



# INTEROFFICE CORRESPONDENCE

DATE: September 21, 1994

TO: S. G. Stiger, Director - Environmental Restoration Program Division (ERPD)  
Building 080, X8540

FROM: M. A. Peters, ERPD - Analytical Subject Matter Expert, Bldg. 080, X6992 *maP*

SUBJECT: VALIDATION OF SAMPLE ESTIMATES IN REPORT NUMBER 2 - MAP-055-94

DOE Order: 4700.1

Action: None

An estimate of the number of samples that were to be run in fiscal year 1994 (FY94) for the Environmental Restoration (ER) and Environmental Protection (EP) organizations was compiled in early FY94 and published in Report #2 ("RFP Analytical Needs Assessment", Version 2.1, April 11, 1994).

Now that FY94 is almost over, a comparison of the actual number of samples completed versus the estimated number of samples was made and is shown in Table 1(attached). The data were extracted from Rocky Flats Environmental Database System (RFEDS) and show that in general the FY94 estimates were very good. The actual number of samples are typically within 20% of the estimated sample numbers for Gross Alpha/Beta, Metals, SVOC's, Rad. Screens, Pu isotopics, and PCB/Pest. For VOC's and tritium the estimates are within 30%. Other analytes were not calculated.

The data validates the technique for calculating the sample estimates and indicates that the FY95 estimates should have the same accuracy.

kld

Attachment:  
As Stated

- cc:
- K. Bentzen
  - W. S. Busby
  - M. G. Garton
  - M. S. Montesano
  - D. D. Stagg
  - J. Zarret
- ERPD Project File (2)

Table 1 Comparison of Actual and Projected Analyses for the ER and EP Organizations

No.	Analyte Description	Number of Samples	Number of Samples	Ratio
		Estimated in Report # 2 for FY 94 (1)	Actually Run in FY94 (1)	(Actual/Est.)
1	Gross Alpha/Beta	5440	4379	0.81
2	Metals (2)	7025	7198	1.02
3	VOC's (3)	2894	3834	1.3
4	SVOC's (4)	1048	925	0.89
5	Rad. Screens (5)	4579	4074	0.89
6	Tritium	3921	2794	0.71
7	Pu, Isotopic	5840	4733	0.81
8	PCB/Pest.	717	866	1.2
	Notes:			
	(1) The number of Samples include the ER and the EP groups			
	(2) The metals count includes all metals such as AA, ICP, TCLP, individual metals (except Be).			
	(3) Includes all VOCs including totals (all types) and TCLP			
	(4) Includes all SVOC's including totals and TCLP			
	(5) These are the alpha/beta screen assays run for DOT and lab license purposes			

Attachment 1  
MAP-055-94  
Page 1 of 1