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Hanford Site

Environmental Surveillance Data 1997

Prepared for the U.S. Department of Energy
under Contract DE-AC06-76RLO 1830

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HANFORD SITE ENVIRONMENTAL DATA REPORT FOR CALENDAR YEAR 1997

L. E. Bisping

September 1998

Prepared for
the U.S. Department of Energy
under Contract DE-AC06-76RLO 1830

Pacific Northwest National Laboratory
Richland, Washington 99352

ABSTRACT

Environmental surveillance at the Hanford Site, located in southeastern Washington State, is conducted by Pacific Northwest National Laboratory (PNNL), which is operated by Battelle for the U.S. Department of Energy. The data collected provide a historical record of radionuclide and radiation levels attributable to natural causes, worldwide fallout, and Hanford operations. Data are also collected to monitor several chemicals and metals in Columbia River water and sediment. In addition, Hanford Site wildlife samples were also collected for metals analysis. For more information regarding the 1997 sampling schedule for the Surface Environmental Surveillance Project (SESP) and Drinking Water Monitoring Project, refer to L. E. Bisping, Environmental Surveillance Master Sampling Schedule (PNNL-11464, Pacific Northwest National Laboratory, Richland, Washington).

PNNL publishes an annual environmental report for the Hanford Site each calendar year. The Hanford Site Environmental Report for Calendar Year 1997 describes the site mission and activities, general environmental features, radiological and chemical releases from operations, status of compliance with environmental regulations, status of programs to accomplish compliance, and environmental monitoring activities and results. Sections of the annual environmental report include tables and summaries of offsite and onsite environmental surveillance data collected by PNNL during 1997. This data report contains the actual raw data used to create those tables and summaries. In addition to providing raw data collected during routine sampling efforts in 1997, this data report also includes data from special sampling studies performed by PNNL during 1997.

For further information regarding environmental management activities and compliance issues, refer to R. L. Dirkes and R. W. Hanf, 1997, Hanford Site Environmental Report for Calendar Year 1997 (PNNL-11795, Pacific Northwest National Laboratory, Richland, Washington), Internet address: http://hanford.pnl.gov/envreport, or contact R. L. Dirkes, Pacific Northwest National Laboratory, P.O. Box 999, Richland, Washington 99352 (rl.dirkes@pnl.gov).

INTRODUCTION

The following sections provide tables of data on which PNNL's environmental surveillance summary information in the Hanford Site Environmental Report for Calendar Year 1997 was based. Information that may help the reader to understand these data tables is provided below.

GENERAL

Some degree of inherent uncertainty is associated with all analytical measurements. The total propagated analytical uncertainty for an individual result is 2 sigma counting error. For samples that are prepared or manipulated in the laboratory prior to counting, the total propagated analytical uncertainty includes both the counting uncertainty and the uncertainty connected with sample preparation and chemical separations. For samples that are not manipulated in the laboratory before counting, the total propagated analytical uncertainty only accounts for the uncertainty associated with counting the sample. The uncertainty associated with samples that are analyzed but not counted includes only the analytical process uncertainty.

Soil and natural vegetation samples have been collected on and around the Hanford Site for over 50 years. Data collected since 1971 for the SESP & Drinking Water Projects are retained in the Hanford Environmental Information System (HEIS) database. As a result of the large volume of historical analytical data available, routine soil or natural vegetation sampling are conducted on an as-needed basis in support of site cleanup activities and facility operation and are scheduled for routine collection every 3 to 5 years. There were no routine soil or natural vegetation samples collected by PNNL during 1997, however, PNNL did perform special sampling studies in which soil and natural vegetation samples were collected.

EXTERNAL RADIATION DATA

The thermoluminescent dosimeter (TLD) readings in this data volume are in milliroentgens per day (mR/day) and have been converted to mrem/year for presentation in the annual report.

LOCATION NAMES

Some location names are different in this data volume than reported in the annual environmental report. The following is a list of corresponding names that are dissimilar or that might be confused:

Media	Data Volume	Annual Report
Air	Edwin Markham School	North Franklin County
	Leslie Groves-Richland	Richland
	200 Tel. Exchange	GTE Building
Drinking Water	FFTF	400 Area
	Firing Range	Patrol Training Academy

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Air

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2230 100 K AREA

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/14/1997		< 1.900E-04	9.720E-03
		{ 2.300E-04}	{ 1.640E-03}
01/28/1997		9.560E-04	2.560E-02
		{ 3.840E-04}	{ 3.020E-03}
02/11/1997		4.860E-04	2.140E-02
		{ 2.930E-04}	{ 2.780E-03}
02/25/1997		3.140E-04	7.750E-03
		{ 2.750E-04}	{ 1.430E-03}
03/11/1997		< -4.240E-05	3.590E-03
		{ 1.730E-04}	{ 1.100E-03}
03/24/1997		< 1.470E-04	6.240E-03
		{ 2.320E-04}	{ 1.320E-03}
04/08/1997		2.650E-04	5.340E-03
		{ 2.380E-04}	{ 1.150E-03}
04/22/1997		3.320E-04	1.930E-02
		{ 2.760E-04}	{ 2.590E-03}
05/06/1997		< 6.950E-05	5.230E-03
		{ 1.840E-04}	{ 1.140E-03}
05/20/1997		< 2.440E-05	8.510E-03
		{ 1.850E-04}	{ 1.480E-03}
06/03/1997		< 4.360E-04	5.910E-03
		{ 4.950E-04}	{ 1.500E-03}
06/17/1997		< -2.110E-04	9.960E-03
		{ 5.430E-04}	{ 2.210E-03}
07/01/1997		< 3.670E-04	6.550E-03
		{ 4.250E-04}	{ 1.490E-03}
07/16/1997		5.490E-04	8.790E-03
		{ 3.500E-04}	{ 1.620E-03}
07/29/1997		< 3.780E-04	1.610E-02
		{ 5.590E-04}	{ 2.840E-03}
08/12/1997		< 5.680E-04	1.820E-02
		{ 5.830E-04}	{ 3.020E-03}
08/26/1997		6.970E-04	1.510E-02
		{ 5.700E-04}	{ 2.670E-03}
09/09/1997		8.810E-04	1.600E-02
		{ 5.740E-04}	{ 2.690E-03}

2231 100 N-1325 CRIB

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/14/1997		6.070E-04	2.200E-02
		{ 2.200E-04}	{ 2.370E-03}
01/28/1997		4.070E-04	2.620E-02
		{ 2.960E-04}	{ 3.210E-03}
02/11/1997		< 1.510E-04	2.210E-02
		{ 2.260E-04}	{ 2.760E-03}
02/25/1997		4.410E-04	7.800E-03
		{ 3.030E-04}	{ 1.440E-03}
03/11/1997		3.160E-04	4.870E-03
		{ 2.590E-04}	{ 1.210E-03}
03/24/1997		< -8.450E-05	6.750E-03
		{ 1.790E-04}	{ 1.350E-03}
04/08/1997		< 2.220E-04	5.410E-03
		{ 2.340E-04}	{ 1.200E-03}
04/22/1997		3.120E-04	2.210E-02
		{ 2.260E-04}	{ 2.690E-03}
05/06/1997		< 2.050E-04	7.040E-03
		{ 2.180E-04}	{ 1.310E-03}
05/20/1997		3.090E-04	1.010E-02
		{ 2.650E-04}	{ 1.640E-03}
06/03/1997		< 2.060E-04	6.540E-03
		{ 4.260E-04}	{ 1.490E-03}
06/17/1997		< 1.300E-03	2.280E-02
		{ 1.840E-03}	{ 5.750E-03}
07/01/1997		4.540E-04	6.600E-03
		{ 4.190E-04}	{ 1.440E-03}
07/16/1997		8.740E-04	9.330E-03
		{ 4.450E-04}	{ 1.710E-03}
07/29/1997		< 5.230E-04	1.820E-02
		{ 5.650E-04}	{ 3.080E-03}
08/12/1997	1	NR	NR
08/26/1997		6.770E-04	1.600E-02
		{ 5.800E-04}	{ 2.800E-03}
09/09/1997		7.010E-04	1.960E-02
		{ 5.640E-04}	{ 3.210E-03}

2232 100 D AREA

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/14/1997		3.720E-04	1.310E-02
		{ 2.780E-04}	{ 1.930E-03}
01/28/1997		5.590E-04	2.160E-02
		{ 3.190E-04}	{ 2.650E-03}
02/11/1997		3.740E-04	2.150E-02
		{ 2.780E-04}	{ 2.790E-03}
02/25/1997		< 9.730E-05	6.740E-03
		{ 2.100E-04}	{ 1.310E-03}
03/11/1997		< 1.870E-04	4.170E-03
		{ 2.210E-04}	{ 1.150E-03}
03/24/1997		< 4.120E-05	6.720E-03
		{ 2.200E-04}	{ 1.350E-03}
04/08/1997		2.950E-04	6.770E-03
		{ 2.640E-04}	{ 1.380E-03}
04/22/1997		3.480E-04	1.960E-02
		{ 2.560E-04}	{ 2.520E-03}
05/06/1997		5.530E-04	5.370E-03
		{ 3.220E-04}	{ 1.200E-03}
05/20/1997	2	NR	NR
06/03/1997		5.500E-04	6.090E-03
		{ 5.160E-04}	{ 1.520E-03}
06/17/1997		< 4.030E-04	9.690E-03
		{ 5.900E-04}	{ 2.070E-03}
07/01/1997		< 2.720E-05	6.530E-03
		{ 3.580E-04}	{ 1.460E-03}
07/16/1997		8.340E-04	8.980E-03
		{ 4.160E-04}	{ 1.650E-03}
07/29/1997		8.420E-04	1.730E-02
		{ 6.310E-04}	{ 2.970E-03}
08/12/1997		< 2.110E-04	1.980E-02
		{ 4.920E-04}	{ 3.230E-03}
08/26/1997		9.520E-04	1.720E-02
		{ 5.890E-04}	{ 2.950E-03}
09/09/1997		6.290E-04	1.770E-02
		{ 5.630E-04}	{ 2.900E-03}

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2230 100 K AREA

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/23/1997		< 5.580E-04	1.680E-02
		{ 5.810E-04}	{ 2.900E-03}
10/07/1997		7.930E-04	1.730E-02
		{ 5.760E-04}	{ 2.870E-03}
10/21/1997		8.790E-04	1.840E-02
		{ 6.230E-04}	{ 3.040E-03}
11/03/1997		6.340E-04	1.570E-02
		{ 5.150E-04}	{ 2.720E-03}
11/18/1997		2.990E-03	4.680E-02
		{ 1.250E-03}	{ 6.660E-03}
12/02/1997		1.400E-03	1.350E-02
		{ 6.390E-04}	{ 2.450E-03}
12/15/1997		1.750E-03	3.400E-02
		{ 9.690E-04}	{ 5.080E-03}
12/30/1997		1.290E-03	1.480E-02
		{ 1.080E-03}	{ 3.810E-03}
MEAN		6.423E-04	1.487E-02
MINIMUM		< -2.110E-04	3.590E-03
MAXIMUM		2.990E-03	4.680E-02
2STD. ERR		2.591E-04	3.775E-03

2231 100 N-1325 CRIB

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/23/1997		< 4.200E-04	1.570E-02
		{ 5.210E-04}	{ 2.720E-03}
10/07/1997		< 4.350E-04	2.040E-02
		{ 5.200E-04}	{ 3.260E-03}
10/21/1997		8.860E-04	2.290E-02
		{ 7.070E-04}	{ 3.680E-03}
11/03/1997		< 5.610E-04	1.970E-02
		{ 6.060E-04}	{ 3.220E-03}
11/18/1997		1.540E-03	4.990E-02
		{ 1.170E-03}	{ 7.050E-03}
12/02/1997		1.030E-03	1.520E-02
		{ 5.750E-04}	{ 2.670E-03}
12/15/1997		1.410E-03	3.860E-02
		{ 9.990E-04}	{ 5.690E-03}
12/30/1997		7.780E-04	1.790E-02
		{ 5.570E-04}	{ 2.870E-03}
MEAN		5.872E-04	1.735E-02
MINIMUM		< -8.450E-05	4.870E-03
MAXIMUM		1.540E-03	4.990E-02
2STD. ERR		1.620E-04	4.246E-03

2232 100 D AREA

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/23/1997		9.230E-04	1.760E-02
		{ 5.910E-04}	{ 3.010E-03}
10/07/1997		1.070E-03	2.140E-02
		{ 6.200E-04}	{ 3.390E-03}
10/21/1997		1.110E-03	2.350E-02
		{ 6.850E-04}	{ 3.780E-03}
11/03/1997		8.330E-04	1.780E-02
		{ 6.360E-04}	{ 3.050E-03}
11/18/1997		1.400E-03	4.450E-02
		{ 9.510E-04}	{ 6.370E-03}
12/02/1997		8.470E-04	1.200E-02
		{ 4.970E-04}	{ 2.200E-03}
12/15/1997		9.530E-04	3.510E-02
		{ 8.190E-04}	{ 5.280E-03}
12/30/1997		< 4.540E-04	1.740E-02
		{ 4.820E-04}	{ 2.860E-03}
MEAN		5.946E-04	1.593E-02
MINIMUM		< 2.720E-05	4.170E-03
MAXIMUM		1.400E-03	4.450E-02
2STD. ERR		1.471E-04	3.809E-03

