0.2%	93.9033%	1.000	0.0161%	0.02%
14	29-Jun-92	GENIE2	93.8016%	0.1%	93.9033%	0.999	-0.1017%	-0.11%
15	29-Jun-92	GENIE2	93.9789%	0.2%	93.9033%	1.001	0.0755%	0.08%

WEIGHT PERCENT 239-Pu DATA
2ND QUARTER 1992

HANFORD

#	Date Measured	Instr. ID	239-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	6-Apr-92	2026	93.8403%	0.03%	93.9012%	0.999	-0.0609%	-0.06%
2	8-Apr-92	2470	93.8885%	0.04%	93.9012%	1.000	-0.0127%	-0.01%
3	8-Apr-92	2026	93.7808%	0.03%	93.9012%	0.999	-0.1204%	-0.13%
4	9-Apr-92	1985	93.9037%	0.03%	93.9012%	1.000	0.0025%	0.00%
5	10-Apr-92	2424	93.8787%	0.03%	93.9013%	1.000	-0.0226%	-0.02%
6	13-Apr-92	2424	93.8708%	0.03%	93.9013%	1.000	-0.0305%	-0.03%
7	13-Apr-92	2470	93.9148%	0.04%	93.9013%	1.000	0.0135%	0.01%
8	14-Apr-92	1985	93.8515%	0.03%	93.9014%	0.999	-0.0499%	-0.05%
9	14-Apr-92	2026	93.8202%	0.03%	93.9014%	0.999	-0.0812%	-0.09%
10	22-Apr-92	2424	93.8230%	0.04%	93.9016%	0.999	-0.0786%	-0.08%
11	22-Apr-92	2470	93.8898%	0.04%	93.9016%	1.000	-0.0118%	-0.01%
12	23-Apr-92	2026	93.8115%	0.03%	93.9016%	0.999	-0.0901%	-0.10%
13	23-Apr-92	1985	93.9398%	0.03%	93.9016%	1.000	0.0382%	0.04%
14	27-Apr-92	2424	93.8284%	0.03%	93.9017%	0.999	-0.0733%	-0.08%
15	27-Apr-92	2470	93.8613%	0.04%	93.9017%	1.000	-0.0404%	-0.04%
16	27-Apr-92	2026	93.7946%	0.03%	93.9017%	0.999	-0.1071%	-0.11%
17	28-Apr-92	1985	93.8814%	0.03%	93.9017%	1.000	-0.0203%	-0.02%
18	29-Apr-92	2424	93.8958%	0.03%	93.9018%	1.000	-0.0060%	-0.01%
19	4-May-92	2026	93.7868%	0.03%	93.9019%	0.999	-0.1151%	-0.12%
20	4-May-92	1985	93.8515%	0.03%	93.9019%	0.999	-0.0504%	-0.05%
21	5-May-92	2470	93.8938%	0.04%	93.9019%	1.000	-0.0081%	-0.01%
22	5-May-92	2424	93.8661%	0.03%	93.9019%	1.000	-0.0358%	-0.04%
23	11-May-92	1985	93.9418%	0.03%	93.9021%	1.000	0.0397%	0.04%
24	12-May-92	2026	93.8859%	0.03%	93.9021%	1.000	-0.0162%	-0.02%
25	12-May-92	2424	93.8574%	0.03%	93.9021%	1.000	-0.0447%	-0.05%
26	13-May-92	2470	93.9033%	0.04%	93.9021%	1.000	0.0012%	0.00%
27	18-May-92	2424	93.8520%	0.03%	93.9023%	0.999	-0.0503%	-0.05%
28	19-May-92	1985	93.9210%	0.03%	93.9023%	1.000	0.0187%	0.02%
29	19-May-92	2026	93.7775%	0.03%	93.9023%	0.999	-0.1248%	-0.13%
30	20-May-92	2470	93.9376%	0.04%	93.9023%	1.000	0.0353%	0.04%
31	26-May-92	1985	93.8550%	0.03%	93.9025%	0.999	-0.0475%	-0.05%
32	26-May-92	2026	93.9381%	0.03%	93.9025%	1.000	0.0356%	0.04%
33	26-May-92	2424	93.8638%	0.03%	93.9025%	1.000	-0.0387%	-0.04%
34	27-May-92	2470	93.9122%	0.04%	93.9025%	1.000	0.0097%	0.01%
35	27-May-92	2026	93.8265%	0.03%	93.9025%	0.999	-0.0760%	-0.08%
36	1-Jun-92	2026	93.8676%	0.03%	93.9026%	1.000	-0.0350%	-0.04%
37	1-Jun-92	2424	93.8585%	0.03%	93.9026%	1.000	-0.0441%	-0.05%
38	1-Jun-92	1985	93.9046%	0.03%	93.9026%	1.000	0.0020%	0.00%
39	8-Jun-92	1985	93.8927%	0.03%	93.9028%	1.000	-0.0101%	-0.01%
40	10-Jun-92	2424	93.8966%	0.03%	93.9029%	1.000	-0.0063%	-0.01%
41	10-Jun-92	1985	93.8711%	0.03%	93.9029%	1.000	-0.0318%	-0.03%
42	11-Jun-92	2026	93.8863%	0.03%	93.9029%	1.000	-0.0166%	-0.02%
43	15-Jun-92	2026	93.7747%	0.03%	93.9030%	0.999	-0.1283%	-0.14%
44	15-Jun-92	1985	93.8534%	0.03%	93.9030%	0.999	-0.0496%	-0.05%
45	16-Jun-92	2424	93.8084%	0.03%	93.9030%	0.999	-0.0946%	-0.10%
46	22-Jun-92	2026	93.8122%	0.03%	93.9032%	0.999	-0.0910%	-0.10%
47	22-Jun-92	2424	93.8504%	0.03%	93.9032%	0.999	-0.0528%	-0.06%
48	25-Jun-92	1985	93.8609%	0.04%	93.9032%	1.000	-0.0423%	-0.05%
49	25-Jun-92	2026	93.8421%	0.03%	93.9032%	0.999	-0.0611%	-0.07%

WEIGHT PERCENT 239-Pu DATA
2ND QUARTER 1992

HANFORD (continued)

#	Date Measured	Instr. ID	239-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
50	25-Jun-92	2424	93.8562%	0.03%	93.9032%	0.999	-0.0470%	-0.05%
51	29-Jun-92	1985	93.8735%	0.03%	93.9033%	1.000	-0.0298%	-0.03%
52	29-Jun-92	2026	93.8608%	0.03%	93.9033%	1.000	-0.0425%	-0.05%
53	30-Jun-92	2424	93.8500%	0.03%	93.9034%	0.999	-0.0534%	-0.06%

RFP - ANAL. LAB.