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 BETA/ALPHA ANALYSES NOT PERFORMED BY LAB.
2 NO SAMPLE. PUMP FAILURE, SAVE FOR COMPOSITE.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2227 100 AREAS-100 K AREA,100 N-1325 CRIB,100 D AREA (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU-239/240 PCI/M3	SR-90 PCI/M3
04/08/1997		6.990E-02	< -3.710E-05	< 9.680E-05	< -1.960E-04	< 3.590E-03	nra	nra	nra
		{ 1.240E-02}	{ 2.290E-04}	{ 1.790E-04}	{ 2.130E-04}	{ 4.110E-03}			
07/01/1997		1.350E-01	< 3.190E-05	< -1.610E-04	< -6.060E-06	< 2.450E-03	nra	nra	nra
		{ 2.280E-02}	{ 2.470E-04}	{ 2.620E-04}	{ 2.580E-04}	{ 4.900E-03}			
10/07/1997		1.870E-01	< -5.350E-05	< 8.470E-05	< -4.940E-05	< 3.160E-03	nra	nra	nra
		{ 2.480E-02}	{ 2.970E-04}	{ 1.780E-04}	{ 2.060E-04}	{ 5.140E-03}			
12/30/1997		6.570E-02	< -7.750E-05	< -7.270E-05	< 7.100E-05	< 3.820E-03	< 8.250E-08	6.440E-07	< 4.330E-06
		{ 1.520E-02}	{ 3.540E-04}	{ 2.390E-04}	{ 2.300E-04}	{ 4.790E-03}	{ 1.040E-07}	{ 2.480E-07}	{ 4.380E-06}
MEAN		1.144E-01	-3.405E-05	-1.305E-05	-4.512E-05	3.255E-03	8.250E-08	6.440E-07	4.330E-06
MINIMUM		6.570E-02	< -7.750E-05	< -1.610E-04	< -1.960E-04	< 2.450E-03	< 8.250E-08	6.440E-07	< 4.330E-06
MAXIMUM		1.870E-01	< 3.190E-05	< 9.680E-05	< 7.100E-05	< 3.820E-03	< 8.250E-08	6.440E-07	< 4.330E-06
2STD. ERR		5.787E-02	4.699E-05	1.253E-04	1.122E-04	6.024E-04	.000E+00	.000E+00	.000E+00

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
nra - Not routinely analyzed or analyzed on a less frequent basis

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2234 N OF 200 E

OFF DATE	COM	BETA PCI/M3
01/21/1997		1.740E-02
		(2.370E-03)
02/04/1997		1.670E-02
		(2.310E-03)
02/24/1997		1.890E-02
		(2.170E-03)
03/04/1997		4.680E-03
		(1.730E-03)
03/18/1997		5.640E-03
		(1.220E-03)
04/04/1997	1	NR
04/15/1997		1.290E-02
		(1.980E-03)
04/29/1997		6.500E-03
		(1.240E-03)
05/13/1997		8.090E-03
		(1.490E-03)
05/27/1997		6.920E-03
		(1.570E-03)
06/10/1997		5.160E-03
		(1.330E-03)
06/24/1997		5.530E-03
		(1.620E-03)
07/14/1997		9.640E-03
		(1.750E-03)
07/22/1997		1.740E-02
		(3.420E-03)
08/04/1997		1.630E-02
		(2.850E-03)
08/19/1997		1.690E-02
		(2.770E-03)
09/02/1997		2.020E-02
		(3.350E-03)
09/16/1997		1.990E-02
		(3.210E-03)

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2234 N OF 200 E

OFF DATE	COM	BETA PCI/M3
09/30/1997		2.280E-02
		{ 3.580E-03}
10/14/1997		1.110E-02
		{ 2.190E-03}
10/28/1997		2.750E-02
		{ 4.690E-03}
11/11/1997		2.110E-02
		{ 3.380E-03}
11/24/1997		3.990E-02
		{ 5.860E-03}
12/09/1997		2.740E-02
		{ 4.130E-03}
12/22/1997		2.330E-02
		{ 3.730E-03}
01/06/1998		1.540E-02
		{ 2.630E-03}
MEAN		1.589E-02
MINIMUM		4.680E-03
MAXIMUM		3.990E-02
2STD. ERR		3.442E-03

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE. SAVE FOR COMPOSITE, PUMP RUNNING BUT NO FLOW.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2773 N OF 200 E-N OF 200 E (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3
01/06/1998		2.770E-01	< 1.980E-05	< 1.800E-05	< -9.160E-06	< 2.850E-03
		{ 5.360E-02}	{ 1.310E-04}	{ 1.680E-04}	{ 1.820E-04}	{ 3.770E-03}

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2238 E OF 200 E

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/21/1997		3.120E-04	1.900E-02
		{ 2.640E-04}	{ 2.430E-03}
02/04/1997	1	NR	NR
02/24/1997		5.010E-04	1.370E-02
		{ 2.620E-04}	{ 1.880E-03}
03/04/1997		< -1.470E-04	6.000E-03
		{ 2.810E-04}	{ 1.860E-03}
03/18/1997		< 7.030E-05	5.020E-03
		{ 1.800E-04}	{ 1.210E-03}
04/04/1997		3.350E-04	5.710E-03
		{ 2.470E-04}	{ 1.140E-03}
04/15/1997		3.660E-04	1.280E-02
		{ 3.090E-04}	{ 2.020E-03}
04/29/1997		3.240E-04	5.470E-03
		{ 2.450E-04}	{ 1.180E-03}
05/13/1997		< 9.050E-05	6.900E-03
		{ 2.000E-04}	{ 1.400E-03}
05/27/1997		9.230E-04	9.340E-03
		{ 6.070E-04}	{ 1.880E-03}
06/10/1997		< 1.630E-04	4.960E-03
		{ 3.670E-04}	{ 1.310E-03}
06/24/1997		< 3.220E-04	5.860E-03
		{ 4.840E-04}	{ 1.590E-03}
07/14/1997		4.760E-04	9.300E-03
		{ 4.390E-04}	{ 1.710E-03}
07/22/1997		< 1.500E-04	1.610E-02
		{ 5.740E-04}	{ 3.260E-03}
08/04/1997		< 3.460E-04	1.700E-02
		{ 5.480E-04}	{ 2.930E-03}
08/19/1997		5.050E-04	1.540E-02
		{ 4.520E-04}	{ 2.580E-03}
09/02/1997		< 3.590E-04	1.660E-02
		{ 4.970E-04}	{ 2.890E-03}
09/16/1997		8.630E-04	1.820E-02
		{ 6.160E-04}	{ 2.990E-03}

2239 200 ESE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/21/1997		3.060E-04	1.850E-02
		{ 2.570E-04}	{ 2.430E-03}
02/04/1997	2	NR	NR
02/24/1997		3.370E-04	1.270E-02
		{ 2.320E-04}	{ 1.790E-03}
03/04/1997		< 4.010E-05	6.740E-03
		{ 3.010E-04}	{ 1.900E-03}
03/18/1997		< -5.300E-05	4.810E-03
		{ 1.350E-04}	{ 1.200E-03}
04/04/1997		< 6.030E-05	5.640E-03
		{ 1.960E-04}	{ 1.170E-03}
04/15/1997		4.700E-04	1.200E-02
		{ 3.210E-04}	{ 1.970E-03}
04/29/1997		3.290E-04	6.780E-03
		{ 2.270E-04}	{ 1.260E-03}
05/13/1997		3.870E-04	8.590E-03
		{ 2.620E-04}	{ 1.530E-03}
05/27/1997		< 4.000E-04	8.380E-03
		{ 5.190E-04}	{ 1.750E-03}
06/10/1997		< 1.860E-05	4.870E-03
		{ 3.160E-04}	{ 1.240E-03}
06/24/1997	3	NR	NR
07/14/1997		5.020E-04	9.360E-03
		{ 4.440E-04}	{ 1.720E-03}
07/22/1997		9.460E-04	1.780E-02
		{ 7.500E-04}	{ 3.490E-03}
08/04/1997		< 5.840E-04	1.670E-02
		{ 5.950E-04}	{ 2.950E-03}
08/19/1997		5.890E-04	1.760E-02
		{ 4.980E-04}	{ 2.880E-03}
09/02/1997		8.660E-04	1.960E-02
		{ 6.030E-04}	{ 3.260E-03}
09/16/1997		6.350E-04	2.010E-02
		{ 6.310E-04}	{ 3.280E-03}

2241 S OF 200 E

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/21/1997		6.350E-04	1.870E-02
		{ 3.310E-04}	{ 2.520E-03}
02/04/1997		8.070E-04	1.770E-02
		{ 3.630E-04}	{ 2.310E-03}
02/24/1997		5.700E-04	1.740E-02
		{ 2.460E-04}	{ 2.040E-03}
03/04/1997		< 1.850E-04	7.350E-03
		{ 4.160E-04}	{ 1.970E-03}
03/18/1997		< 7.710E-05	5.130E-03
		{ 1.720E-04}	{ 1.200E-03}
04/08/1997		1.890E-04	6.270E-03
		{ 1.750E-04}	{ 1.070E-03}
04/15/1997		4.650E-04	1.520E-02
		{ 4.590E-04}	{ 2.820E-03}
04/29/1997		3.140E-04	6.780E-03
		{ 2.370E-04}	{ 1.280E-03}
05/13/1997		2.490E-04	8.210E-03
		{ 2.480E-04}	{ 1.500E-03}
05/27/1997		< 3.420E-04	7.890E-03
		{ 4.830E-04}	{ 1.650E-03}
06/10/1997		< 1.690E-04	6.250E-03
		{ 3.700E-04}	{ 1.410E-03}
06/24/1997		< 6.550E-05	5.480E-03
		{ 4.440E-04}	{ 1.590E-03}
07/14/1997		8.250E-04	9.610E-03
		{ 4.980E-04}	{ 1.770E-03}
07/22/1997		1.060E-03	1.930E-02
		{ 8.410E-04}	{ 3.780E-03}
08/04/1997		< 4.960E-04	1.650E-02
		{ 5.220E-04}	{ 2.890E-03}
08/19/1997		5.180E-04	1.530E-02
		{ 4.600E-04}	{ 2.570E-03}
09/02/1997		9.490E-04	1.820E-02
		{ 5.930E-04}	{ 3.040E-03}
09/16/1997		6.800E-04	1.750E-02
		{ 5.980E-04}	{ 2.940E-03}

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2238 E OF 200 E

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/30/1997		< 4.910E-04	2.100E-02
		{ 5.280E-04}	{ 3.320E-03}
10/14/1997		< -7.710E-05	9.300E-03
		{ 3.630E-04}	{ 1.870E-03}
10/28/1997		< 6.310E-04	2.230E-02
		{ 8.100E-04}	{ 3.930E-03}
11/11/1997		6.050E-04	1.820E-02
		{ 5.710E-04}	{ 3.000E-03}
11/24/1997		1.370E-03	4.150E-02
		{ 1.070E-03}	{ 6.080E-03}
12/09/1997		< 5.000E-04	2.660E-02
		{ 6.070E-04}	{ 4.050E-03}
12/22/1997		< 4.960E-04	2.410E-02
		{ 5.990E-04}	{ 3.810E-03}
01/06/1998		7.260E-04	1.620E-02
		{ 5.030E-04}	{ 2.700E-03}
MEAN		4.280E-04	1.466E-02
MINIMUM		< -1.470E-04	4.960E-03
MAXIMUM		1.370E-03	4.150E-02
2STD. ERR		1.303E-04	3.428E-03

2239 200 ESE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/30/1997		1.090E-03	2.120E-02
		{ 6.720E-04}	{ 3.340E-03}
10/14/1997		< 3.850E-04	9.950E-03
		{ 4.730E-04}	{ 2.000E-03}
10/28/1997		< 8.800E-04	2.610E-02
		{ 9.130E-04}	{ 4.430E-03}
11/11/1997		< 2.460E-04	2.120E-02
		{ 5.770E-04}	{ 3.360E-03}
11/24/1997		1.090E-03	3.810E-02
		{ 9.680E-04}	{ 5.610E-03}
12/09/1997		< 2.490E-04	2.590E-02
		{ 5.620E-04}	{ 3.930E-03}
12/22/1997		< 3.550E-04	1.940E-02
		{ 5.170E-04}	{ 3.210E-03}
01/06/1998		< 2.470E-04	1.590E-02
		{ 4.340E-04}	{ 2.670E-03}
MEAN		4.566E-04	1.533E-02
MINIMUM		< -5.300E-05	4.810E-03
MAXIMUM		1.090E-03	3.810E-02
2STD. ERR		1.332E-04	3.333E-03

2241 S OF 200 E

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/30/1997		7.550E-04	2.030E-02
		{ 6.380E-04}	{ 3.280E-03}
10/14/1997		< 6.030E-05	1.040E-02
		{ 3.980E-04}	{ 2.050E-03}
10/28/1997		< 5.940E-04	2.360E-02
		{ 7.580E-04}	{ 4.100E-03}
11/11/1997		6.860E-04	1.750E-02
		{ 5.730E-04}	{ 2.880E-03}
11/24/1997		1.250E-03	3.700E-02
		{ 9.760E-04}	{ 5.530E-03}
12/09/1997		< 5.430E-04	2.560E-02
		{ 5.990E-04}	{ 3.880E-03}
12/22/1997		7.920E-04	2.110E-02
		{ 6.020E-04}	{ 3.420E-03}
01/06/1998	4	NR	NR
MEAN		5.310E-04	1.497E-02
MINIMUM		< 6.030E-05	5.130E-03
MAXIMUM		1.250E-03	3.700E-02
2STD. ERR		1.290E-04	3.077E-03

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE. POWER OUTAGE, SAVE FOR COMPOSITE.
2 NO SAMPLE. POWER OUTAGE, SAVE FOR COMPOSITE.
3 NO SAMPLE. BAD PUMP, SAVE FOR COMPOSITE.
4 NO RWP PREVENTED ACCESS. SAMPLE NOT COLLECTED UNTIL 1/20/98 UNDER SAMPLE No. B0MTK7.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2236 200 E AREA-E OF 200 E,200 ESE,S OF 200 E (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU-239/240 PCI/M3	SR-90 PCI/M3
04/08/1997		3.660E-02	< 3.950E-05	< 4.840E-05	< -6.290E-05	< 2.240E-03	nra	nra	nra
		{ 6.430E-03}	{ 2.420E-04}	{ 2.030E-04}	{ 2.630E-04}	{ 7.470E-03}			
07/14/1997		1.260E-01	< -9.050E-05	< -1.320E-04	1.970E-04	5.330E-03	nra	nra	nra
		{ 1.920E-02}	{ 2.290E-04}	{ 2.220E-04}	{ 1.850E-04}	{ 4.860E-03}			
09/30/1997		2.190E-01	< 4.830E-05	< 1.430E-04	< -5.840E-05	< 2.850E-03	nra	nra	nra
		{ 2.860E-02}	{ 3.060E-04}	{ 2.360E-04}	{ 2.370E-04}	{ 5.550E-03}			
01/06/1998		9.820E-02	< 1.660E-04	< 3.070E-05	< 1.100E-04	< 3.660E-03	< -8.730E-09	< 1.430E-07	9.210E-06
		{ 1.710E-02}	{ 2.450E-04}	{ 2.130E-04}	{ 1.720E-04}	{ 4.890E-03}	{ 9.630E-08}	{ 1.790E-07}	{ 6.930E-06}
MEAN		1.200E-01	4.083E-05	2.253E-05	4.643E-05	3.520E-03	-8.730E-09	1.430E-07	9.210E-06
MINIMUM		3.660E-02	< -9.050E-05	< -1.320E-04	< -6.290E-05	< 2.240E-03	< -8.730E-09	< 1.430E-07	9.210E-06
MAXIMUM		2.190E-01	<. 1.660E-04	< 1.430E-04	1.970E-04	5.330E-03	< -8.730E-09	< 1.430E-07	9.210E-06
2STD. ERR		7.587E-02	1.048E-04	1.142E-04	1.287E-04	1.340E-03	.000E+00	.000E+00	.000E+00

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2236 200 E AREA-E OF 200 E,200 ESE,S OF 200 E (PARTICULATE , FILTER1)

OFF DATE	COM	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3
04/08/1997		nra	nra	nra
07/14/1997		nra	nra	nra
09/30/1997		nra	nra	nra
01/06/1998		1.660E-05	5.700E-07	1.530E-05
		{ 2.810E-06}	{ 5.010E-07}	{ 2.660E-06}
MEAN		1.660E-05	5.700E-07	1.530E-05
MINIMUM		1.660E-05	5.700E-07	1.530E-05
MAXIMUM		1.660E-05	5.700E-07	1.530E-05
2STD. ERR		.000E+00	.000E+00	.000E+00

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
nra - Not routinely analyzed or analyzed on a less frequent basis

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2244 B POND

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/21/1997		7.070E-04	4.690E-02
		{ 3.650E-04}	{ 5.170E-03}
02/04/1997	1	NR	NR
02/24/1997	2	NR	NR
03/04/1997	3	NR	NR
03/18/1997		2.590E-04	6.290E-03
		{ 2.520E-04}	{ 1.310E-03}
04/04/1997		3.040E-04	7.430E-03
		{ 2.090E-04}	{ 1.290E-03}
04/15/1997		5.380E-04	1.050E-02
		{ 3.550E-04}	{ 1.910E-03}
04/29/1997		2.670E-04	6.810E-03
		{ 2.480E-04}	{ 1.400E-03}
05/13/1997		3.640E-04	7.590E-03
		{ 2.730E-04}	{ 1.430E-03}
05/27/1997		< 1.260E-04	9.840E-03
		{ 5.390E-04}	{ 2.010E-03}
06/10/1997		< 4.600E-04	6.840E-03
		{ 4.690E-04}	{ 1.590E-03}
06/24/1997		< -2.090E-04	7.060E-03
		{ 3.880E-04}	{ 1.710E-03}
07/14/1997		5.200E-04	7.660E-03
		{ 4.390E-04}	{ 1.560E-03}
07/22/1997		8.880E-04	1.370E-02
		{ 7.780E-04}	{ 3.100E-03}
08/04/1997		< 4.250E-04	1.230E-02
		{ 5.270E-04}	{ 2.380E-03}
08/19/1997		< 2.220E-04	1.120E-02
		{ 4.120E-04}	{ 2.100E-03}
09/02/1997		< 3.350E-04	1.120E-02
		{ 4.330E-04}	{ 2.130E-03}
09/16/1997		< 3.830E-04	1.260E-02
		{ 4.400E-04}	{ 2.340E-03}

2245 B POND *

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2244 B POND 2245 B POND *

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/30/1997		8.170E-04	1.790E-02
		{ 6.020E-04}	{ 3.110E-03}
10/14/1997		4.180E-04	7.040E-03
		{ 3.940E-04}	{ 1.630E-03}
10/28/1997		8.310E-04	1.660E-02
		{ 8.210E-04}	{ 3.270E-03}
11/11/1997		6.740E-04	1.470E-02
		{ 5.090E-04}	{ 2.590E-03}
11/24/1997		< 6.560E-04	2.730E-02
		{ 6.920E-04}	{ 4.280E-03}
12/09/1997		< 4.580E-04	1.910E-02
		{ 5.740E-04}	{ 3.130E-03}
12/22/1997		6.620E-04	1.520E-02
		{ 5.720E-04}	{ 2.720E-03}
01/06/1998		4.960E-04	1.120E-02
		{ 4.310E-04}	{ 2.130E-03}
MEAN		4.609E-04	1.335E-02
MINIMUM		< -2.090E-04	6.290E-03
MAXIMUM		8.880E-04	4.690E-02
2STD. ERR		1.051E-04	3.710E-03

< - Result less than 2 sigma Total Propagated Analytical Uncertainty which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
* - Analyzed as part of a composite sample only
1 NO SAMPLE. POWER OUTAGE, SAVE FOR COMPOSITE.
2 NO SAMPLE. POWER OUTAGE.
3 NO SAMPLE. POWER OUTAGE.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2242 B POND-B POND,B POND (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU-239/240 PCI/M3	SR-90 PCI/M3
04/04/1997		1.100E-01	< 2.890E-04	< -1.050E-04	< 4.050E-04	< 1.690E-03	nra	nra	nra
		{ 2.390E-02}	{ 5.920E-04}	{ 5.120E-04}	{ 4.210E-04}	{ 1.040E-02}			
07/14/1997		1.400E-01	< -2.760E-05	< 1.340E-04	< -3.050E-04	1.640E-02	nra	nra	nra
		{ 2.860E-02}	{ 3.170E-04}	{ 2.680E-04}	{ 3.270E-04}	{ 6.270E-03}			
09/30/1997		1.160E-01	< -2.770E-05	< 1.120E-04	2.710E-04	< 1.120E-03	nra	nra	nra
		{ 2.060E-02}	{ 3.180E-04}	{ 3.220E-04}	{ 2.310E-04}	{ 9.500E-03}			
01/06/1998		8.300E-02	< 2.160E-04	< 2.030E-04	4.290E-04	< 1.660E-03	< -3.430E-08	6.900E-07	< 9.580E-06
		{ 1.780E-02}	{ 3.690E-04}	{ 2.820E-04}	{ 2.870E-04}	{ 7.570E-03}	{ 1.900E-07}	{ 4.860E-07}	{ 1.120E-05}
MEAN		1.123E-01	1.124E-04	8.600E-05	2.000E-04	5.218E-03	-3.430E-08	6.900E-07	9.580E-06
MINIMUM		8.300E-02	< -2.770E-05	< -1.050E-04	< -3.050E-04	< 1.120E-03	< -3.430E-08	6.900E-07	< 9.580E-06
MAXIMUM		1.400E-01	< 2.890E-04	< 2.030E-04	4.290E-04	1.640E-02	< -3.430E-08	6.900E-07	< 9.580E-06
2STD. ERR		2.341E-02	1.645E-04	1.331E-04	3.438E-04	7.460E-03	.000E+00	.000E+00	.000E+00

2242 B POND-B POND,B POND (PARTICULATE , FILTER1)

OFF DATE	COM	U-234 PCI/M3		U-235 PCI/M3	U-238 PCI/M3
04/04/1997		nra		nra	nra
07/14/1997		nra		nra	nra
09/30/1997		nra		nra	nra
01/06/1998		2.590E-05	<	5.850E-07	2.930E-05
		(4.240E-06)		(6.590E-07)	(4.620E-06)
MEAN		2.590E-05		5.850E-07	2.930E-05
MINIMUM		2.590E-05	<	5.850E-07	2.930E-05
MAXIMUM		2.590E-05	<	5.850E-07	2.930E-05
2STD. ERR		.000E+00		.000E+00	.000E+00

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.
nra - Not routinely analyzed or analyzed on a less frequent basis

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2248 ARMY LOOP CAMP

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/21/1997		3.930E-04	2.270E-02
		{ 2.890E-04}	{ 2.760E-03}
02/04/1997		3.760E-04	1.650E-02
		{ 2.590E-04}	{ 2.210E-03}
02/24/1997		3.210E-04	1.670E-02
		{ 1.980E-04}	{ 1.940E-03}
03/04/1997	<	2.300E-04	4.490E-03
		{ 3.620E-04}	{ 1.570E-03}
03/18/1997	<	-5.250E-05	3.890E-03
		{ 1.290E-04}	{ 1.070E-03}
04/04/1997		2.850E-04	6.720E-03
		{ 2.380E-04}	{ 1.240E-03}
04/15/1997		6.860E-04	1.200E-02
		{ 3.800E-04}	{ 1.940E-03}
04/29/1997	<	1.570E-04	6.350E-03
		{ 2.030E-04}	{ 1.270E-03}
05/13/1997	<	1.650E-04	8.060E-03
		{ 2.200E-04}	{ 1.460E-03}
05/27/1997	<	1.850E-04	8.810E-03
		{ 4.950E-04}	{ 1.810E-03}
06/10/1997	<	4.310E-04	6.460E-03
		{ 4.410E-04}	{ 1.500E-03}
06/24/1997	<	1.210E-04	6.020E-03
		{ 4.940E-04}	{ 1.730E-03}
07/14/1997		6.850E-04	9.960E-03
		{ 4.790E-04}	{ 1.790E-03}
07/22/1997		1.100E-03	1.730E-02
		{ 8.450E-04}	{ 3.400E-03}
08/04/1997		8.030E-04	1.590E-02
		{ 5.550E-04}	{ 2.770E-03}
08/19/1997	<	4.720E-04	1.600E-02
		{ 5.170E-04}	{ 2.650E-03}
09/02/1997		6.760E-04	1.680E-02
		{ 5.930E-04}	{ 2.880E-03}
09/16/1997	<	4.200E-04	1.740E-02
		{ 4.940E-04}	{ 2.920E-03}

2249 200 TEL. EXCHANGE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/21/1997	<	1.960E-04	2.310E-02
		{ 2.320E-04}	{ 2.800E-03}
02/04/1997		5.830E-04	1.530E-02
		{ 3.280E-04}	{ 2.130E-03}
02/24/1997		3.430E-04	1.380E-02
		{ 1.950E-04}	{ 1.760E-03}
03/04/1997	<	8.370E-05	6.750E-03
		{ 3.290E-04}	{ 1.990E-03}
03/18/1997	<	1.440E-04	5.210E-03
		{ 1.930E-04}	{ 1.180E-03}
04/04/1997		3.060E-04	6.010E-03
		{ 2.190E-04}	{ 1.110E-03}
04/15/1997		5.120E-04	1.160E-02
		{ 3.580E-04}	{ 1.940E-03}
04/29/1997	<	1.810E-04	6.750E-03
		{ 2.010E-04}	{ 1.260E-03}
05/13/1997		3.150E-04	8.490E-03
		{ 2.420E-04}	{ 1.500E-03}
05/27/1997	<	1.060E-04	8.430E-03
		{ 4.580E-04}	{ 1.720E-03}
06/10/1997	<	2.840E-04	5.440E-03
		{ 4.150E-04}	{ 1.410E-03}
06/24/1997		6.230E-04	7.210E-03
		{ 5.600E-04}	{ 1.770E-03}
07/14/1997		4.880E-04	9.310E-03
		{ 4.560E-04}	{ 1.750E-03}
07/22/1997	<	2.510E-04	1.750E-02
		{ 6.500E-04}	{ 3.480E-03}
08/04/1997		5.390E-04	1.620E-02
		{ 5.250E-04}	{ 2.840E-03}
08/19/1997		1.080E-03	1.480E-02
		{ 5.370E-04}	{ 2.510E-03}
09/02/1997		1.240E-03	2.510E-02
		{ 7.940E-04}	{ 4.150E-03}
09/16/1997		9.170E-04	1.970E-02
		{ 6.330E-04}	{ 3.180E-03}

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2248 ARMY LOOP CAMP

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/30/1997		1.040E-03	2.120E-02
		(6.280E-04)	(3.400E-03)
10/14/1997	<	3.290E-04	1.040E-02
		(4.460E-04)	(2.100E-03)
10/28/1997	<	8.140E-04	2.740E-02
		(8.740E-04)	(4.650E-03)
11/11/1997		7.080E-04	2.160E-02
		(5.850E-04)	(3.440E-03)
11/24/1997		1.280E-03	4.460E-02
		(9.820E-04)	(6.500E-03)
12/09/1997		7.970E-04	2.880E-02
		(7.550E-04)	(4.310E-03)
12/22/1997	<	6.320E-04	2.290E-02
		(6.860E-04)	(3.690E-03)
01/06/1998		8.450E-04	1.720E-02
		(5.720E-04)	(2.840E-03)
MEAN		5.346E-04	1.562E-02
MINIMUM	<	-5.250E-05	3.890E-03
MAXIMUM		1.280E-03	4.460E-02
2STD. ERR		1.309E-04	3.606E-03

2249 200 TEL. EXCHANGE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/30/1997	<	3.150E-04	2.220E-02
		(5.110E-04)	(3.440E-03)
10/14/1997	<	1.580E-04	1.070E-02
		(4.190E-04)	(2.080E-03)
10/28/1997		9.380E-04	2.400E-02
		(8.480E-04)	(4.190E-03)
11/11/1997	<	5.740E-04	1.760E-02
		(6.180E-04)	(3.120E-03)
11/24/1997		9.870E-04	3.190E-02
		(8.660E-04)	(4.870E-03)
12/09/1997	<	2.710E-04	2.290E-02
		(5.280E-04)	(3.530E-03)
12/22/1997	<	4.120E-04	2.040E-02
		(5.540E-04)	(3.370E-03)
01/06/1998	<	4.040E-04	1.440E-02
		(4.890E-04)	(2.490E-03)
MEAN		4.712E-04	1.480E-02
MINIMUM	<	8.370E-05	5.210E-03
MAXIMUM		1.240E-03	3.190E-02
2STD. ERR		1.258E-04	2.859E-03