#	Date Measured	Instr. ID	239-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	14-Apr-92	TR#1	94.1134%	0.23%	93.9014%	1.002	0.2120%	0.23%
2	14-Apr-92	TR#1	93.8878%	0.26%	93.9014%	1.000	-0.0136%	-0.01%
3	20-Apr-92	ND#1	93.6497%	0.38%	93.9015%	0.997	-0.2518%	-0.27%
4	21-Apr-92	TR#1	93.9786%	0.21%	93.9015%	1.001	0.0770%	0.08%
5	22-Apr-92	ND#1	94.0757%	0.17%	93.9016%	1.002	0.1741%	0.19%
6	22-Apr-92	ND#1	93.6766%	0.14%	93.9016%	0.998	-0.2250%	-0.24%
7	22-Apr-92	TR#1	94.0051%	0.20%	93.9016%	1.001	0.1035%	0.11%
8	22-Apr-92	TR#1	93.9882%	0.19%	93.9016%	1.001	0.0866%	0.09%
9	23-Apr-92	ND#1	94.1141%	0.18%	93.9016%	1.002	0.2125%	0.23%
10	23-Apr-92	TR#1	93.7884%	0.28%	93.9016%	0.999	-0.1132%	-0.12%
11	27-Apr-92	ND#1	94.2223%	0.27%	93.9017%	1.003	0.3206%	0.34%
12	27-Apr-92	TR#1	93.8489%	0.20%	93.9017%	0.999	-0.0528%	-0.06%
13	28-Apr-92	ND#1	93.9574%	0.15%	93.9017%	1.001	0.0557%	0.06%
14	28-Apr-92	TR#1	94.0574%	0.27%	93.9017%	1.002	0.1557%	0.17%
15	29-Apr-92	ND#1	93.9422%	0.12%	93.9018%	1.000	0.0405%	0.04%
16	29-Apr-92	TR#1	93.6921%	0.26%	93.9018%	0.998	-0.2097%	-0.22%
17	30-Apr-92	ND#1	94.0508%	0.16%	93.9018%	1.002	0.1490%	0.16%
18	30-Apr-92	ND#1	93.9692%	0.13%	93.9018%	1.001	0.0674%	0.07%
19	30-Apr-92	TR#1	93.7383%	0.23%	93.9018%	0.998	-0.1635%	-0.17%
20	4-May-92	TR#1	93.8586%	0.32%	93.9019%	1.000	-0.0433%	-0.05%
21	5-May-92	ND#1	93.9269%	0.20%	93.9019%	1.000	0.0250%	0.03%
22	5-May-92	ND#1	93.3738%	0.40%	93.9019%	0.994	-0.5281%	-0.56%
23	5-May-92	TR#1	93.8503%	0.20%	93.9019%	0.999	-0.0516%	-0.05%
24	6-May-92	TR#1	93.9148%	0.22%	93.9019%	1.000	0.0129%	0.01%
25	8-May-92	ND#1	93.8420%	0.13%	93.9020%	0.999	-0.0600%	-0.06%
26	8-May-92	TR#1	93.8290%	0.21%	93.9020%	0.999	-0.0730%	-0.08%
27	11-May-92	ND#1	94.0058%	0.27%	93.9021%	1.001	0.1038%	0.11%
28	11-May-92	ND#1	93.9302%	0.14%	93.9021%	1.000	0.0281%	0.03%
29	11-May-92	TR#1	93.6661%	0.22%	93.9021%	0.997	-0.2360%	-0.25%
30	12-May-92	ND#1	93.9906%	0.21%	93.9021%	1.001	0.0885%	0.09%
31	12-May-92	TR#1	93.9180%	0.30%	93.9021%	1.000	0.0159%	0.02%
32	18-May-92	ND#1	93.7842%	0.24%	93.9023%	0.999	-0.1180%	-0.13%
33	26-May-92	ND#1	93.8679%	0.21%	93.9025%	1.000	-0.0345%	-0.04%
34	27-May-92	ND#1	93.8658%	0.13%	93.9025%	1.000	-0.0367%	-0.04%
35	1-Jun-92	ND#1	93.9921%	0.19%	93.9026%	1.001	0.0894%	0.10%
36	5-Jun-92	ND#1	93.9289%	0.31%	93.9027%	1.000	0.0262%	0.03%
37	8-Jun-92	ND#1	93.9945%	0.14%	93.9028%	1.001	0.0917%	0.10%
38	11-Jun-92	TR#1	93.9705%	0.24%	93.9029%	1.001	0.0676%	0.07%
39	12-Jun-92	ND#1	94.2082%	0.20%	93.9029%	1.003	0.3053%	0.33%
40	16-Jun-92	TR#1	93.7811%	0.23%	93.9030%	0.999	-0.1219%	-0.13%
41	17-Jun-92	ND#1	93.9401%	0.11%	93.9030%	1.000	0.0371%	0.04%
42	19-Jun-92	ND#1	93.9861%	0.19%	93.9031%	1.001	0.0830%	0.09%

WEIGHT PERCENT 239-Pu DATA
2ND QUARTER 1992

RFP - ANAL. LAB. (co.

#	Date Measured	Instr. ID	239-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
43	23-Jun-92	TR#1	93.8664%	0.24%	93.9032%	1.000	-0.0368%	-0.04%
44	29-Jun-92	TR#2	94.0247%	0.12%	93.9033%	1.001	0.1214%	0.13%

SAVANNAH RIVER
NO DATA REPORTED

RESULTS OF ANALYSIS OF PERCENT 240-Pu DATA

Second Quarter 1992

	REPORTING LABORATORY						
	CSL	LLNL	LANL	MOUND	WHO	RFP	SRS
Mean Error (weight %)	****	-0.0147%	0.0285%	0.0565%	0.0453%	0.0186%	****
Std. Dev. (weight %)	****	0.0227%	0.0978%	0.1408%	0.0419%	0.1555%	****
Inc. in Mean (weight %)	****	0.0118%	0.0319%	0.0451%	0.0042%	0.0357%	****
Mean Error (%)	****	-0.25%	0.49%	0.96%	0.77%	0.32%	****
Std. Dev. (%)	****	0.39%	1.67%	2.40%	0.71%	2.65%	****
Inc. in Mean (%)	****	0.20%	0.54%	0.76%	0.07%	0.60%	****
DIFFERENCE FROM LAST PERIOD							
Diff. in Mean Error (wt. %)	****	-0.0042%	0.0441%	0.1184%	-0.0034%	-0.0072%	****
Diff. in Std. Dev. (wt. %)	****	0.0039%	-0.0144%	0.0496%	-0.0035%	0.0542%	****
Diff. in Mean Error (%)	****	-0.07%	0.76%	2.02%	-0.06%	-0.12%	****
Diff. in Std. Dev. (%)	****	0.07%	-0.24%	0.84%	-0.07%	0.92%	****
Number of Data Points	0	5	12	15	53	44	0

NO DATA REPORTED FOR THIS MEASUREMENT IN THE PREVIOUS PERIOD

LAWRENCE LIVERMORE - PERCENT 240-PU 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

LOS ALAMOS - PERCENT 240-PU
3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

EG&G MOUND - PERCENT 240-PU
3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

WESTINGHOUSE HANFORD - PERCENT 240-PU 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

EG&G ROCKY FLATS - ANALYTICAL LAB.
 PERCENT 241-Pu - 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

**WEIGHT PERCENT 240-Pu DATA
2ND QUARTER 1992**

RFP - CSL

NO DATA REPORTED

LLNL

#	Date Measured	Instr. ID	240-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	7-Apr-92	1	5.8315%	0.38%	5.8606%	0.995	-0.0291%	-0.50%
2	12-May-92	1	5.8269%	0.49%	5.8607%	0.994	-0.0338%	-0.58%
3	29-May-92	1	5.8354%	0.42%	5.8607%	0.996	-0.0253%	-0.43%
4	2-Jun-92	1	5.8821%	0.52%	5.8607%	1.004	0.0214%	0.37%
5	8-Jun-92	1	5.8541%	0.44%	5.8607%	0.999	-0.0066%	-0.11%

LANL

#	Date Measured	Instr. ID	240-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	1-Apr-92	F6	5.8500%	1.95%	5.8606%	0.998	-0.0106%	-0.18%
2	15-Apr-92	F5	5.7700%	1.65%	5.8607%	0.985	-0.0907%	-1.55%
3	15-Apr-92	F6	6.0500%	1.78%	5.8607%	1.032	0.1893%	3.23%
4	22-Apr-92	F5	5.8400%	1.97%	5.8607%	0.996	-0.0207%	-0.35%
5	29-Apr-92	F6	5.7000%	1.64%	5.8607%	0.973	-0.1607%	-2.74%
6	6-May-92	F6	5.9500%	2.43%	5.8607%	1.015	0.0893%	1.52%
7	27-May-92	F5	5.8800%	2.04%	5.8607%	1.003	0.0193%	0.33%
8	27-May-92	F6	5.9200%	1.96%	5.8607%	1.010	0.0593%	1.01%
9	3-Jun-92	F5	5.9100%	1.65%	5.8607%	1.008	0.0493%	0.84%
10	4-Jun-92	F6	5.8500%	2.10%	5.8607%	0.998	-0.0107%	-0.18%
11	10-Jun-92	F5	5.9300%	1.59%	5.8607%	1.012	0.0693%	1.18%
12	11-Jun-92	F6	6.0200%	1.58%	5.8607%	1.027	0.1593%	2.72%