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2246 200 W SOUTH EAST-ARMY LOOP CAMP,200 TEL. EXCHANGE (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU-239/240 PCI/M3	SR-90 PCI/M3
04/04/1997		6.860E-02	< 2.500E-04	< 9.670E-05	< 2.640E-04	1.320E-02	nra	nra	nra
		{ 1.740E-02}	{ 3.740E-04}	{ 3.090E-04}	{ 3.370E-04}	{ 5.750E-03}			
07/14/1997		1.370E-01	< -5.680E-05	< 8.930E-05	< 2.840E-04	< 7.220E-03	nra	nra	nra
		{ 2.570E-02}	{ 3.340E-04}	{ 2.850E-04}	{ 2.900E-04}	{ 8.370E-03}			
09/30/1997		2.280E-01	4.450E-04	< -2.320E-04	< -2.780E-05	< 7.210E-03	nra	nra	nra
		{ 3.490E-02}	{ 4.010E-04}	{ 3.370E-04}	{ 3.380E-04}	{ 8.000E-03}			
01/06/1998		1.130E-01	3.980E-04	< 7.540E-05	< 7.840E-05	< 4.120E-03	< -1.490E-08	1.190E-06	< 4.400E-07
		{ 1.930E-02}	{ 3.330E-04}	{ 2.730E-04}	{ 3.490E-04}	{ 6.610E-03}	{ 1.350E-07}	{ 5.320E-07}	{ 7.470E-06}
MEAN		1.367E-01	2.591E-04	7.350E-06	1.497E-04	7.938E-03	-1.490E-08	1.190E-06	4.400E-07
MINIMUM		6.860E-02	< -5.680E-05	< -2.320E-04	< -2.780E-05	< 4.120E-03	< -1.490E-08	1.190E-06	< 4.400E-07
MAXIMUM		2.280E-01	4.450E-04	< 9.670E-05	< 2.840E-04	1.320E-02	< -1.490E-08	1.190E-06	< 4.400E-07
2STD. ERR		6.717E-02	2.264E-04	1.598E-04	1.502E-04	3.800E-03	.000E+00	.000E+00	.000E+00

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2246 200 W SOUTH EAST-ARMY LOOP CAMP,200 TEL. EXCHANGE (PARTICULATE , FILTER1)

OFF DATE	COM	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3
04/04/1997		nra	nra	nra
07/14/1997		nra	nra	nra
09/30/1997		nra	nra	nra
01/06/1998		2.260E-05 { 4.080E-06}	< 2.020E-07 { 5.780E-07}	2.420E-05 { 4.290E-06}
MEAN		2.260E-05	2.020E-07	2.420E-05
MINIMUM		2.260E-05	< 2.020E-07	2.420E-05
MAXIMUM		2.260E-05	< 2.020E-07	2.420E-05
2STD. ERR		.000E+00	.000E+00	.000E+00

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
nra - Not routinely analyzed or analyzed on a less frequent basis

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2252 200 W SE

2253 200 W SE *

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/21/1997	<	2.300E-04	3.040E-02
	{	2.640E-04}	{ 3.630E-03}
02/04/1997		7.980E-04	2.090E-02
	{	3.740E-04}	{ 2.590E-03}
02/24/1997		4.240E-04	1.860E-02
	{	2.410E-04}	{ 2.270E-03}
03/04/1997		9.870E-04	9.650E-03
	{	5.330E-04}	{ 2.090E-03}
03/18/1997		3.140E-04	6.460E-03
	{	2.620E-04}	{ 1.300E-03}
04/04/1997		3.720E-04	8.150E-03
	{	2.430E-04}	{ 1.430E-03}
04/15/1997	<	2.550E-05	1.410E-02
	{	2.130E-04}	{ 2.280E-03}
04/29/1997		3.790E-04	8.250E-03
	{	2.790E-04}	{ 1.460E-03}
05/13/1997		6.320E-04	1.010E-02
	{	3.440E-04}	{ 1.630E-03}
05/27/1997	<	6.010E-04	1.320E-02
	{	6.400E-04}	{ 2.390E-03}
06/10/1997	<	4.500E-04	8.300E-03
	{	4.920E-04}	{ 1.780E-03}
06/24/1997	<	3.910E-04	6.500E-03
	{	4.960E-04}	{ 1.650E-03}
07/14/1997		5.410E-04	7.700E-03
	{	4.190E-04}	{ 1.500E-03}
07/22/1997	<	4.570E-04	1.600E-02
	{	6.880E-04}	{ 3.270E-03}
08/04/1997	<	7.420E-05	1.280E-02
	{	4.550E-04}	{ 2.390E-03}
08/19/1997	<	4.380E-04	1.440E-02
	{	4.970E-04}	{ 2.530E-03}
09/02/1997		5.830E-04	1.410E-02
	{	5.220E-04}	{ 2.530E-03}
09/16/1997		8.040E-04	1.470E-02
	{	5.340E-04}	{ 2.600E-03}

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2252 200 W SE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/30/1997	<	4.630E-04	1.560E-02
		{ 5.490E-04}	{ 2.740E-03}
10/14/1997	<	1.260E-04	7.800E-03
		{ 3.390E-04}	{ 1.710E-03}
10/28/1997	<	6.270E-04	1.750E-02
		{ 7.800E-04}	{ 3.380E-03}
11/11/1997		5.500E-03	2.240E-02
		{ 1.260E-03}	{ 3.590E-03}
11/24/1997	<	7.020E-04	3.030E-02
		{ 7.340E-04}	{ 4.650E-03}
12/09/1997	<	3.200E-04	2.620E-02
		{ 6.770E-04}	{ 4.040E-03}
12/22/1997		7.080E-04	1.840E-02
		{ 6.200E-04}	{ 3.120E-03}
01/06/1998	<	1.640E-04	1.330E-02
		{ 3.970E-04}	{ 2.400E-03}
MEAN		6.581E-04	1.484E-02
MINIMUM	<	2.550E-05	6.460E-03
MAXIMUM		5.500E-03	3.040E-02
2STD. ERR		3.982E-04	2.685E-03

2253 200 W SE *

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
* - Analyzed as part of a composite sample only

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2250 200 WEST-200 W SE,200 W SE (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU-239/240 PCI/M3	SR-90 PCI/M3
04/04/1997		1.080E-01	< 8.210E-05	< -1.350E-04	2.790E-04	2.180E-02	nra	nra	nra
		{ 1.930E-02}	{ 2.610E-04}	{ 3.060E-04}	{ 2.600E-04}	{ 7.320E-03}			
07/14/1997		1.500E-01	4.050E-04	2.960E-04	< 5.510E-05	< 6.190E-03	nra	nra	nra
		{ 2.490E-02}	{ 3.140E-04}	{ 2.910E-04}	{ 2.490E-04}	{ 6.910E-03}			
09/30/1997		1.470E-01	< 3.240E-04	< -1.860E-05	< -3.430E-04	9.470E-03	nra	nra	nra
		{ 2.570E-02}	{ 4.230E-04}	{ 2.790E-04}	{ 3.370E-04}	{ 7.780E-03}			
01/06/1998		9.220E-02	< -8.230E-05	< -7.780E-05	< 4.880E-05	3.790E-02	< 2.330E-08	2.570E-06	< 5.390E-07
		{ 2.050E-02}	{ 4.570E-04}	{ 3.110E-04}	{ 2.910E-04}	{ 8.930E-03}	{ 1.920E-07}	{ 8.180E-07}	{ 7.720E-06}
MEAN		1.243E-01	1.822E-04	1.615E-05	9.975E-06	1.884E-02	2.330E-08	2.570E-06	5.390E-07
MINIMUM		9.220E-02	< -8.230E-05	< -1.350E-04	< -3.430E-04	< 6.190E-03	< 2.330E-08	2.570E-06	< 5.390E-07
MAXIMUM		1.500E-01	4.050E-04	2.960E-04	2.790E-04	3.790E-02	< 2.330E-08	2.570E-06	< 5.390E-07
2STD. ERR		2.870E-02	2.234E-04	1.925E-04	2.585E-04	1.437E-02	.000E+00	.000E+00	.000E+00

2250 200 WEST-200 W SE,200 W SE (PARTICULATE , FILTER1)

OFF DATE	COM	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3
04/04/1997		nra	nra	nra
07/14/1997		nra	nra	nra
09/30/1997		nra	nra	nra
01/06/1998		2.820E-05 { 5.050E-06}	< 5.470E-07 { 6.440E-07}	2.360E-05 { 4.500E-06}
MEAN		2.820E-05	5.470E-07	2.360E-05
MINIMUM		2.820E-05	< 5.470E-07	2.360E-05
MAXIMUM		2.820E-05	< 5.470E-07	2.360E-05
2STD. ERR		.000E+00	.000E+00	.000E+00

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
nra - Not routinely analyzed or analyzed on a less frequent basis

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2256 300 WATER INTAKE

OFF DATE	COM	BETA PCI/M3
01/15/1997	1	NR
01/29/1997	2	NR
02/18/1997		2.960E-02
		{ 3.260E-03}
02/26/1997		5.010E-03
		{ 1.690E-03}
03/11/1997		3.510E-03
		{ 1.100E-03}
03/25/1997		6.120E-03
		{ 1.220E-03}
04/09/1997		4.860E-03
		{ 1.090E-03}
04/23/1997		9.770E-03
		{ 1.530E-03}
05/07/1997		4.510E-03
		{ 1.050E-03}
05/21/1997		1.040E-02
		{ 1.680E-03}
06/04/1997		5.820E-03
		{ 1.510E-03}
06/23/1997		7.310E-03
		{ 1.530E-03}
07/02/1997		7.180E-03
		{ 1.980E-03}
07/17/1997		9.540E-03
		{ 1.910E-03}
07/30/1997		1.640E-02
		{ 2.860E-03}
08/13/1997		2.060E-02
		{ 3.310E-03}
08/27/1997		1.640E-02
		{ 2.860E-03}
09/10/1997		2.390E-02
		{ 3.750E-03}

2257 300 SOUTH GATE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/15/1997		< 1.940E-04	1.130E-02
		{ 2.830E-04}	{ 2.200E-03}
01/29/1997	3	NR	NR
02/18/1997		5.300E-04	1.880E-02
		{ 2.570E-04}	{ 2.200E-03}
02/26/1997		< 9.590E-05	8.040E-03
		{ 3.250E-04}	{ 1.890E-03}
03/11/1997		< -7.170E-05	3.850E-03
		{ 1.250E-04}	{ 1.170E-03}
03/25/1997		< 8.080E-05	6.210E-03
		{ 2.040E-04}	{ 1.330E-03}
04/09/1997		2.700E-04	5.610E-03
		{ 2.560E-04}	{ 1.230E-03}
04/23/1997		5.000E-04	1.060E-02
		{ 2.710E-04}	{ 1.690E-03}
05/07/1997		< 1.110E-04	5.090E-03
		{ 2.340E-04}	{ 1.170E-03}
05/21/1997		< 2.890E-05	1.000E-02
		{ 2.840E-04}	{ 1.640E-03}
06/04/1997		9.330E-04	6.140E-03
		{ 5.640E-04}	{ 1.510E-03}
06/23/1997		< 1.440E-04	5.840E-03
		{ 3.860E-04}	{ 1.420E-03}
07/02/1997		< 3.510E-04	6.960E-03
		{ 5.900E-04}	{ 1.950E-03}
07/17/1997		4.800E-04	1.110E-02
		{ 4.770E-04}	{ 2.180E-03}
07/30/1997		< 3.790E-04	1.830E-02
		{ 5.430E-04}	{ 3.120E-03}
08/13/1997		6.680E-04	1.680E-02
		{ 5.100E-04}	{ 2.800E-03}
08/27/1997		< 4.630E-04	1.800E-02
		{ 5.310E-04}	{ 3.070E-03}
09/10/1997		6.930E-04	2.320E-02
		{ 6.100E-04}	{ 3.660E-03}

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2256 300 WATER INTAKE

OFF DATE	COM	BETA PCI/M3
09/24/1997		2.240E-02
		{ 3.650E-03}
10/08/1997		1.570E-02
		{ 2.720E-03}
10/21/1997		2.040E-02
		{ 3.350E-03}
11/05/1997		1.890E-02
		{ 3.060E-03}
11/19/1997		4.300E-02
		{ 6.220E-03}
12/03/1997		1.490E-02
		{ 2.600E-03}
12/16/1997		4.280E-02
		{ 6.250E-03}
12/30/1997		1.710E-02
		{ 2.880E-03}
MEAN		1.567E-02
MINIMUM		3.510E-03
MAXIMUM		4.300E-02
2STD. ERR		4.492E-03

2257 300 SOUTH GATE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/24/1997		< 4.600E-04	2.010E-02
		{ 5.280E-04}	{ 3.230E-03}
10/08/1997		5.760E-04	1.630E-02
		{ 5.660E-04}	{ 2.810E-03}
10/21/1997		1.130E-03	2.150E-02
		{ 7.380E-04}	{ 3.560E-03}
11/05/1997		< 4.870E-04	1.950E-02
		{ 5.720E-04}	{ 3.140E-03}
11/19/1997		< 8.580E-04	4.390E-02
		{ 1.050E-03}	{ 6.380E-03}
12/03/1997		5.910E-04	1.350E-02
		{ 5.120E-04}	{ 2.420E-03}
12/16/1997		1.770E-03	3.910E-02
		{ 1.040E-03}	{ 5.750E-03}
12/30/1997		7.060E-04	1.610E-02
		{ 5.510E-04}	{ 2.740E-03}
MEAN		4.971E-04	1.503E-02
MINIMUM		< -7.170E-05	3.850E-03
MAXIMUM		1.770E-03	4.390E-02
2STD. ERR		1.592E-04	3.959E-03