EG&G MOUND

#	Date Measured	Instr. ID	240-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	11-Jun-92	GENIE2	5.8211%	3.0%	5.8607%	0.993	-0.0396%	-0.68%
2	15-Jun-92	GENIE2	6.1654%	2.3%	5.8607%	1.052	0.3047%	5.20%
3	18-Jun-92	GENIE2	5.6820%	3.3%	5.8607%	0.970	-0.1786%	-3.05%
4	18-Jun-92	GENIE2	5.8145%	3.2%	5.8607%	0.992	-0.0461%	-0.79%
5	18-Jun-92	GENIE2	6.0759%	3.0%	5.8607%	1.037	0.2152%	3.67%
6	19-Jun-92	GENIE2	5.9048%	3.2%	5.8607%	1.008	0.0441%	0.75%
7	19-Jun-92	GENIE2	5.9525%	3.0%	5.8607%	1.016	0.0918%	1.57%
8	19-Jun-92	GENIE2	5.8743%	2.6%	5.8607%	1.002	0.0136%	0.23%
9	19-Jun-92	GENIE2	5.8061%	3.0%	5.8607%	0.991	-0.0546%	-0.93%
10	19-Jun-92	GENIE2	6.0082%	3.2%	5.8607%	1.025	0.1475%	2.52%
11	20-Jun-92	GENIE2	6.1652%	3.0%	5.8607%	1.052	0.3046%	5.20%
12	20-Jun-92	GENIE2	5.8066%	2.9%	5.8607%	0.991	-0.0540%	-0.92%
13	29-Jun-92	GENIE2	5.8752%	3.3%	5.8607%	1.002	0.0145%	0.25%
14	29-Jun-92	GENIE2	5.9919%	2.5%	5.8607%	1.022	0.1312%	2.24%
15	29-Jun-92	GENIE2	5.8140%	2.7%	5.8607%	0.992	-0.0467%	-0.80%

WEIGHT PERCENT 240-Pu DATA
2ND QUARTER 1992

HANFORD

#	Date Measured	Instr. ID	240-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	6-Apr-92	2026	5.9284%	0.47%	5.8606%	1.012	0.0678%	1.16%
2	8-Apr-92	2470	5.8774%	0.65%	5.8607%	1.003	0.0167%	0.29%
3	8-Apr-92	2026	5.9868%	0.45%	5.8607%	1.022	0.1261%	2.15%
4	9-Apr-92	1985	5.8659%	0.50%	5.8607%	1.001	0.0052%	0.09%
5	10-Apr-92	2424	5.8902%	0.41%	5.8607%	1.005	0.0295%	0.50%
6	13-Apr-92	2424	5.8990%	0.45%	5.8607%	1.007	0.0383%	0.65%
7	13-Apr-92	2470	5.8519%	0.65%	5.8607%	0.999	-0.0088%	-0.15%
8	14-Apr-92	1985	5.9169%	0.53%	5.8607%	1.010	0.0562%	0.96%
9	14-Apr-92	2026	5.9472%	0.47%	5.8607%	1.015	0.0865%	1.48%
10	22-Apr-92	2424	5.9495%	0.56%	5.8607%	1.015	0.0888%	1.52%
11	22-Apr-92	2470	5.8777%	0.63%	5.8607%	1.003	0.0170%	0.29%
12	23-Apr-92	2026	5.9571%	0.52%	5.8607%	1.016	0.0964%	1.65%
13	23-Apr-92	1985	5.8318%	0.53%	5.8607%	0.995	-0.0289%	-0.49%
14	27-Apr-92	2424	5.9408%	0.46%	5.8607%	1.014	0.0801%	1.37%
15	27-Apr-92	2470	5.9058%	0.59%	5.8607%	1.008	0.0451%	0.77%
16	27-Apr-92	2026	5.9727%	0.51%	5.8607%	1.019	0.1120%	1.91%
17	28-Apr-92	1985	5.8881%	0.47%	5.8607%	1.005	0.0274%	0.47%
18	29-Apr-92	2424	5.8745%	0.50%	5.8607%	1.002	0.0138%	0.24%
19	4-May-92	2026	5.9820%	0.44%	5.8607%	1.021	0.1213%	2.07%
20	4-May-92	1985	5.9193%	0.49%	5.8607%	1.010	0.0586%	1.00%
21	5-May-92	2470	5.8741%	0.64%	5.8607%	1.002	0.0134%	0.23%
22	5-May-92	2424	5.9016%	0.45%	5.8607%	1.007	0.0409%	0.70%
23	11-May-92	1985	5.8292%	0.54%	5.8607%	0.995	-0.0315%	-0.54%
24	12-May-92	2026	5.8828%	0.48%	5.8607%	1.004	0.0221%	0.38%
25	12-May-92	2424	5.9124%	0.50%	5.8607%	1.009	0.0517%	0.88%
26	13-May-92	2470	5.8650%	0.64%	5.8607%	1.001	0.0043%	0.07%
27	18-May-92	2424	5.9200%	0.47%	5.8607%	1.010	0.0593%	1.01%
28	19-May-92	1985	5.8516%	0.49%	5.8607%	0.998	-0.0091%	-0.15%
29	19-May-92	2026	5.9897%	0.46%	5.8607%	1.022	0.1290%	2.20%
30	20-May-92	2470	5.8305%	0.64%	5.8607%	0.995	-0.0302%	-0.51%
31	26-May-92	1985	5.9158%	0.52%	5.8607%	1.009	0.0551%	0.94%
32	26-May-92	2026	5.8322%	0.51%	5.8607%	0.995	-0.0285%	-0.49%
33	26-May-92	2424	5.9047%	0.46%	5.8607%	1.008	0.0440%	0.75%
34	27-May-92	2470	5.8553%	0.67%	5.8607%	0.999	-0.0054%	-0.09%
35	27-May-92	2026	5.9428%	0.48%	5.8607%	1.014	0.0821%	1.40%
36	1-Jun-92	2026	5.9013%	0.45%	5.8607%	1.007	0.0406%	0.69%
37	1-Jun-92	2424	5.9108%	0.50%	5.8607%	1.009	0.0501%	0.86%
38	1-Jun-92	1985	5.8684%	0.49%	5.8607%	1.001	0.0077%	0.13%
39	8-Jun-92	1985	5.8797%	0.53%	5.8607%	1.003	0.0190%	0.32%
40	10-Jun-92	2424	5.8730%	0.44%	5.8607%	1.002	0.0123%	0.21%
41	10-Jun-92	1985	5.9002%	0.49%	5.8607%	1.007	0.0395%	0.67%
42	11-Jun-92	2026	5.8822%	0.51%	5.8607%	1.004	0.0215%	0.37%
43	15-Jun-92	2026	5.9945%	0.50%	5.8607%	1.023	0.1338%	2.28%
44	15-Jun-92	1985	5.9178%	0.50%	5.8607%	1.010	0.0571%	0.97%
45	16-Jun-92	2424	5.9604%	0.50%	5.8607%	1.017	0.0997%	1.70%
46	22-Jun-92	2026	5.9566%	0.47%	5.8607%	1.016	0.0959%	1.64%
47	22-Jun-92	2424	5.9206%	0.48%	5.8607%	1.010	0.0599%	1.02%
48	25-Jun-92	1985	5.9116%	0.57%	5.8607%	1.009	0.0509%	0.87%
49	25-Jun-92	2026	5.9277%	0.47%	5.8607%	1.011	0.0670%	1.14%

WEIGHT PERCENT 240-Pu DATA
2ND QUARTER 1992

HANFORD (continued)

#	Date Measured	Instr. ID	240-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
50	25-Jun-92	2424	5.9141%	0.47%	5.8607%	1.009	0.0534%	0.91%
51	29-Jun-92	1985	5.8991%	0.53%	5.8607%	1.007	0.0384%	0.66%
52	29-Jun-92	2026	5.9081%	0.51%	5.8607%	1.008	0.0474%	0.81%
53	30-Jun-92	2424	5.9203%	0.45%	5.8607%	1.010	0.0596%	1.02%

RFP - ANAL. LAB.

#	Date Measured	Instr. ID	240-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	14-Apr-92	TR#1	5.6825%	4.23%	5.8607%	0.970	-0.1782%	-3.04%
2	14-Apr-92	TR#1	5.8993%	4.73%	5.8607%	1.007	0.0386%	0.66%
3	20-Apr-92	ND#1	6.1382%	6.56%	5.8607%	1.047	0.2776%	4.74%
4	21-Apr-92	TR#1	5.8121%	3.83%	5.8607%	0.992	-0.0485%	-0.83%
5	22-Apr-92	ND#1	5.7164%	3.21%	5.8607%	0.975	-0.1443%	-2.46%
6	22-Apr-92	ND#1	6.1146%	2.43%	5.8607%	1.043	0.2539%	4.33%
7	22-Apr-92	TR#1	5.7862%	3.71%	5.8607%	0.987	-0.0745%	-1.27%
8	22-Apr-92	TR#1	5.8072%	3.46%	5.8607%	0.991	-0.0534%	-0.91%
9	23-Apr-92	ND#1	5.6735%	3.27%	5.8607%	0.968	-0.1871%	-3.19%
10	23-Apr-92	TR#1	6.0010%	4.92%	5.8607%	1.024	0.1404%	2.40%
11	27-Apr-92	ND#1	5.5676%	5.07%	5.8607%	0.950	-0.2930%	-5.00%
12	27-Apr-92	TR#1	5.9403%	3.62%	5.8607%	1.014	0.0796%	1.36%
13	28-Apr-92	ND#1	5.8310%	2.68%	5.8607%	0.995	-0.0297%	-0.51%
14	28-Apr-92	TR#1	5.7314%	5.00%	5.8607%	0.978	-0.1292%	-2.21%
15	29-Apr-92	ND#1	5.8501%	2.11%	5.8607%	0.998	-0.0105%	-0.18%
16	29-Apr-92	TR#1	6.1004%	4.51%	5.8607%	1.041	0.2397%	4.09%
17	30-Apr-92	ND#1	5.7390%	2.91%	5.8607%	0.979	-0.1216%	-2.08%
18	30-Apr-92	ND#1	5.8172%	2.42%	5.8607%	0.993	-0.0435%	-0.74%
19	30-Apr-92	TR#1	6.0489%	4.13%	5.8607%	1.032	0.1882%	3.21%
20	4-May-92	TR#1	5.9292%	5.73%	5.8607%	1.012	0.0685%	1.17%
21	5-May-92	ND#1	5.8681%	3.54%	5.8607%	1.001	0.0074%	0.13%
22	5-May-92	ND#1	6.4170%	6.70%	5.8607%	1.095	0.5563%	9.49%
23	5-May-92	TR#1	5.9315%	3.66%	5.8607%	1.012	0.0708%	1.21%
24	6-May-92	TR#1	5.8746%	3.92%	5.8607%	1.002	0.0139%	0.24%
25	8-May-92	ND#1	5.9510%	2.39%	5.8607%	1.015	0.0904%	1.54%
26	8-May-92	TR#1	5.9617%	3.83%	5.8607%	1.017	0.1011%	1.72%
27	11-May-92	ND#1	5.7805%	5.01%	5.8607%	0.986	-0.0802%	-1.37%
28	11-May-92	ND#1	5.8577%	2.50%	5.8607%	0.999	-0.0030%	-0.05%
29	11-May-92	TR#1	6.1231%	3.86%	5.8607%	1.045	0.2625%	4.48%
30	12-May-92	ND#1	5.7965%	3.91%	5.8607%	0.989	-0.0641%	-1.09%
31	12-May-92	TR#1	5.8750%	5.35%	5.8607%	1.002	0.0144%	0.25%
32	18-May-92	ND#1	6.0074%	4.20%	5.8607%	1.025	0.1467%	2.50%
33	26-May-92	ND#1	5.9247%	3.68%	5.8607%	1.011	0.0640%	1.09%
34	27-May-92	ND#1	5.9314%	2.32%	5.8607%	1.012	0.0708%	1.21%
35	1-Jun-92	ND#1	5.7971%	3.42%	5.8607%	0.989	-0.0636%	-1.08%
36	5-Jun-92	ND#1	5.8664%	5.52%	5.8607%	1.001	0.0057%	0.10%
37	8-Jun-92	ND#1	5.7990%	2.54%	5.8607%	0.989	-0.0616%	-1.05%
38	11-Jun-92	TR#1	5.8195%	4.32%	5.8607%	0.993	-0.0411%	-0.70%
39	12-Jun-92	ND#1	5.5813%	3.71%	5.8607%	0.952	-0.2794%	-4.77%
40	16-Jun-92	TR#1	6.0102%	3.99%	5.8607%	1.026	0.1495%	2.55%
41	17-Jun-92	ND#1	5.8318%	1.91%	5.8607%	0.995	-0.0289%	-0.49%
42	19-Jun-92	ND#1	5.8051%	3.49%	5.8607%	0.991	-0.0556%	-0.95%

WEIGHT PERCENT 240-Pu DATA
2ND QUARTER 1992

RFP - ANAL. LAB. (co.

#	Date Measured	Instr. ID	240-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
43	23-Jun-92	TR#1	5.9241%	4.32%	5.8607%	1.011	0.0634%	1.08%
44	29-Jun-92	TR#2	5.7683%	2.29%	5.8607%	0.984	-0.0924%	-1.58%

SAVANNAH RIVER
NO DATA REPORTED

RESULTS OF ANALYSIS OF PERCENT 241-Pu DATA

Second Quarter 1992

	REPORTING LABORATORY						
	CSL	LLNL	LANL	MOUND	WHO	RFP	SRS
Mean Error (weight %)	****	-0.0017%	0.0005%	-0.0009%	-0.0006%	0.0008%	****
Std. Dev. (weight %)	****	0.0003%	0.0005%	0.0005%	0.0011%	0.0037%	****
Unc. in Mean (weight %)	****	0.0003%	0.0001%	0.0011%	0.0001%	0.0009%	****
Mean Error (%)	****	-0.87%	0.23%	-0.46%	-0.31%	0.39%	****
Std. Dev. (%)	****	0.16%	0.25%	0.27%	0.55%	1.86%	****
Unc. in Mean (%)	****	0.16%	0.05%	0.54%	0.05%	0.44%	****
DIFFERENCE FROM LAST PERIOD							
Diff. in Mean Error (wt. %)	****	-0.0009%	0.0002%	-0.0010%	-0.0003%	0.0008%	****
Diff. in Std. Dev. (wt. %)	****	-0.0005%	-0.0002%	-0.0001%	0.0000%	0.0006%	****
Diff. in Mean Error (%)	****	-0.49%	0.09%	-0.49%	-0.17%	0.39%	****
Diff. in Std. Dev. (%)	****	-0.26%	-0.10%	-0.01%	0.03%	0.32%	****
Number of Data Points	0	5	12	15	53	44	0

* NO DATA REPORTED FOR THIS MEASUREMENT IN THE PREVIOUS PERIOD

LAWRENCE LIVERMORE - PERCENT 241-PU
3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

LOS ALAMOS - PERCENT 241-PU
3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

EG&G MOUND - PERCENT 241-PU 3RD QUARTER - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

WESTINGHOUSE HANFORD - PERCENT 241-PU 3RD QUARTER 1991 - 2ND QUARTER 1992

Date

All standard deviation and uncertainty limits are at two-sigma.