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE. POWER OUTAGE, SAVE FOR COMPOSITE. ANALYTICAL LAB DID NOT INCLUDE THIS SAMPLE IN THE QUARTERLY COMPOSITE.
2 NO SAMPLE. POWER OUTAGE.
3 NO SAMPLE. LOW EXPOSURE HOURS SAVE FOR COMPOSITE.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2254 300 AREA-300 WATER INTAKE,300 SOUTH GATE (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU-239/240 PCI/M3	SR-90 PCI/M3
04/09/1997		7.130E-02	4.500E-04	< -2.860E-04	< 4.270E-05	1.920E-02	nra	nra	nra
		{ 1.520E-02}	{ 3.490E-04}	{ 2.900E-04}	{ 2.960E-04}	{ 6.870E-03}			
07/02/1997		9.750E-02	< -3.590E-04	< -7.200E-05	< -1.370E-04	< 2.140E-03	nra	nra	nra
		{ 2.000E-02}	{ 4.250E-04}	{ 2.540E-04}	{ 2.750E-04}	{ 6.990E-03}			
10/08/1997		2.000E-01	< 1.640E-04	< -6.200E-06	< -1.610E-04	< 4.570E-03	nra	nra	nra
		{ 2.930E-02}	{ 3.220E-04}	{ 2.820E-04}	{ 2.780E-04}	{ 6.840E-03}			
12/30/1997		8.870E-02	< -4.280E-04	< -2.330E-04	< 2.320E-04	< 3.950E-03	< -1.260E-07	< 2.660E-08	< 1.060E-06
		{ 1.860E-02}	{ 4.880E-04}	{ 3.110E-04}	{ 2.420E-04}	{ 6.100E-03}	{ 1.190E-07}	{ 2.150E-07}	{ 7.540E-06}
MEAN		1.144E-01	-4.325E-05	-1.493E-04	-5.825E-06	7.465E-03	-1.260E-07	2.660E-08	1.060E-06
MINIMUM		7.130E-02	< -4.280E-04	< -2.860E-04	< -1.610E-04	< 2.140E-03	< -1.260E-07	< 2.660E-08	< 1.060E-06
MAXIMUM		2.000E-01	4.500E-04	< -6.200E-06	< 2.320E-04	1.920E-02	< -1.260E-07	< 2.660E-08	< 1.060E-06
2STD. ERR		5.811E-02	4.219E-04	1.318E-04	1.828E-04	7.891E-03	.000E+00	.000E+00	.000E+00

2254 300 AREA-300 WATER INTAKE,300 SOUTH GATE (PARTICULATE , FILTER1)

OFF DATE	COM	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3
04/09/1997		nra	nra	nra
07/02/1997		nra	nra	nra
10/08/1997		nra	nra	nra
12/30/1997		2.080E-05	9.890E-07	1.750E-05
		{ 3.290E-06}	{ 6.200E-07}	{ 2.930E-06}
MEAN		2.080E-05	9.890E-07	1.750E-05
MINIMUM		2.080E-05	9.890E-07	1.750E-05
MAXIMUM		2.080E-05	9.890E-07	1.750E-05
2STD. ERR		.000E+00	.000E+00	.000E+00

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
nra - Not routinely analyzed or analyzed on a less frequent basis

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2261 300 NE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/15/1997		< 1.520E-04	1.240E-02
		{ 2.930E-04}	{ 2.290E-03}
01/29/1997		4.680E-04	2.100E-02
		{ 3.100E-04}	{ 2.600E-03}
02/18/1997		3.830E-04	1.640E-02
		{ 2.280E-04}	{ 2.130E-03}
02/26/1997		< 2.330E-04	6.100E-03
		{ 3.230E-04}	{ 1.740E-03}
03/11/1997		< -1.410E-04	3.580E-03
		{ 1.360E-04}	{ 1.120E-03}
03/25/1997		< 9.080E-06	6.560E-03
		{ 1.940E-04}	{ 1.280E-03}
04/09/1997		4.520E-04	5.580E-03
		{ 2.790E-04}	{ 1.160E-03}
04/23/1997		4.120E-04	1.020E-02
		{ 2.810E-04}	{ 1.630E-03}
05/07/1997		3.190E-04	5.700E-03
		{ 2.530E-04}	{ 1.220E-03}
05/21/1997		< 5.330E-05	1.160E-02
		{ 2.560E-04}	{ 1.760E-03}
06/04/1997		< 4.290E-04	6.990E-03
		{ 5.100E-04}	{ 1.640E-03}
06/23/1997		4.870E-04	6.830E-03
		{ 4.290E-04}	{ 1.470E-03}
07/02/1997		< 3.490E-04	8.260E-03
		{ 6.180E-04}	{ 2.130E-03}
07/17/1997		4.350E-04	9.910E-03
		{ 4.090E-04}	{ 1.960E-03}
07/30/1997		< 2.150E-04	1.760E-02
		{ 5.610E-04}	{ 3.040E-03}
08/13/1997		1.570E-03	1.830E-02
		{ 6.950E-04}	{ 2.970E-03}
08/27/1997		6.390E-04	1.700E-02
		{ 6.010E-04}	{ 2.940E-03}
09/10/1997		7.060E-04	2.070E-02
		{ 6.420E-04}	{ 3.360E-03}

2261 300 NE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/24/1997		7.720E-04	1.920E-02
		{ 6.300E-04}	{ 3.160E-03}
10/08/1997	<	3.940E-04	1.560E-02
		{ 5.090E-04}	{ 2.690E-03}
10/21/1997		8.630E-04	2.090E-02
		{ 6.140E-04}	{ 3.430E-03}
11/03/1997	<	4.230E-04	1.950E-02
		{ 6.030E-04}	{ 3.240E-03}
11/19/1997		1.650E-03	4.320E-02
		{ 9.430E-04}	{ 6.170E-03}
12/03/1997		8.050E-04	1.420E-02
		{ 5.150E-04}	{ 2.510E-03}
12/16/1997		1.300E-03	4.250E-02
		{ 9.470E-04}	{ 6.220E-03}
12/30/1997	<	4.620E-04	1.640E-02
		{ 4.790E-04}	{ 2.770E-03}
MEAN		5.323E-04	1.524E-02
MINIMUM	<	-1.410E-04	3.580E-03
MAXIMUM		1.650E-03	4.320E-02
2STD. ERR		1.696E-04	3.857E-03

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

3094 300 NE-300 NE (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3
04/09/1997		7.020E-02	< -1.080E-04	< -5.200E-04	< -7.940E-05	< 4.310E-03	nra	nra	nra
		{ 2.160E-02}	{ 4.810E-04}	{ 5.610E-04}	{ 4.760E-04}	{ 1.400E-02}			
06/23/1997		9.670E-02	< -5.790E-04	< 8.030E-05	< -4.090E-04	5.640E-02	nra	nra	nra
		{ 4.170E-02}	{ 8.980E-04}	{ 5.950E-04}	{ 6.410E-04}	{ 1.570E-02}			
10/08/1997		1.700E-01	< 2.640E-04	< 8.060E-05	< .000E+00	1.950E-02	nra	nra	nra
		{ 3.530E-02}	{ 4.370E-04}	{ 4.970E-04}	{ 4.480E-04}	{ 9.510E-03}			
12/30/1997		1.110E-01	6.850E-04	< 3.160E-04	< 3.610E-04	3.460E-02	5.940E-05	< 2.640E-06	5.830E-05
		{ 2.650E-02}	{ 6.460E-04}	{ 5.360E-04}	{ 5.590E-04}	{ 1.320E-02}	{ 1.420E-05}	{ 2.670E-06}	{ 1.410E-05}
MEAN		1.120E-01	6.550E-05	-1.078E-05	-3.185E-05	2.870E-02	5.940E-05	2.640E-06	5.830E-05
MINIMUM		7.020E-02	< -5.790E-04	< -5.200E-04	< -4.090E-04	< 4.310E-03	5.940E-05	< 2.640E-06	5.830E-05
MAXIMUM		1.700E-01	6.850E-04	< 3.160E-04	< 3.610E-04	5.640E-02	5.940E-05	< 2.640E-06	5.830E-05
2STD. ERR		4.222E-02	5.381E-04	3.572E-04	3.161E-04	2.222E-02	.000E+00	.000E+00	.000E+00

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
nra - Not routinely analyzed or analyzed on a less frequent basis

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2260 300 TRENCH

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/15/1997		3.850E-04	9.370E-03
		{ 3.610E-04}	{ 1.970E-03}
01/29/1997		6.000E-04	2.170E-02
		{ 3.140E-04}	{ 2.670E-03}
02/18/1997		5.880E-04	1.690E-02
		{ 2.920E-04}	{ 2.050E-03}
02/26/1997	1	NR	NR
03/11/1997		< 2.070E-04	3.140E-03
		{ 2.230E-04}	{ 1.060E-03}
03/25/1997		< 1.410E-04	5.880E-03
		{ 1.990E-04}	{ 1.190E-03}
04/09/1997		2.810E-04	6.000E-03
		{ 1.980E-04}	{ 1.050E-03}
04/23/1997		4.530E-04	8.120E-03
		{ 2.710E-04}	{ 1.400E-03}
05/07/1997		3.910E-04	5.350E-03
		{ 2.620E-04}	{ 1.130E-03}
05/21/1997		< 2.170E-04	9.000E-03
		{ 2.370E-04}	{ 1.500E-03}
06/04/1997		< -2.100E-05	5.480E-03
		{ 3.880E-04}	{ 1.390E-03}
06/23/1997		< 1.640E-04	7.440E-03
		{ 3.810E-04}	{ 1.520E-03}
07/02/1997		< 2.960E-04	7.750E-03
		{ 6.000E-04}	{ 2.070E-03}
07/17/1997		< 2.120E-04	1.020E-02
		{ 4.220E-04}	{ 2.010E-03}
07/30/1997		< 1.560E-04	1.890E-02
		{ 5.220E-04}	{ 3.180E-03}
08/13/1997		< 3.750E-04	1.940E-02
		{ 5.090E-04}	{ 3.180E-03}
08/27/1997		< 5.060E-04	1.630E-02
		{ 5.110E-04}	{ 2.840E-03}
09/10/1997		< 3.080E-04	2.130E-02
		{ 5.250E-04}	{ 3.420E-03}

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2260 300 TRENCH

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/24/1997		6.440E-04	1.810E-02
		{ 5.240E-04}	{ 2.970E-03}
10/08/1997		7.080E-04	1.960E-02
		{ 5.800E-04}	{ 3.240E-03}
10/21/1997		6.890E-04	2.040E-02
		{ 6.650E-04}	{ 3.400E-03}
11/03/1997		9.130E-04	1.600E-02
		{ 5.510E-04}	{ 2.730E-03}
11/19/1997		1.260E-03	3.720E-02
		{ 9.240E-04}	{ 5.360E-03}
12/03/1997		4.690E-04	1.130E-02
		{ 4.620E-04}	{ 2.120E-03}
12/16/1997		1.500E-03	3.560E-02
		{ 9.670E-04}	{ 5.280E-03}
12/30/1997		< 3.230E-04	1.340E-02
		{ 4.620E-04}	{ 2.370E-03}
MEAN		4.706E-04	1.455E-02
MINIMUM		< -2.100E-05	3.140E-03
MAXIMUM		1.500E-03	3.720E-02
2STD. ERR		1.397E-04	3.512E-03

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE. NEW PUMP INSTALLED.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

3093 300 TRENCH-300 TRENCH (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3
04/09/1997		7.490E-02	< -3.830E-04	< -6.920E-04	< 2.190E-04	3.660E-02	nra	nra	nra
		{ 2.470E-02}	{ 7.250E-04}	{ 5.790E-04}	{ 4.560E-04}	{ 1.230E-02}			
06/23/1997		1.170E-01	6.540E-04	< 2.000E-04	< 2.370E-04	3.370E-02	nra	nra	nra
		{ 3.470E-02}	{ 6.220E-04}	{ 6.010E-04}	{ 5.410E-04}	{ 1.280E-02}			
10/08/1997		1.570E-01	< 5.270E-04	< 9.110E-05	< -6.000E-06	< 7.090E-04	nra	nra	nra
		{ 3.390E-02}	{ 6.180E-04}	{ 4.420E-04}	{ 4.820E-04}	{ 9.890E-03}			
12/30/1997		1.020E-01	< .000E+00	< -1.910E-04	< 5.300E-05	7.400E-02	4.600E-05	< 1.370E-06	3.830E-05
		{ 2.320E-02}	{ 5.310E-04}	{ 6.200E-04}	{ 5.430E-04}	{ 1.620E-02}	{ 9.030E-06}	{ 1.510E-06}	{ 8.060E-06}
MEAN		1.127E-01	1.995E-04	-1.480E-04	1.258E-04	3.625E-02	4.600E-05	1.370E-06	3.830E-05
MINIMUM		7.490E-02	< -3.830E-04	< -6.920E-04	< -6.000E-06	< 7.090E-04	4.600E-05	< 1.370E-06	3.830E-05
MAXIMUM		1.570E-01	6.540E-04	< 2.000E-04	< 2.370E-04	7.400E-02	4.600E-05	< 1.370E-06	3.830E-05
2STD. ERR		3.427E-02	4.806E-04	3.984E-04	1.207E-04	2.997E-02	.000E+00	.000E+00	.000E+00

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
nra - Not routinely analyzed or analyzed on a less frequent basis

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

3064 300 NE-300 TRENCH,300 NE (PARTICULATE , FILTER1)

OFF DATE	COM	PU-238 PCI/M3	PU-239/240 PCI/M3	SR-90 PCI/M3
12/30/1997		< 1.460E-07 { 2.640E-07}	1.230E-06 { 6.220E-07}	< -3.950E-06 { 7.450E-06}

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2264 400 E

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/14/1997		3.920E-04	9.540E-03
		(2.680E-04)	(1.580E-03)
01/28/1997		7.580E-04	2.470E-02
		(3.730E-04)	(3.100E-03)
02/11/1997		6.350E-04	2.580E-02
		(3.120E-04)	(2.990E-03)
02/25/1997		< 5.170E-05	6.750E-03
		(1.930E-04)	(1.290E-03)
03/11/1997		< 1.300E-04	4.670E-03
		(2.240E-04)	(1.210E-03)
03/24/1997		2.880E-04	6.400E-03
		(2.700E-04)	(1.320E-03)
04/08/1997		< -9.070E-05	5.980E-03
		(1.280E-04)	(1.210E-03)
04/22/1997		2.860E-04	1.790E-02
		(2.200E-04)	(2.310E-03)
05/06/1997		3.840E-04	5.270E-03
		(2.680E-04)	(1.160E-03)
05/20/1997		5.140E-04	1.130E-02
		(3.170E-04)	(1.850E-03)
06/03/1997		< 1.100E-04	5.750E-03
		(3.970E-04)	(1.390E-03)
06/17/1997		< -1.060E-04	8.390E-03
		(5.500E-04)	(2.050E-03)
07/01/1997		< 3.160E-04	7.390E-03
		(4.240E-04)	(1.570E-03)
07/16/1997		5.770E-04	9.830E-03
		(3.710E-04)	(1.770E-03)
07/29/1997		< 3.410E-04	1.680E-02
		(5.290E-04)	(2.930E-03)
08/12/1997		9.050E-04	1.860E-02
		(5.820E-04)	(3.080E-03)
08/26/1997		6.240E-04	1.520E-02
		(4.880E-04)	(2.600E-03)
09/09/1997		1.100E-03	1.960E-02
		(6.200E-04)	(3.200E-03)