EG&G ROCKY FLATS - ANALYTICAL LAB.
 PERCENT 241-Pu - 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

WEIGHT PERCENT 241-Pu DATA
2ND QUARTER 1992

RFP - CSL

NO DATA REPORTED

LLNL

#	Date Measured	Instr. ID	241-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	7-Apr-92	1	0.1980%	0.30%	0.1998%	0.991	-0.0018%	-0.93%
2	12-May-92	1	0.1969%	0.40%	0.1989%	0.990	-0.0020%	-1.02%
3	29-May-92	1	0.1968%	0.33%	0.1985%	0.992	-0.0017%	-0.85%
4	2-Jun-92	1	0.1965%	0.41%	0.1984%	0.991	-0.0019%	-0.95%
5	8-Jun-92	1	0.1970%	0.35%	0.1982%	0.994	-0.0012%	-0.62%

LANL

#	Date Measured	Instr. ID	241-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	1-Apr-92	F6	0.2001%	0.17%	0.2000%	1.000	0.0001%	0.05%
2	15-Apr-92	F5	0.2012%	0.15%	0.1996%	1.008	0.0016%	0.78%
3	15-Apr-92	F6	0.2001%	0.17%	0.1996%	1.002	0.0005%	0.23%
4	22-Apr-92	F5	0.2000%	0.18%	0.1995%	1.003	0.0005%	0.27%
5	29-Apr-92	F6	0.1999%	0.14%	0.1993%	1.003	0.0006%	0.32%
6	6-May-92	F6	0.1999%	0.22%	0.1991%	1.004	0.0008%	0.41%
7	27-May-92	F5	0.1990%	0.19%	0.1985%	1.002	0.0005%	0.23%
8	27-May-92	F6	0.1986%	0.18%	0.1985%	1.000	0.0001%	0.03%
9	3-Jun-92	F5	0.1981%	0.15%	0.1984%	0.999	-0.0003%	-0.13%
10	4-Jun-92	F6	0.1981%	0.19%	0.1983%	0.999	-0.0002%	-0.11%
11	10-Jun-92	F5	0.1989%	0.15%	0.1982%	1.004	0.0007%	0.37%
12	11-Jun-92	F6	0.1987%	0.15%	0.1981%	1.003	0.0006%	0.28%

EG&G MOUND

#	Date Measured	Instr. ID	241-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	11-Jun-92	GENIE2	0.1980%	2.1%	0.1981%	1.000	-0.0001%	-0.05%
2	15-Jun-92	GENIE2	0.1968%	1.7%	0.1980%	0.994	-0.0013%	-0.65%
3	18-Jun-92	GENIE2	0.1967%	2.3%	0.1980%	0.994	-0.0012%	-0.62%
4	18-Jun-92	GENIE2	0.1969%	2.2%	0.1980%	0.995	-0.0010%	-0.52%
5	18-Jun-92	GENIE2	0.1969%	2.1%	0.1980%	0.994	-0.0011%	-0.56%
6	19-Jun-92	GENIE2	0.1973%	2.2%	0.1979%	0.997	-0.0006%	-0.32%
7	19-Jun-92	GENIE2	0.1968%	2.1%	0.1979%	0.994	-0.0011%	-0.56%
8	19-Jun-92	GENIE2	0.1959%	1.9%	0.1979%	0.989	-0.0021%	-1.05%
9	19-Jun-92	GENIE2	0.1977%	2.1%	0.1979%	0.999	-0.0002%	-0.12%
10	19-Jun-92	GENIE2	0.1966%	2.2%	0.1979%	0.993	-0.0013%	-0.67%
11	20-Jun-92	GENIE2	0.1973%	2.1%	0.1979%	0.997	-0.0006%	-0.30%
12	20-Jun-92	GENIE2	0.1966%	2.0%	0.1979%	0.993	-0.0013%	-0.68%
13	29-Jun-92	GENIE2	0.1969%	2.3%	0.1977%	0.996	-0.0008%	-0.39%
14	29-Jun-92	GENIE2	0.1975%	1.8%	0.1977%	0.999	-0.0002%	-0.09%
15	29-Jun-92	GENIE2	0.1969%	1.9%	0.1977%	0.996	-0.0007%	-0.38%

WEIGHT PERCENT 241-Pu DATA
2ND QUARTER 1992

HANFORD

#	Date Measured	Instr. ID	241-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	6-Apr-92	2026	0.1985%	0.35%	0.1999%	0.993	-0.0014%	-0.69%
2	8-Apr-92	2470	0.2011%	0.48%	0.1998%	1.006	0.0013%	0.64%
3	8-Apr-92	2026	0.1991%	0.34%	0.1998%	0.996	-0.0007%	-0.36%
4	9-Apr-92	1985	0.1988%	0.36%	0.1998%	0.995	-0.0010%	-0.50%
5	10-Apr-92	2424	0.1989%	0.31%	0.1998%	0.996	-0.0009%	-0.44%
6	13-Apr-92	2424	0.1979%	0.34%	0.1997%	0.991	-0.0018%	-0.90%
7	13-Apr-92	2470	0.2006%	0.47%	0.1997%	1.005	0.0009%	0.45%
8	14-Apr-92	1985	0.1995%	0.39%	0.1997%	0.999	-0.0002%	-0.08%
9	14-Apr-92	2026	0.1990%	0.35%	0.1997%	0.997	-0.0007%	-0.33%
10	22-Apr-92	2424	0.1959%	0.42%	0.1995%	0.982	-0.0036%	-1.78%
11	22-Apr-92	2470	0.1999%	0.46%	0.1995%	1.002	0.0004%	0.22%
12	23-Apr-92	2026	0.1985%	0.39%	0.1994%	0.995	-0.0009%	-0.47%
13	23-Apr-92	1985	0.1972%	0.39%	0.1994%	0.989	-0.0022%	-1.12%
14	27-Apr-92	2424	0.1987%	0.35%	0.1993%	0.997	-0.0006%	-0.31%
15	27-Apr-92	2470	0.2003%	0.43%	0.1993%	1.005	0.0010%	0.49%
16	27-Apr-92	2026	0.1995%	0.38%	0.1993%	1.001	0.0002%	0.09%
17	28-Apr-92	1985	0.1983%	0.35%	0.1993%	0.995	-0.0010%	-0.50%
18	29-Apr-92	2424	0.1982%	0.38%	0.1993%	0.995	-0.0011%	-0.54%
19	4-May-92	2026	0.1981%	0.33%	0.1991%	0.995	-0.0010%	-0.52%
20	4-May-92	1985	0.1972%	0.36%	0.1991%	0.990	-0.0019%	-0.97%
21	5-May-92	2470	0.1995%	0.46%	0.1991%	1.002	0.0004%	0.19%
22	5-May-92	2424	0.1995%	0.34%	0.1991%	1.002	0.0004%	0.19%
23	11-May-92	1985	0.1978%	0.39%	0.1990%	0.994	-0.0012%	-0.58%
24	12-May-92	2026	0.1987%	0.36%	0.1989%	0.999	-0.0002%	-0.12%
25	12-May-92	2424	0.1983%	0.38%	0.1989%	0.997	-0.0006%	-0.32%
26	13-May-92	2470	0.1994%	0.47%	0.1989%	1.002	0.0005%	0.25%
27	18-May-92	2424	0.1961%	0.36%	0.1988%	0.987	-0.0027%	-1.34%
28	19-May-92	1985	0.1963%	0.36%	0.1987%	0.988	-0.0024%	-1.23%
29	19-May-92	2026	0.1996%	0.35%	0.1987%	1.004	0.0009%	0.43%
30	20-May-92	2470	0.1997%	0.47%	0.1987%	1.005	0.0010%	0.49%
31	26-May-92	1985	0.1973%	0.38%	0.1986%	0.994	-0.0013%	-0.64%
32	26-May-92	2026	0.1977%	0.38%	0.1986%	0.996	-0.0009%	-0.43%
33	26-May-92	2424	0.1988%	0.35%	0.1986%	1.001	0.0002%	0.12%
34	27-May-92	2470	0.2003%	0.49%	0.1985%	1.009	0.0018%	0.89%
35	27-May-92	2026	0.1981%	0.36%	0.1985%	0.998	-0.0004%	-0.22%
36	1-Jun-92	2026	0.1988%	0.34%	0.1984%	1.002	0.0004%	0.20%
37	1-Jun-92	2424	0.1981%	0.38%	0.1984%	0.998	-0.0003%	-0.15%
38	1-Jun-92	1985	0.1959%	0.36%	0.1984%	0.987	-0.0025%	-1.26%
39	8-Jun-92	1985	0.1965%	0.39%	0.1982%	0.991	-0.0017%	-0.87%
40	10-Jun-92	2424	0.1982%	0.33%	0.1982%	1.000	0.0000%	0.02%
41	10-Jun-92	1985	0.1968%	0.36%	0.1982%	0.993	-0.0014%	-0.69%
42	11-Jun-92	2026	0.1986%	0.38%	0.1981%	1.002	0.0005%	0.23%
43	15-Jun-92	2026	0.1978%	0.38%	0.1980%	0.999	-0.0002%	-0.12%
44	15-Jun-92	1985	0.1971%	0.37%	0.1980%	0.995	-0.0009%	-0.47%
45	16-Jun-92	2424	0.1978%	0.38%	0.1980%	0.999	-0.0002%	-0.11%
46	22-Jun-92	2026	0.1975%	0.36%	0.1979%	0.998	-0.0004%	-0.18%
47	22-Jun-92	2424	0.1969%	0.37%	0.1979%	0.995	-0.0010%	-0.48%
48	25-Jun-92	1985	0.1958%	0.42%	0.1978%	0.990	-0.0020%	-1.00%
49	25-Jun-92	2026	0.1974%	0.36%	0.1978%	0.998	-0.0004%	-0.19%

WEIGHT PERCENT 241-Pu DATA
2ND QUARTER 1992

HANFORD (continued)

#	Date Measured	Instr. ID	241-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
50	25-Jun-92	2424	0.1969%	0.36%	0.1978%	0.996	-0.0009%	-0.44%
51	29-Jun-92	1985	0.1959%	0.39%	0.1977%	0.991	-0.0018%	-0.90%
52	29-Jun-92	2026	0.1981%	0.38%	0.1977%	1.002	0.0004%	0.22%
53	30-Jun-92	2424	0.1970%	0.34%	0.1976%	0.997	-0.0006%	-0.33%

RFP - ANAL. LAB.

#	Date Measured	Instr. ID	241-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	14-Apr-92	TR#1	0.1983%	3.05%	0.1997%	0.993	-0.0013%	-0.66%
2	14-Apr-92	TR#1	0.2000%	3.38%	0.1997%	1.002	0.0004%	0.19%
3	20-Apr-92	ND#1	0.2028%	5.02%	0.1995%	1.016	0.0032%	1.63%
4	21-Apr-92	TR#1	0.1989%	2.78%	0.1995%	0.997	-0.0006%	-0.28%
5	22-Apr-92	ND#1	0.2001%	2.42%	0.1995%	1.003	0.0006%	0.31%
6	22-Apr-92	ND#1	0.1997%	1.99%	0.1995%	1.001	0.0002%	0.12%
7	22-Apr-92	TR#1	0.2009%	2.71%	0.1995%	1.007	0.0014%	0.71%
8	22-Apr-92	TR#1	0.1942%	2.54%	0.1995%	0.974	-0.0053%	-2.64%
9	23-Apr-92	ND#1	0.1993%	2.44%	0.1994%	0.999	-0.0001%	-0.07%
10	23-Apr-92	TR#1	0.2003%	3.49%	0.1994%	1.004	0.0009%	0.44%
11	27-Apr-92	ND#1	0.2002%	3.63%	0.1993%	1.004	0.0009%	0.44%
12	27-Apr-92	TR#1	0.1999%	2.66%	0.1993%	1.003	0.0005%	0.27%
13	28-Apr-92	ND#1	0.1989%	2.11%	0.1993%	0.998	-0.0004%	-0.21%
14	28-Apr-92	TR#1	0.1988%	3.56%	0.1993%	0.997	-0.0005%	-0.25%
15	29-Apr-92	ND#1	0.1981%	1.76%	0.1993%	0.994	-0.0012%	-0.60%
16	29-Apr-92	TR#1	0.1986%	3.21%	0.1993%	0.997	-0.0007%	-0.34%
17	30-Apr-92	ND#1	0.1993%	2.31%	0.1992%	1.000	0.0000%	0.01%
18	30-Apr-92	ND#1	0.2015%	1.96%	0.1992%	1.011	0.0022%	1.11%
19	30-Apr-92	TR#1	0.1993%	2.97%	0.1992%	1.000	0.0000%	0.01%
20	4-May-92	TR#1	0.1995%	4.02%	0.1991%	1.002	0.0004%	0.19%
21	5-May-92	ND#1	0.1984%	2.62%	0.1991%	0.997	-0.0007%	-0.34%
22	5-May-92	ND#1	0.2006%	4.69%	0.1991%	1.008	0.0015%	0.77%
23	5-May-92	TR#1	0.2019%	2.67%	0.1991%	1.014	0.0027%	1.38%
24	6-May-92	TR#1	0.1979%	2.83%	0.1991%	0.994	-0.0012%	-0.58%
25	8-May-92	ND#1	0.1965%	1.93%	0.1990%	0.987	-0.0025%	-1.25%
26	8-May-92	TR#1	0.1993%	2.76%	0.1990%	1.001	0.0002%	0.11%
27	11-May-92	ND#1	0.2009%	3.43%	0.1990%	1.010	0.0019%	0.96%
28	11-May-92	ND#1	0.2009%	1.98%	0.1990%	1.010	0.0019%	0.98%
29	11-May-92	TR#1	0.1992%	2.80%	0.1990%	1.001	0.0002%	0.12%
30	12-May-92	ND#1	0.2009%	2.87%	0.1989%	1.010	0.0020%	1.01%
31	12-May-92	TR#1	0.1982%	3.77%	0.1989%	0.996	-0.0007%	-0.36%
32	18-May-92	ND#1	0.1967%	3.10%	0.1988%	0.990	-0.0021%	-1.04%
33	26-May-92	ND#1	0.1978%	2.69%	0.1986%	0.996	-0.0007%	-0.37%
34	27-May-92	ND#1	0.1967%	1.85%	0.1985%	0.991	-0.0018%	-0.93%
35	1-Jun-92	ND#1	0.2007%	2.55%	0.1984%	1.012	0.0023%	1.18%
36	5-Jun-92	ND#1	0.1984%	3.91%	0.1983%	1.001	0.0001%	0.07%
37	8-Jun-92	ND#1	0.1975%	1.98%	0.1982%	0.996	-0.0007%	-0.35%
38	11-Jun-92	TR#1	0.1993%	3.14%	0.1981%	1.006	0.0011%	0.57%
39	12-Jun-92	ND#1	0.2004%	2.85%	0.1981%	1.012	0.0023%	1.18%
40	16-Jun-92	TR#1	0.1991%	2.88%	0.1980%	1.005	0.0011%	0.53%
41	17-Jun-92	ND#1	0.2199%	1.57%	0.1980%	1.110	0.0219%	11.05%
42	19-Jun-92	ND#1	0.2032%	2.68%	0.1979%	1.027	0.0053%	2.66%

WEIGHT PERCENT 241-Pu DATA
2ND QUARTER 1992

RFP - ANAL. LAB. (co.

#	Date Measured	Instr. ID	241-Pu	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
43	23-Jun-92	TR#1	0.1966%	3.10%	0.1978%	0.994	-0.0012%	-0.62%
44	29-Jun-92	TR#2	0.1975%	1.67%	0.1977%	0.999	-0.0002%	-0.09%

SAVANNAH RIVER
NO DATA REPORTED

RESULTS OF ANALYSIS OF PERCENT 241-Am DATA

Second Quarter 1992

	REPORTING LABORATORY						
	CSL	LLNL	LANL	MOUND	WHO	RFP	SRS
Mean Error (weight %)	****	-0.0028%	-0.0027%	0.0022%	-0.0021%	-0.0005%	****
Std. Dev. (weight %)	****	0.0004%	0.0016%	0.0016%	0.0007%	0.0025%	****
Inc. in Mean (weight %)	****	0.0003%	0.0004%	0.0011%	0.0001%	0.0008%	****
Mean Error (%)	****	-1.55%	-1.51%	1.24%	-1.20%	-0.28%	****
Std. Dev. (%)	****	0.21%	0.88%	0.91%	0.40%	1.40%	****
Inc. in Mean (%)	****	0.17%	0.24%	0.60%	0.06%	0.45%	****
DIFFERENCE FROM LAST PERIOD							
Diff. in Mean Error (wt. %)	****	0.0001%	0.0003%	0.0016%	0.0003%	0.0000%	****
Diff. in Std. Dev. (wt. %)	****	0.0001%	-0.0005%	0.0008%	-0.0001%	0.0009%	****
Diff. in Mean Error (%)	****	0.10%	0.22%	0.89%	0.15%	0.00%	****
Diff. in Std. Dev. (%)	****	0.02%	-0.30%	0.48%	-0.07%	0.49%	****
Number of Data Points	0	5	12	15	53	44	0

NO DATA REPORTED FOR THIS MEASUREMENT IN THE PREVIOUS PERIOD

LAWRENCE LIVERMORE - PERCENT 241-AM
 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

LOS ALAMOS - PERCENT 241-AM
3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

EG&G MOUND - PERCENT 241-AM 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

WESTINGHOUSE HANFORD - PERCENT 241-AM 3RD QUARTER - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

EG&G ROCKY FLATS - ANALYTICAL LAB.
 PERCENT 241-AM - 3RD QUARTER 1991 - 2ND QUARTER 1992

All standard deviation and uncertainty limits are at two-sigma.