2265 400 W

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/14/1997		5.990E-04	2.440E-02
		(2.170E-04)	(2.530E-03)
01/28/1997		1.180E-03	2.400E-02
		(4.410E-04)	(2.870E-03)
02/11/1997		3.840E-04	2.070E-02
		(2.720E-04)	(2.560E-03)
02/25/1997		< 1.070E-04	6.560E-03
		(1.930E-04)	(1.230E-03)
03/11/1997		3.260E-04	3.580E-03
		(2.510E-04)	(1.110E-03)
03/24/1997		2.480E-04	5.990E-03
		(2.320E-04)	(1.270E-03)
04/08/1997		3.930E-04	4.330E-03
		(2.890E-04)	(1.090E-03)
04/22/1997		3.930E-04	2.010E-02
		(2.680E-04)	(2.480E-03)
05/06/1997		2.510E-04	5.370E-03
		(2.470E-04)	(1.200E-03)
05/20/1997		< 1.830E-04	1.110E-02
		(2.430E-04)	(1.770E-03)
06/03/1997		< 2.470E-04	6.660E-03
		(4.440E-04)	(1.520E-03)
06/17/1997		< -5.430E-05	8.260E-03
		(5.560E-04)	(2.040E-03)
07/01/1997		< 3.790E-04	6.660E-03
		(4.380E-04)	(1.520E-03)
07/16/1997		5.440E-04	9.100E-03
		(3.530E-04)	(1.660E-03)
07/29/1997		< 5.590E-04	1.690E-02
		(5.860E-04)	(2.910E-03)
08/12/1997		7.750E-04	1.880E-02
		(5.650E-04)	(3.090E-03)
08/26/1997		6.860E-04	1.710E-02
		(5.440E-04)	(2.930E-03)
09/09/1997		1.010E-03	2.060E-02
		(6.720E-04)	(3.320E-03)

2266 400 S

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/14/1997		3.330E-04	1.060E-02
		(2.530E-04)	(1.670E-03)
01/28/1997		5.980E-04	2.430E-02
		(3.300E-04)	(3.050E-03)
02/11/1997		< 2.440E-04	1.990E-02
		(2.650E-04)	(2.590E-03)
02/25/1997		2.950E-04	7.020E-03
		(2.420E-04)	(1.320E-03)
03/11/1997		< 1.440E-04	4.070E-03
		(2.270E-04)	(1.210E-03)
03/24/1997		< 1.780E-04	6.760E-03
		(2.180E-04)	(1.310E-03)
04/08/1997		< 1.820E-04	5.360E-03
		(2.360E-04)	(1.230E-03)
04/22/1997		4.550E-04	2.080E-02
		(2.700E-04)	(2.500E-03)
05/06/1997		3.750E-04	5.580E-03
		(2.920E-04)	(1.300E-03)
05/20/1997		3.590E-04	1.050E-02
		(2.800E-04)	(1.740E-03)
06/03/1997		< 2.240E-04	6.250E-03
		(4.420E-04)	(1.490E-03)
06/17/1997		< 3.850E-05	9.390E-03
		(5.920E-04)	(2.180E-03)
07/01/1997		< 3.690E-04	6.610E-03
		(4.280E-04)	(1.500E-03)
07/16/1997		7.540E-04	9.160E-03
		(3.970E-04)	(1.700E-03)
07/29/1997		1.070E-03	1.710E-02
		(6.420E-04)	(3.000E-03)
08/12/1997		7.020E-04	1.940E-02
		(5.620E-04)	(3.170E-03)
08/26/1997		8.150E-04	1.780E-02
		(5.720E-04)	(3.020E-03)
09/09/1997		1.250E-03	2.150E-02
		(6.600E-04)	(3.440E-03)

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2264 400 E

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/23/1997		7.710E-04	2.050E-02
		{ 6.120E-04}	{ 3.390E-03}
10/07/1997	<	2.230E-04	1.980E-02
		{ 5.470E-04}	{ 3.170E-03}
10/21/1997		1.280E-03	2.180E-02
		{ 6.490E-04}	{ 3.440E-03}
11/03/1997	<	4.030E-04	1.980E-02
		{ 5.440E-04}	{ 3.310E-03}
11/18/1997		1.070E-03	4.460E-02
		{ 9.380E-04}	{ 6.380E-03}
12/02/1997	<	3.470E-04	1.190E-02
		{ 4.430E-04}	{ 2.180E-03}
12/15/1997		1.520E-03	4.110E-02
		{ 9.640E-04}	{ 6.040E-03}
12/30/1997		8.880E-04	1.510E-02
		{ 5.590E-04}	{ 2.560E-03}
MEAN		5.276E-04	1.594E-02
MINIMUM	<	-1.060E-04	4.670E-03
MAXIMUM		1.520E-03	4.460E-02
2STD. ERR		1.626E-04	4.004E-03

2265 400 W

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/23/1997		5.800E-04	1.940E-02
		{ 5.540E-04}	{ 3.190E-03}
10/07/1997		1.110E-03	1.990E-02
		{ 6.670E-04}	{ 3.210E-03}
10/21/1997	<	4.230E-04	2.100E-02
		{ 5.540E-04}	{ 3.420E-03}
11/03/1997		7.390E-04	1.760E-02
		{ 5.530E-04}	{ 2.970E-03}
11/18/1997	<	7.580E-04	4.210E-02
		{ 8.800E-04}	{ 6.070E-03}
12/02/1997		5.440E-04	1.360E-02
		{ 4.990E-04}	{ 2.400E-03}
12/15/1997		1.890E-03	4.660E-02
		{ 1.070E-03}	{ 6.720E-03}
12/30/1997	<	4.910E-04	1.930E-02
		{ 5.130E-04}	{ 3.100E-03}
MEAN		5.671E-04	1.653E-02
MINIMUM	<	-5.430E-05	3.580E-03
MAXIMUM		1.890E-03	4.660E-02
2STD. ERR		1.570E-04	4.140E-03

2266 400 S

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/23/1997		8.370E-04	1.810E-02
		{ 5.830E-04}	{ 3.050E-03}
10/07/1997		1.070E-03	1.940E-02
		{ 6.200E-04}	{ 3.190E-03}
10/21/1997		1.070E-03	2.010E-02
		{ 6.430E-04}	{ 3.340E-03}
11/03/1997	<	2.760E-04	1.820E-02
		{ 4.900E-04}	{ 3.060E-03}
11/18/1997		1.560E-03	4.400E-02
		{ 9.710E-04}	{ 6.300E-03}
12/02/1997		8.310E-04	1.260E-02
		{ 5.340E-04}	{ 2.290E-03}
12/15/1997		1.000E-03	4.380E-02
		{ 9.440E-04}	{ 6.360E-03}
12/30/1997		7.370E-04	1.660E-02
		{ 5.140E-04}	{ 2.770E-03}
MEAN		6.064E-04	1.596E-02
MINIMUM	<	3.850E-05	4.070E-03
MAXIMUM		1.560E-03	4.400E-02
2STD. ERR		1.563E-04	4.018E-03

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2267 400 N

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/14/1997		3.330E-04	1.240E-02
		(2.530E-04)	(1.890E-03)
01/28/1997		4.840E-04	2.130E-02
		(3.210E-04)	(2.790E-03)
02/11/1997		2.450E-04	2.170E-02
		(2.370E-04)	(2.640E-03)
02/25/1997	<	1.690E-04	6.700E-03
		(2.160E-04)	(1.310E-03)
03/11/1997	<	2.110E-05	2.980E-03
		(1.920E-04)	(1.040E-03)
03/24/1997	<	1.680E-04	7.360E-03
		(2.260E-04)	(1.430E-03)
04/08/1997		3.060E-04	4.940E-03
		(2.680E-04)	(1.160E-03)
04/22/1997		2.590E-04	1.990E-02
		(2.350E-04)	(2.460E-03)
05/06/1997		2.980E-04	6.650E-03
		(2.660E-04)	(1.310E-03)
05/20/1997	<	1.260E-04	9.940E-03
		(2.120E-04)	(1.630E-03)
06/03/1997	<	3.080E-04	6.260E-03
		(4.380E-04)	(1.450E-03)
06/17/1997		9.490E-04	8.720E-03
		(7.290E-04)	(2.100E-03)
07/01/1997	<	4.340E-04	6.830E-03
		(4.420E-04)	(1.520E-03)
07/16/1997		4.920E-04	8.680E-03
		(3.750E-04)	(1.610E-03)
07/29/1997		7.800E-04	1.740E-02
		(5.970E-04)	(3.020E-03)
08/12/1997		7.160E-04	1.960E-02
		(6.180E-04)	(3.210E-03)
08/26/1997	<	4.670E-04	1.690E-02
		(5.470E-04)	(2.860E-03)
09/09/1997		7.040E-04	2.170E-02
		(5.900E-04)	(3.470E-03)

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2267 400 N

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/23/1997		7.990E-04	2.010E-02
		(6.400E-04)	(3.290E-03)
10/07/1997		6.200E-04	2.070E-02
		(5.450E-04)	(3.290E-03)
10/21/1997	<	4.980E-04	2.040E-02
		(6.180E-04)	(3.350E-03)
11/03/1997		7.130E-04	1.890E-02
		(6.060E-04)	(3.090E-03)
11/18/1997		1.600E-03	4.010E-02
		(1.010E-03)	(5.790E-03)
12/02/1997	<	3.260E-04	1.380E-02
		(4.390E-04)	(2.480E-03)
12/15/1997		1.780E-03	4.100E-02
		(1.070E-03)	(5.980E-03)
12/30/1997	<	3.060E-04	1.500E-02
		(4.750E-04)	(2.580E-03)
MEAN		5.347E-04	1.577E-02
MINIMUM	<	2.110E-05	2.980E-03
MAXIMUM		1.780E-03	4.100E-02
2STD. ERR		1.620E-04	3.743E-03

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2262 400 AREA-400 E,400 W,400 S,400 N (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU-239/240 PCI/M3	SR-90 PCI/M3
04/08/1997		6.440E-02	< 5.880E-05	< 7.070E-06	< 5.990E-05	5.280E-03	nra	nra	nra
		{ 9.880E-03}	{ 1.800E-04}	{ 1.350E-04}	{ 1.430E-04}	{ 3.650E-03}			
07/01/1997		6.580E-02	< -1.130E-05	< -5.510E-05	2.000E-04	< 2.040E-03	nra	nra	nra
		{ 1.400E-02}	{ 2.050E-04}	{ 1.840E-04}	{ 1.530E-04}	{ 4.250E-03}			
10/07/1997		1.010E-01	< -1.900E-04	< -8.130E-05	< 5.520E-05	7.180E-03	nra	nra	nra
		{ 1.570E-02}	{ 1.990E-04}	{ 1.390E-04}	{ 1.300E-04}	{ 2.610E-03}			
12/30/1997		1.020E-01	< -5.290E-05	< -3.260E-05	< 1.150E-04	< 2.530E-03	< -3.620E-08	1.600E-07	< 1.460E-06
		{ 1.560E-02}	{ 1.820E-04}	{ 1.750E-04}	{ 1.760E-04}	{ 4.790E-03}	{ 3.400E-08}	{ 1.260E-07}	{ 2.630E-06}
MEAN		8.330E-02	-4.885E-05	-4.048E-05	1.075E-04	4.258E-03	-3.620E-08	1.600E-07	1.460E-06
MINIMUM		6.440E-02	< -1.900E-04	< -8.130E-05	< 5.520E-05	< 2.040E-03	< -3.620E-08	1.600E-07	< 1.460E-06
MAXIMUM		1.020E-01	< 5.880E-05	< 7.070E-06	2.000E-04	7.180E-03	< -3.620E-08	1.600E-07	< 1.460E-06
2STD. ERR		2.103E-02	1.048E-04	3.743E-05	6.736E-05	2.414E-03	.000E+00	.000E+00	.000E+00

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
nra - Not routinely analyzed or analyzed on a less frequent basis

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2270 WYE BARRICADE

2271 WYE BARRICADE *

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/14/1997		3.800E-04	1.160E-02
		{ 2.700E-04}	{ 1.770E-03}
01/28/1997		7.070E-04	2.010E-02
		{ 3.490E-04}	{ 2.570E-03}
02/11/1997	<	2.320E-04	2.350E-02
		{ 2.470E-04}	{ 2.850E-03}
02/25/1997	<	2.020E-04	5.830E-03
		{ 2.130E-04}	{ 1.260E-03}
03/11/1997	<	1.230E-04	3.810E-03
		{ 2.120E-04}	{ 1.080E-03}
03/24/1997	<	1.100E-04	5.910E-03
		{ 2.340E-04}	{ 1.320E-03}
04/08/1997	<	2.280E-04	5.280E-03
		{ 2.300E-04}	{ 1.170E-03}
04/22/1997		4.230E-04	2.030E-02
		{ 2.750E-04}	{ 2.550E-03}
05/06/1997	<	5.130E-05	5.630E-03
		{ 2.180E-04}	{ 1.230E-03}
05/16/1997		5.570E-04	1.170E-02
		{ 3.900E-04}	{ 2.030E-03}
06/03/1997		7.810E-04	1.150E-02
		{ 5.940E-04}	{ 2.130E-03}
06/17/1997	<	1.110E-04	8.950E-03
		{ 5.320E-04}	{ 1.970E-03}
07/01/1997	<	1.660E-04	3.820E-03
		{ 2.910E-04}	{ 9.990E-04}
07/16/1997		4.760E-04	8.160E-03
		{ 4.070E-04}	{ 1.710E-03}
07/29/1997		7.640E-04	1.090E-02
		{ 5.160E-04}	{ 2.160E-03}
08/12/1997		7.630E-04	1.380E-02
		{ 5.030E-04}	{ 2.460E-03}
08/26/1997		4.740E-04	1.200E-02
		{ 4.360E-04}	{ 2.230E-03}
09/09/1997		9.110E-04	1.390E-02
		{ 5.260E-04}	{ 2.460E-03}

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2270 WYE BARRICADE

2271 WYE BARRICADE *

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/23/1997	<	4.830E-04	1.480E-02
		{ 4.850E-04}	{ 2.620E-03}
10/07/1997		5.090E-04	1.590E-02
		{ 5.020E-04}	{ 2.760E-03}
10/21/1997		1.320E-03	1.600E-02
		{ 6.200E-04}	{ 2.780E-03}
11/03/1997		8.610E-04	1.470E-02
		{ 6.030E-04}	{ 2.670E-03}
11/18/1997		1.240E-03	3.100E-02
		{ 7.620E-04}	{ 4.650E-03}
12/02/1997		8.010E-04	1.190E-02
		{ 5.150E-04}	{ 2.240E-03}
12/15/1997		1.140E-03	3.700E-02
		{ 8.630E-04}	{ 5.520E-03}
12/30/1997		4.740E-04	1.300E-02
		{ 4.380E-04}	{ 2.330E-03}
MEAN		5.495E-04	1.350E-02
MINIMUM	<	5.130E-05	3.810E-03
MAXIMUM		1.320E-03	3.700E-02
2STD. ERR		1.411E-04	3.107E-03

< - Result less than 2 sigma Total Propagated Analytical Uncertainty which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
* - Analyzed as part of a composite sample only

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2268 WYE BARRICADE-WYE BARRICADE,WYE BARRICADE (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU-239/240 PCI/M3	SR-90 PCI/M3
04/08/1997		8.450E-02	< 7.110E-05	< -2.080E-05	< -1.890E-04	< 3.730E-03	nra	nra	nra
		{ 1.770E-02}	{ 4.020E-04}	{ 3.260E-04}	{ 2.310E-04}	{ 7.620E-03}			
07/01/1997		1.060E-01	2.970E-04	< -3.690E-04	< -4.640E-05	1.530E-02	nra	nra	nra
		{ 2.050E-02}	{ 2.830E-04}	{ 3.010E-04}	{ 3.030E-04}	{ 6.190E-03}			
10/07/1997		1.540E-01	< 1.800E-05	< 7.600E-05	< -1.450E-04	1.050E-02	nra	nra	nra
		{ 2.680E-02}	{ 4.290E-04}	{ 3.140E-04}	{ 3.190E-04}	{ 8.270E-03}			
12/30/1997		7.570E-02	< -2.850E-04	< 2.390E-05	< 1.050E-04	6.430E-03	< 1.240E-07	< 1.960E-07	< -3.310E-06
		{ 1.510E-02}	{ 5.090E-04}	{ 2.620E-04}	{ 2.270E-04}	{ 5.560E-03}	{ 2.770E-07}	{ 2.610E-07}	{ 6.890E-06}
MEAN		1.051E-01	2.528E-05	-7.248E-05	-6.885E-05	8.990E-03	1.240E-07	1.960E-07	-3.310E-06
MINIMUM		7.570E-02	< -2.850E-04	< -3.690E-04	< -1.890E-04	< 3.730E-03	< 1.240E-07	< 1.960E-07	< -3.310E-06
MAXIMUM		1.540E-01	2.970E-04	< 7.600E-05	< 1.050E-04	1.530E-02	< 1.240E-07	< 1.960E-07	< -3.310E-06
2STD. ERR		3.503E-02	2.396E-04	2.016E-04	1.303E-04	5.044E-03	.000E+00	.000E+00	.000E+00

2268 WYE BARRICADE-WYE BARRICADE,WYE BARRICADE (PARTICULATE , FILTER1)

OFF DATE	COM	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3
04/08/1997		nra	nra	nra
07/01/1997		nra	nra	nra
10/07/1997		nra	nra	nra
12/30/1997		2.010E-05	6.650E-07	2.140E-05
		{ 3.750E-06}	{ 6.350E-07}	{ 3.920E-06}
MEAN		2.010E-05	6.650E-07	2.140E-05
MINIMUM		2.010E-05	6.650E-07	2.140E-05
MAXIMUM		2.010E-05	6.650E-07	2.140E-05
2STD. ERR		.000E+00	.000E+00	.000E+00

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty
nra - Not routinely analyzed or analyzed on a less frequent basis

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2283 RINGOLD MET TOWER

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/23/1997		4.830E-04	2.270E-02
		(3.090E-04)	(2.900E-03)
02/06/1997		5.330E-04	1.510E-02
		(2.990E-04)	(2.120E-03)
02/21/1997		3.190E-04	1.680E-02
		(2.070E-04)	(2.110E-03)
03/06/1997		4.050E-04	6.360E-03
		(3.040E-04)	(1.400E-03)
03/20/1997		3.850E-04	5.440E-03
		(2.230E-04)	(1.030E-03)
04/03/1997		4.270E-04	5.130E-03
		(2.730E-04)	(1.120E-03)
04/17/1997		4.230E-04	1.030E-02
		(2.990E-04)	(1.720E-03)
05/01/1997		5.600E-04	5.360E-03
		(2.820E-04)	(1.060E-03)
05/15/1997		2.890E-04	8.610E-03
		(2.490E-04)	(1.570E-03)
05/29/1997	<	3.260E-04	7.930E-03
		(4.690E-04)	(1.630E-03)
06/12/1997	<	2.140E-04	6.040E-03
		(4.060E-04)	(1.390E-03)
06/26/1997	<	2.130E-04	6.880E-03
		(4.900E-04)	(1.760E-03)
07/15/1997		1.710E-03	1.200E-02
		(6.480E-04)	(2.110E-03)
07/24/1997	<	6.330E-04	1.670E-02
		(6.870E-04)	(3.220E-03)
08/07/1997	<	3.450E-04	2.030E-02
		(5.980E-04)	(3.300E-03)
08/21/1997		6.720E-04	1.740E-02
		(5.700E-04)	(2.890E-03)
09/04/1997		7.360E-04	1.960E-02
		(6.220E-04)	(3.190E-03)
09/18/1997	<	4.250E-04	1.630E-02
		(5.440E-04)	(2.790E-03)

2283 RINGOLD MET TOWER

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
10/02/1997	<	2.600E-04	1.830E-03
		{ 2.920E-04}	{ 9.410E-04}
10/16/1997		1.020E-03	3.410E-02
		{ 8.020E-04}	{ 5.100E-03}
10/30/1997		9.660E-04	2.310E-02
		{ 9.350E-04}	{ 4.110E-03}
11/13/1997	<	3.200E-06	4.740E-03
		{ 2.480E-04}	{ 1.270E-03}
11/26/1997		8.690E-04	3.210E-02
		{ 8.520E-04}	{ 4.870E-03}
12/11/1997		1.070E-03	2.880E-02
		{ 7.980E-04}	{ 4.350E-03}
12/26/1997		6.530E-04	2.100E-02
		{ 6.260E-04}	{ 3.380E-03}
01/08/1998		7.600E-04	1.090E-02
		{ 5.170E-04}	{ 2.140E-03}
MEAN		5.654E-04	1.444E-02
MINIMUM	<	3.200E-06	1.830E-03
MAXIMUM		1.710E-03	3.410E-02
2STD. ERR		1.390E-04	3.494E-03

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2274 RINGOLD MET TOWER-RINGOLD MET TOWER (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU-239/240 PCI/M3	SR-90 PCI/M3
04/03/1997		4.450E-02	< 3.660E-04	< -1.000E-04	3.610E-04	1.790E-02	nra	nra	nra
		{ 2.050E-02}	{ 5.080E-04}	{ 4.290E-04}	{ 3.210E-04}	{ 1.060E-02}			
07/15/1997		1.370E-01	< 2.980E-04	4.490E-04	< -5.010E-04	< 9.780E-03	nra	nra	nra
		{ 2.820E-02}	{ 4.480E-04}	{ 3.610E-04}	{ 4.240E-04}	{ 1.230E-02}			
10/02/1997		1.620E-01	< 2.820E-05	5.270E-04	< 2.990E-04	< 6.940E-03	nra	nra	nra
		{ 3.520E-02}	{ 6.690E-04}	{ 5.270E-04}	{ 5.980E-04}	{ 1.610E-02}			
01/08/1998		9.490E-02	< -3.680E-04	< -2.780E-04	< -8.250E-04	3.110E-02	< 1.480E-07	< 3.180E-07	< 3.700E-06
		{ 3.130E-02}	{ 5.910E-04}	{ 4.350E-04}	{ 4.980E-04}	{ 1.160E-02}	{ 2.810E-07}	{ 3.480E-07}	{ 9.400E-06}
MEAN		1.096E-01	8.105E-05	1.495E-04	-1.665E-04	1.643E-02	1.480E-07	3.180E-07	3.700E-06
MINIMUM		4.450E-02	< -3.680E-04	< -2.780E-04	< -8.250E-04	< 6.940E-03	< 1.480E-07	< 3.180E-07	< 3.700E-06
MAXIMUM		1.620E-01	< 3.660E-04	5.270E-04	3.610E-04	3.110E-02	< 1.480E-07	< 3.180E-07	< 3.700E-06
2STD. ERR		5.148E-02	3.330E-04	3.988E-04	5.889E-04	1.083E-02	.000E+00	.000E+00	.000E+00

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
nra - Not routinely analyzed or analyzed on a less frequent basis

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2280 W END OF FIR ROAD

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/23/1997		2.830E-04	2.870E-02
		{ 2.540E-04}	{ 3.360E-03}
02/06/1997		6.630E-04	1.880E-02
		{ 3.360E-04}	{ 2.530E-03}
02/21/1997	<	2.370E-04	2.450E-02
		{ 2.640E-04}	{ 3.030E-03}
03/06/1997	<	1.730E-04	7.730E-03
		{ 2.520E-04}	{ 1.470E-03}
03/20/1997		2.590E-04	6.640E-03
		{ 2.500E-04}	{ 1.330E-03}
04/03/1997	<	2.230E-04	6.240E-03
		{ 2.390E-04}	{ 1.260E-03}
04/17/1997		4.580E-04	1.370E-02
		{ 2.940E-04}	{ 2.040E-03}
05/01/1997		3.490E-04	8.070E-03
		{ 2.630E-04}	{ 1.500E-03}
05/15/1997		3.060E-04	1.300E-02
		{ 2.730E-04}	{ 1.910E-03}
05/29/1997	<	4.090E-04	1.030E-02
		{ 5.680E-04}	{ 2.030E-03}
06/12/1997	<	4.630E-04	8.060E-03
		{ 5.230E-04}	{ 1.750E-03}
06/26/1997	<	1.540E-04	6.320E-03
		{ 4.440E-04}	{ 1.620E-03}
07/15/1997		8.280E-04	1.130E-02
		{ 5.100E-04}	{ 1.970E-03}
07/24/1997	<	4.900E-04	1.760E-02
		{ 6.440E-04}	{ 3.330E-03}
08/07/1997	<	5.400E-04	1.980E-02
		{ 5.580E-04}	{ 3.240E-03}
08/21/1997		5.740E-04	1.530E-02
		{ 5.570E-04}	{ 2.670E-03}
09/04/1997		7.060E-04	1.560E-02
		{ 5.590E-04}	{ 2.670E-03}
09/18/1997		8.630E-04	1.640E-02
		{ 5.580E-04}	{ 2.810E-03}

2282 W END OF FIR ROAD *

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2280 W END OF FIR ROAD

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
10/02/1997	<	2.070E-04	2.090E-02
	{	5.110E-04}	{ 3.360E-03}
10/16/1997	<	3.950E-04	1.100E-02
	{	4.620E-04}	{ 2.130E-03}
10/30/1997		8.230E-04	2.190E-02
	{	8.110E-04}	{ 3.940E-03}
11/13/1997	<	4.620E-05	4.380E-03
	{	2.950E-04}	{ 1.290E-03}
11/26/1997		1.300E-03	3.320E-02
	{	9.240E-04}	{ 5.020E-03}
12/11/1997	<	2.990E-04	2.600E-02
	{	5.970E-04}	{ 4.020E-03}
12/26/1997	<	3.470E-04	1.670E-02
	{	5.190E-04}	{ 2.790E-03}
01/08/1998		5.850E-04	9.220E-03
	{	4.570E-04}	{ 1.930E-03}
MEAN		4.608E-04	1.505E-02
MINIMUM	<	4.620E-05	4.380E-03
MAXIMUM		1.300E-03	3.320E-02
2STD. ERR		1.094E-04	2.973E-03

2282 W END OF FIR ROAD *

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.
* - Analyzed as part of a composite sample only

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2276 W END OF FIR ROAD-W END OF FIR ROAD,W END OF FIR ROAD (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU-239/240 PCI/M3	SR-90 PCI/M3
04/03/1997		1.150E-01	4.910E-04	< -2.070E-04	< -3.550E-04	1.030E-02	nra	nra	nra
		{ 1.960E-02}	{ 3.000E-04}	{ 3.960E-04}	{ 3.850E-04}	{ 9.140E-03}			
07/15/1997		1.460E-01	3.190E-04	< -1.060E-04	< -1.150E-05	1.840E-02	nra	nra	nra
		{ 2.660E-02}	{ 3.120E-04}	{ 2.560E-04}	{ 1.980E-04}	{ 6.000E-03}			
10/02/1997		1.460E-01	< 1.700E-04	3.480E-04	< -8.200E-06	1.020E-02	nra	nra	nra
		{ 2.430E-02}	{ 1.710E-04}	{ 3.000E-04}	{ 3.470E-04}	{ 7.800E-03}			
01/08/1998		9.480E-02	< 3.400E-04	< -1.630E-04	< -3.500E-06	7.950E-03	< 2.830E-08	< 7.220E-08	< 1.890E-06
		{ 2.150E-02}	{ 3.780E-04}	{ 3.360E-04}	{ 2.660E-04}	{ 7.500E-03}	{ 2.790E-07}	{ 2.690E-07}	{ 7.400E-06}
MEAN		1.255E-01	3.300E-04	-3.200E-05	-9.455E-05	1.171E-02	2.830E-08	7.220E-08	1.890E-06
MINIMUM		9.480E-02	< 1.700E-04	< -2.070E-04	< -3.550E-04	7.950E-03	< 2.830E-08	< 7.220E-08	< 1.890E-06
MAXIMUM		1.460E-01	4.910E-04	3.480E-04	< -3.500E-06	1.840E-02	< 2.830E-08	< 7.220E-08	< 1.890E-06
2STD. ERR		2.512E-02	1.313E-04	2.567E-04	1.737E-04	4.588E-03	.000E+00	.000E+00	.000E+00