**WEIGHT PERCENT 241-Am DATA
2ND QUARTER 1992**

RFP - CSL

NO DATA REPORTED

LLNL

#	Date Measured	Instr. ID	241-Am	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	7-Apr-92	1	0.1734%	0.33%	0.1762%	0.984	-0.0028%	-1.60%
2	12-May-92	1	0.1744%	0.42%	0.1771%	0.985	-0.0027%	-1.54%
3	29-May-92	1	0.1751%	0.36%	0.1776%	0.986	-0.0025%	-1.38%
4	2-Jun-92	1	0.1743%	0.45%	0.1777%	0.981	-0.0034%	-1.89%
5	8-Jun-92	1	0.1754%	0.38%	0.1778%	0.986	-0.0024%	-1.36%

LANL

#	Date Measured	Instr. ID	241-Am	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	1-Apr-92	F6	0.1720%	0.88%	0.1761%	0.977	-0.0041%	-2.31%
2	15-Apr-92	F5	0.1727%	0.71%	0.1764%	0.979	-0.0037%	-2.11%
3	15-Apr-92	F6	0.1741%	0.81%	0.1764%	0.987	-0.0023%	-1.32%
4	22-Apr-92	F5	0.1746%	0.84%	0.1766%	0.989	-0.0020%	-1.14%
5	29-Apr-92	F6	0.1741%	0.71%	0.1768%	0.985	-0.0027%	-1.52%
6	6-May-92	F6	0.1721%	1.08%	0.1770%	0.972	-0.0049%	-2.75%
7	27-May-92	F5	0.1755%	0.87%	0.1775%	0.989	-0.0020%	-1.13%
8	27-May-92	F6	0.1753%	0.87%	0.1775%	0.988	-0.0022%	-1.24%
9	3-Jun-92	F5	0.1759%	0.71%	0.1777%	0.990	-0.0018%	-1.00%
10	4-Jun-92	F6	0.1776%	0.92%	0.1777%	0.999	-0.0001%	-0.06%
11	10-Jun-92	F5	0.1769%	0.69%	0.1779%	0.995	-0.0010%	-0.54%
12	11-Jun-92	F6	0.1725%	0.73%	0.1779%	0.970	-0.0054%	-3.03%

EG&G MOUND

#	Date Measured	Instr. ID	241-Am	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	11-Jun-92	GENIE2	0.1787%	2.4%	0.1779%	1.005	0.0008%	0.46%
2	15-Jun-92	GENIE2	0.1801%	1.9%	0.1780%	1.012	0.0021%	1.21%
3	18-Jun-92	GENIE2	0.1807%	2.5%	0.1781%	1.015	0.0026%	1.47%
4	18-Jun-92	GENIE2	0.1834%	2.5%	0.1781%	1.030	0.0053%	2.98%
5	18-Jun-92	GENIE2	0.1786%	2.3%	0.1781%	1.003	0.0005%	0.31%
6	19-Jun-92	GENIE2	0.1790%	2.4%	0.1781%	1.005	0.0009%	0.53%
7	19-Jun-92	GENIE2	0.1815%	2.3%	0.1781%	1.019	0.0034%	1.91%
8	19-Jun-92	GENIE2	0.1830%	2.1%	0.1781%	1.027	0.0049%	2.74%
9	19-Jun-92	GENIE2	0.1802%	2.4%	0.1781%	1.012	0.0021%	1.16%
10	19-Jun-92	GENIE2	0.1804%	2.4%	0.1781%	1.013	0.0023%	1.27%
11	20-Jun-92	GENIE2	0.1807%	2.3%	0.1781%	1.015	0.0026%	1.45%
12	20-Jun-92	GENIE2	0.1786%	2.3%	0.1781%	1.003	0.0005%	0.30%
13	29-Jun-92	GENIE2	0.1823%	2.6%	0.1783%	1.022	0.0040%	2.22%
14	29-Jun-92	GENIE2	0.1789%	2.0%	0.1783%	1.003	0.0005%	0.29%
15	29-Jun-92	GENIE2	0.1788%	2.2%	0.1783%	1.003	0.0005%	0.27%

WEIGHT PERCENT 241-Am DATA
2ND QUARTER 1992

HANFORD

#	Date Measured	Instr. ID	241-Am	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	6-Apr-92	2026	0.1739%	0.37%	0.1762%	0.987	-0.0023%	-1.30%
2	8-Apr-92	2470	0.1726%	0.51%	0.1762%	0.979	-0.0036%	-2.07%
3	8-Apr-92	2026	0.1749%	0.36%	0.1762%	0.992	-0.0013%	-0.77%
4	9-Apr-92	1985	0.1747%	0.39%	0.1763%	0.991	-0.0016%	-0.89%
5	10-Apr-92	2424	0.1737%	0.32%	0.1763%	0.985	-0.0026%	-1.48%
6	13-Apr-92	2424	0.1752%	0.36%	0.1764%	0.993	-0.0012%	-0.67%
7	13-Apr-92	2470	0.1738%	0.50%	0.1764%	0.985	-0.0026%	-1.46%
8	14-Apr-92	1985	0.1749%	0.42%	0.1764%	0.991	-0.0015%	-0.85%
9	14-Apr-92	2026	0.1746%	0.37%	0.1764%	0.990	-0.0018%	-1.02%
10	22-Apr-92	2424	0.1761%	0.44%	0.1766%	0.997	-0.0005%	-0.29%
11	22-Apr-92	2470	0.1726%	0.49%	0.1766%	0.977	-0.0040%	-2.27%
12	23-Apr-92	2026	0.1743%	0.41%	0.1766%	0.987	-0.0023%	-1.32%
13	23-Apr-92	1985	0.1747%	0.41%	0.1766%	0.989	-0.0019%	-1.10%
14	27-Apr-92	2424	0.1750%	0.36%	0.1767%	0.990	-0.0017%	-0.98%
15	27-Apr-92	2470	0.1736%	0.46%	0.1767%	0.982	-0.0031%	-1.78%
16	27-Apr-92	2026	0.1746%	0.40%	0.1767%	0.988	-0.0021%	-1.21%
17	28-Apr-92	1985	0.1740%	0.37%	0.1768%	0.984	-0.0028%	-1.56%
18	29-Apr-92	2424	0.1752%	0.40%	0.1768%	0.991	-0.0016%	-0.90%
19	4-May-92	2026	0.1749%	0.34%	0.1769%	0.989	-0.0020%	-1.14%
20	4-May-92	1985	0.1745%	0.38%	0.1769%	0.986	-0.0024%	-1.37%
21	5-May-92	2470	0.1743%	0.49%	0.1769%	0.985	-0.0026%	-1.49%
22	5-May-92	2424	0.1761%	0.36%	0.1769%	0.995	-0.0008%	-0.48%
23	11-May-92	1985	0.1753%	0.42%	0.1771%	0.990	-0.0018%	-1.01%
24	12-May-92	2026	0.1751%	0.38%	0.1771%	0.989	-0.0020%	-1.14%
25	12-May-92	2424	0.1748%	0.39%	0.1771%	0.987	-0.0023%	-1.31%
26	13-May-92	2470	0.1748%	0.50%	0.1771%	0.987	-0.0023%	-1.33%
27	18-May-92	2424	0.1750%	0.37%	0.1773%	0.987	-0.0023%	-1.28%
28	19-May-92	1985	0.1753%	0.38%	0.1773%	0.989	-0.0020%	-1.13%
29	19-May-92	2026	0.1759%	0.37%	0.1773%	0.992	-0.0014%	-0.79%
30	20-May-92	2470	0.1738%	0.50%	0.1773%	0.980	-0.0035%	-1.99%
31	26-May-92	1985	0.1757%	0.41%	0.1775%	0.990	-0.0018%	-1.00%
32	26-May-92	2026	0.1741%	0.40%	0.1775%	0.981	-0.0034%	-1.90%
33	26-May-92	2424	0.1758%	0.36%	0.1775%	0.991	-0.0017%	-0.95%
34	27-May-92	2470	0.1753%	0.51%	0.1775%	0.988	-0.0022%	-1.24%
35	27-May-92	2026	0.1754%	0.38%	0.1775%	0.988	-0.0021%	-1.19%
36	1-Jun-92	2026	0.1756%	0.35%	0.1776%	0.989	-0.0020%	-1.14%
37	1-Jun-92	2424	0.1766%	0.39%	0.1776%	0.994	-0.0010%	-0.58%
38	1-Jun-92	1985	0.1741%	0.38%	0.1776%	0.980	-0.0035%	-1.99%
39	8-Jun-92	1985	0.1752%	0.41%	0.1778%	0.985	-0.0026%	-1.47%
40	10-Jun-92	2424	0.1765%	0.35%	0.1779%	0.992	-0.0014%	-0.77%
41	10-Jun-92	1985	0.1756%	0.38%	0.1779%	0.987	-0.0023%	-1.27%
42	11-Jun-92	2026	0.1759%	0.40%	0.1779%	0.989	-0.0020%	-1.12%
43	15-Jun-92	2026	0.1763%	0.40%	0.1780%	0.991	-0.0017%	-0.95%
44	15-Jun-92	1985	0.1756%	0.39%	0.1780%	0.987	-0.0024%	-1.34%
45	16-Jun-92	2424	0.1761%	0.40%	0.1780%	0.989	-0.0019%	-1.08%
46	22-Jun-92	2026	0.1757%	0.37%	0.1782%	0.986	-0.0025%	-1.39%
47	22-Jun-92	2424	0.1765%	0.38%	0.1782%	0.991	-0.0017%	-0.94%
48	25-Jun-92	1985	0.1763%	0.45%	0.1782%	0.989	-0.0019%	-1.09%
49	25-Jun-92	2026	0.1759%	0.37%	0.1782%	0.987	-0.0023%	-1.32%

WEIGHT PERCENT 241-Am DATA
2ND QUARTER 1992

HANFORD (continued)

#	Date Measured	Instr. ID	241-Am	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
50	25-Jun-92	2424	0.1765%	0.37%	0.1782%	0.990	-0.0017%	-0.98%
51	29-Jun-92	1985	0.1756%	0.41%	0.1783%	0.985	-0.0027%	-1.54%
52	29-Jun-92	2026	0.1761%	0.40%	0.1783%	0.987	-0.0022%	-1.26%
53	30-Jun-92	2424	0.1773%	0.35%	0.1784%	0.994	-0.0011%	-0.60%

RFP - ANAL. LAB.

#	Date Measured	Instr. ID	241-Am	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
1	14-Apr-92	TR#1	0.1742%	3.13%	0.1764%	0.988	-0.0022%	-1.23%
2	14-Apr-92	TR#1	0.1770%	3.46%	0.1764%	1.004	0.0006%	0.36%
3	20-Apr-92	ND#1	0.1761%	4.94%	0.1766%	0.998	-0.0004%	-0.25%
4	21-Apr-92	TR#1	0.1733%	2.85%	0.1766%	0.982	-0.0033%	-1.84%
5	22-Apr-92	ND#1	0.1770%	2.43%	0.1766%	1.002	0.0004%	0.23%
6	22-Apr-92	ND#1	0.1768%	1.86%	0.1766%	1.001	0.0002%	0.13%
7	22-Apr-92	TR#1	0.1744%	2.76%	0.1766%	0.988	-0.0022%	-1.24%
8	22-Apr-92	TR#1	0.1738%	2.56%	0.1766%	0.984	-0.0028%	-1.58%
9	23-Apr-92	ND#1	0.1763%	2.46%	0.1766%	0.998	-0.0003%	-0.17%
10	23-Apr-92	TR#1	0.1761%	3.62%	0.1766%	0.997	-0.0005%	-0.30%
11	27-Apr-92	ND#1	0.1801%	3.73%	0.1767%	1.019	0.0034%	1.93%
12	27-Apr-92	TR#1	0.1756%	2.69%	0.1767%	0.994	-0.0011%	-0.62%
13	28-Apr-92	ND#1	0.1760%	2.02%	0.1768%	0.996	-0.0007%	-0.41%
14	28-Apr-92	TR#1	0.1768%	3.68%	0.1768%	1.000	0.0000%	0.02%
15	29-Apr-92	ND#1	0.1771%	1.61%	0.1768%	1.001	0.0003%	0.15%
16	29-Apr-92	TR#1	0.1729%	3.37%	0.1768%	0.978	-0.0039%	-2.20%
17	30-Apr-92	ND#1	0.1787%	2.20%	0.1768%	1.011	0.0019%	1.05%
18	30-Apr-92	ND#1	0.1770%	1.82%	0.1768%	1.001	0.0002%	0.11%
19	30-Apr-92	TR#1	0.1753%	3.07%	0.1768%	0.992	-0.0015%	-0.83%
20	4-May-92	TR#1	0.1734%	4.17%	0.1769%	0.980	-0.0035%	-1.99%
21	5-May-92	ND#1	0.1776%	2.66%	0.1769%	1.004	0.0006%	0.37%
22	5-May-92	ND#1	0.1755%	4.65%	0.1769%	0.992	-0.0014%	-0.81%
23	5-May-92	TR#1	0.1756%	2.73%	0.1769%	0.993	-0.0013%	-0.73%
24	6-May-92	TR#1	0.1735%	2.92%	0.1770%	0.980	-0.0035%	-1.96%
25	8-May-92	ND#1	0.1772%	1.82%	0.1770%	1.001	0.0002%	0.12%
26	8-May-92	TR#1	0.1755%	2.84%	0.1770%	0.991	-0.0015%	-0.85%
27	11-May-92	ND#1	0.1807%	3.67%	0.1771%	1.020	0.0036%	2.02%
28	11-May-92	ND#1	0.1765%	1.90%	0.1771%	0.996	-0.0006%	-0.36%
29	11-May-92	TR#1	0.1746%	2.88%	0.1771%	0.986	-0.0025%	-1.39%
30	12-May-92	ND#1	0.1777%	2.90%	0.1771%	1.003	0.0006%	0.33%
31	12-May-92	TR#1	0.1718%	3.97%	0.1771%	0.970	-0.0053%	-3.01%
32	18-May-92	ND#1	0.1767%	3.14%	0.1773%	0.997	-0.0006%	-0.35%
33	26-May-92	ND#1	0.1788%	2.76%	0.1775%	1.007	0.0013%	0.75%
34	27-May-92	ND#1	0.1766%	1.77%	0.1775%	0.995	-0.0009%	-0.50%
35	1-Jun-92	ND#1	0.1792%	2.57%	0.1776%	1.009	0.0016%	0.90%
36	5-Jun-92	ND#1	0.1765%	4.07%	0.1777%	0.993	-0.0013%	-0.72%
37	8-Jun-92	ND#1	0.1754%	1.91%	0.1778%	0.987	-0.0024%	-1.33%
38	11-Jun-92	TR#1	0.1786%	3.19%	0.1779%	1.004	0.0007%	0.41%
39	12-Jun-92	ND#1	0.1795%	2.78%	0.1779%	1.009	0.0015%	0.86%
40	16-Jun-92	TR#1	0.1756%	2.97%	0.1780%	0.986	-0.0024%	-1.35%
41	17-Jun-92	ND#1	0.1878%	1.43%	0.1780%	1.055	0.0097%	5.45%
42	19-Jun-92	ND#1	0.1796%	2.62%	0.1781%	1.008	0.0015%	0.84%

WEIGHT PERCENT 241-Am DATA
2ND QUARTER 1992

RFP - ANAL. LAB. (co.

#	Date Measured	Instr. ID	241-Am	Uncert. 1 STD	Accepted Weight %	Ratio M/A	Weight % Error	Percent Error
43	23-Jun-92	TR#1	0.1785%	3.20%	0.1782%	1.002	0.0003%	0.18%
44	29-Jun-92	TR#2	0.1742%	1.71%	0.1783%	0.977	-0.0042%	-2.34%

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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