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2276 W END OF FIR ROAD-W END OF FIR ROAD,W END OF FIR ROAD (PARTICULATE , FILTER1)

OFF DATE	COM	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3
04/03/1997		nra	nra	nra
07/15/1997		nra	nra	nra
10/02/1997		nra	nra	nra
01/08/1998		2.970E-05 { 6.200E-06}	< 4.870E-07 { 7.530E-07}	2.600E-05 { 5.680E-06}
MEAN		2.970E-05	4.870E-07	2.600E-05
MINIMUM		2.970E-05	< 4.870E-07	2.600E-05
MAXIMUM		2.970E-05	< 4.870E-07	2.600E-05
2STD. ERR		.000E+00	.000E+00	.000E+00

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
nra - Not routinely analyzed or analyzed on a less frequent basis

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2286 DOGWOOD MET TOWER

2287 DOGWOOD MET TOWER *

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/23/1997		6.130E-04	2.400E-02
		(3.460E-04)	(3.000E-03)
02/06/1997		4.300E-04	1.750E-02
		(2.890E-04)	(2.290E-03)
02/21/1997		5.550E-04	2.140E-02
		(3.070E-04)	(2.590E-03)
03/06/1997		2.630E-04	8.290E-03
		(2.470E-04)	(1.540E-03)
03/20/1997		3.830E-04	6.940E-03
		(2.610E-04)	(1.390E-03)
04/03/1997		2.630E-04	7.550E-03
		(2.430E-04)	(1.390E-03)
04/17/1997		4.690E-04	1.340E-02
		(2.920E-04)	(1.920E-03)
05/01/1997		2.640E-04	7.260E-03
		(2.540E-04)	(1.380E-03)
05/15/1997		4.050E-04	1.250E-02
		(2.840E-04)	(1.910E-03)
05/29/1997		7.860E-04	9.410E-03
		(6.070E-04)	(1.920E-03)
06/12/1997	<	4.200E-04	8.870E-03
		(5.300E-04)	(1.850E-03)
06/26/1997	<	5.070E-04	7.610E-03
		(5.430E-04)	(1.820E-03)
07/15/1997		7.550E-04	9.980E-03
		(4.750E-04)	(1.800E-03)
07/24/1997	<	5.540E-04	1.500E-02
		(6.100E-04)	(3.010E-03)
08/07/1997	<	2.460E-04	9.090E-03
		(3.670E-04)	(1.850E-03)
08/21/1997		6.920E-04	1.340E-02
		(4.860E-04)	(2.390E-03)
09/04/1997		5.650E-04	1.650E-02
		(5.060E-04)	(2.800E-03)
09/18/1997		6.840E-04	1.620E-02
		(5.320E-04)	(2.800E-03)

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2286 DOGWOOD MET TOWER

2287 DOGWOOD MET TOWER *

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
10/02/1997		7.080E-04	1.930E-02
		{ 5.660E-04}	{ 3.200E-03}
10/16/1997	<	4.370E-04	1.080E-02
		{ 4.680E-04}	{ 2.110E-03}
10/30/1997	<	4.630E-04	1.760E-02
		{ 7.010E-04}	{ 3.460E-03}
11/13/1997	<	2.590E-04	3.610E-03
		{ 3.410E-04}	{ 1.150E-03}
11/26/1997		1.020E-03	2.760E-02
		{ 7.340E-04}	{ 4.290E-03}
12/11/1997	<	5.120E-04	2.150E-02
		{ 5.510E-04}	{ 3.430E-03}
12/26/1997	<	1.700E-04	1.680E-02
		{ 4.350E-04}	{ 2.790E-03}
01/08/1998	<	3.460E-04	1.110E-02
		{ 4.380E-04}	{ 2.200E-03}
MEAN		4.911E-04	1.359E-02
MINIMUM	<	1.700E-04	3.610E-03
MAXIMUM		1.020E-03	2.760E-02
2STD. ERR		7.907E-05	2.343E-03

< - Result less than 2 sigma Total Propagated Analytical Uncertainty which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
* - Analyzed as part of a composite sample only

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2284 DOGWOOD MET TOWER-DOGWOOD MET TOWER,DOGWOOD MET TOWER (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU-239/240 PCI/M3	SR-90 PCI/M3
04/03/1997		9.890E-02	< 2.300E-04	< 2.440E-04	< -4.100E-04	2.570E-02	nra	nra	nra
		{ 2.060E-02}	{ 3.200E-04}	{ 3.120E-04}	{ 3.990E-04}	{ 7.990E-03}			
07/15/1997		1.680E-01	< -5.340E-05	< 1.320E-04	< -4.900E-05	< 4.620E-03	nra	nra	nra
		{ 2.490E-02}	{ 3.300E-04}	{ 2.520E-04}	{ 2.920E-04}	{ 9.560E-03}			
10/02/1997		1.410E-01	< 2.000E-04	< 1.360E-04	< -3.600E-06	3.240E-02	nra	nra	nra
		{ 2.590E-02}	{ 2.780E-04}	{ 2.610E-04}	{ 2.880E-04}	{ 8.020E-03}			
01/08/1998		3.690E-02	4.990E-04	< 2.500E-04	< -8.730E-05	< 5.940E-03	< 4.790E-08	5.030E-07	< 2.230E-07
		{ 8.220E-03}	{ 3.530E-04}	{ 2.840E-04}	{ 3.200E-04}	{ 7.220E-03}	{ 2.120E-07}	{ 3.410E-07}	{ 8.590E-06}
MEAN		1.112E-01	2.189E-04	1.905E-04	-1.375E-04	1.717E-02	4.790E-08	5.030E-07	2.230E-07
MINIMUM		3.690E-02	< -5.340E-05	< 1.320E-04	< -4.100E-04	< 4.620E-03	< 4.790E-08	5.030E-07	< 2.230E-07
MAXIMUM		1.680E-01	4.990E-04	< 2.500E-04	< -3.600E-06	3.240E-02	< 4.790E-08	5.030E-07	< 2.230E-07
2STD. ERR		5.711E-02	2.259E-04	6.531E-05	1.849E-04	1.400E-02	.000E+00	.000E+00	.000E+00

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2284 DOGWOOD MET TOWER-DOGWOOD MET TOWER,DOGWOOD MET TOWER (PARTICULATE , FILTER1)

OFF DATE	COM	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3
04/03/1997		nra	nra	nra
07/15/1997		nra	nra	nra
10/02/1997		nra	nra	nra
01/08/1998		3.670E-05	9.980E-07	3.320E-05
		(5.990E-06)	(9.410E-07)	(5.580E-06)
MEAN		3.670E-05	9.980E-07	3.320E-05
MINIMUM		3.670E-05	9.980E-07	3.320E-05
MAXIMUM		3.670E-05	9.980E-07	3.320E-05
2STD. ERR		.000E+00	.000E+00	.000E+00

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.
nra - Not routinely analyzed or analyzed on a less frequent basis

2290 BYERS LANDING

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/23/1997		3.930E-04	2.520E-02
		(2.920E-04)	(3.040E-03)
02/06/1997		< 2.430E-04	1.240E-02
		(2.520E-04)	(1.830E-03)
02/21/1997		< 2.110E-04	1.790E-02
		(2.190E-04)	(2.330E-03)
03/06/1997		< 2.270E-04	6.120E-03
		(2.410E-04)	(1.300E-03)
03/20/1997		4.430E-04	5.400E-03
		(2.190E-04)	(9.650E-04)
04/03/1997		2.400E-04	5.550E-03
		(1.910E-04)	(9.830E-04)
04/17/1997	1	9.270E-04	1.120E-02
		(3.700E-04)	(1.670E-03)
05/01/1997		2.950E-04	5.430E-03
		(1.920E-04)	(1.010E-03)
05/15/1997		4.730E-04	1.150E-02
		(2.850E-04)	(1.770E-03)
05/29/1997		6.970E-04	9.290E-03
		(5.420E-04)	(1.810E-03)
06/12/1997		< 2.800E-04	5.500E-03
		(3.620E-04)	(1.220E-03)
06/26/1997		< 2.260E-04	8.140E-03
		(4.900E-04)	(1.850E-03)
07/15/1997		8.780E-04	8.160E-03
		(4.670E-04)	(1.580E-03)
07/24/1997	2	NR	NR
08/07/1997		< 3.900E-04	1.850E-02
		(5.650E-04)	(3.090E-03)
08/21/1997		7.260E-04	1.890E-02
		(5.700E-04)	(3.160E-03)
09/04/1997		7.240E-04	1.760E-02
		(5.710E-04)	(2.910E-03)
09/18/1997		6.150E-04	1.690E-02
		(5.600E-04)	(2.830E-03)

2290 BYERS LANDING

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
10/02/1997		8.030E-04	2.380E-02
		{ 7.060E-04}	{ 3.750E-03}
10/16/1997	<	4.260E-04	1.400E-02
		{ 4.790E-04}	{ 2.530E-03}
10/30/1997	<	8.840E-04	2.400E-02
		{ 9.260E-04}	{ 4.280E-03}
11/13/1997		6.750E-04	2.120E-02
		{ 5.670E-04}	{ 3.360E-03}
11/26/1997		8.400E-04	3.270E-02
		{ 7.760E-04}	{ 4.970E-03}
12/11/1997		1.190E-03	2.820E-02
		{ 7.770E-04}	{ 4.250E-03}
12/26/1997	<	9.930E-05	2.100E-02
		{ 4.770E-04}	{ 3.320E-03}
01/08/1998	<	3.110E-04	1.140E-02
		{ 4.390E-04}	{ 2.170E-03}
MEAN		5.287E-04	1.520E-02
MINIMUM	<	9.930E-05	5.400E-03
MAXIMUM		1.190E-03	3.270E-02
2STD. ERR		1.156E-04	3.147E-03

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 FIELD BEING PLOWED WEST OF SAMPLER.
2 NO SAMPLE. PUMP BAD, NO FLOW.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2288 BYERS LANDING-BYERS LANDING (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU-239/240 PCI/M3	SR-90 PCI/M3
04/03/1997		5.410E-02	5.010E-04	< -3.770E-04	< -2.480E-04	5.330E-02	nra	nra	nra
		{ 1.800E-02}	{ 4.910E-04}	{ 5.620E-04}	{ 4.220E-04}	{ 1.430E-02}			
07/15/1997		9.190E-02	< 1.230E-04	< -1.730E-04	< -9.220E-05	< 6.320E-03	nra	nra	nra
		{ 2.770E-02}	{ 3.560E-04}	{ 4.830E-04}	{ 3.490E-04}	{ 9.040E-03}			
10/02/1997		1.660E-01	< 2.500E-04	1.050E-03	6.650E-04	3.000E-02	nra	nra	nra
		{ 3.750E-02}	{ 5.670E-04}	{ 6.990E-04}	{ 6.150E-04}	{ 1.550E-02}			
01/08/1998		1.020E-01	3.260E-04	< 2.930E-04	< 1.550E-04	< 1.020E-02	< -1.060E-07	7.270E-07	< 1.230E-06
		{ 2.150E-02}	{ 2.940E-04}	{ 4.470E-04}	{ 4.450E-04}	{ 1.300E-02}	{ 3.010E-07}	{ 5.970E-07}	{ 1.290E-05}
MEAN		1.035E-01	3.000E-04	1.983E-04	1.200E-04	2.496E-02	-1.060E-07	7.270E-07	1.230E-06
MINIMUM		5.410E-02	< 1.230E-04	< -3.770E-04	< -2.480E-04	< 6.320E-03	< -1.060E-07	7.270E-07	< 1.230E-06
MAXIMUM		1.660E-01	5.010E-04	1.050E-03	6.650E-04	5.330E-02	< -1.060E-07	7.270E-07	< 1.230E-06
2STD. ERR		4.649E-02	1.580E-04	6.333E-04	3.995E-04	2.156E-02	.000E+00	.000E+00	.000E+00

2288 BYERS LANDING-BYERS LANDING (PARTICULATE , FILTER1)

OFF DATE	COM	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3
04/03/1997		nra	nra	nra
07/15/1997		nra	nra	nra
10/02/1997		nra	nra	nra
01/08/1998		4.120E-05 { 8.310E-06}	3.410E-06 { 2.100E-06}	4.310E-05 { 8.580E-06}
MEAN		4.120E-05	3.410E-06	4.310E-05
MINIMUM		4.120E-05	3.410E-06	4.310E-05
MAXIMUM		4.120E-05	3.410E-06	4.310E-05
2STD. ERR		.000E+00	.000E+00	.000E+00

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
nra - Not routinely analyzed or analyzed on a less frequent basis

2292 BATTELLE COMPLEX

OFF DATE	COM	BETA PCI/M3
01/15/1997		1.700E-02
		(2.670E-03)
01/29/1997		2.100E-02
		(2.740E-03)
02/18/1997		1.570E-02
		(2.070E-03)
02/26/1997		6.720E-03
		(1.680E-03)
03/11/1997		3.300E-03
		(1.080E-03)
03/25/1997		3.680E-03
		(1.000E-03)
04/09/1997	1	NR
04/23/1997	2	NR
05/07/1997		5.030E-03
		(1.240E-03)
05/21/1997		9.420E-03
		(1.510E-03)
06/04/1997		6.250E-03
		(1.520E-03)
06/23/1997		7.230E-03
		(1.520E-03)
07/02/1997		8.810E-03
		(2.200E-03)
07/17/1997		1.100E-02
		(2.050E-03)
07/30/1997		1.780E-02
		(3.060E-03)
08/13/1997		1.470E-02
		(2.380E-03)
08/27/1997		1.430E-02
		(2.580E-03)
09/10/1997		2.240E-02
		(3.610E-03)

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2292 BATTELLE COMPLEX

OFF DATE	COM	BETA PCI/M3
09/24/1997		1.900E-02
		{ 3.100E-03}
10/08/1997		1.700E-02
		{ 2.830E-03}
10/21/1997		2.110E-02
		{ 3.470E-03}
11/05/1997		1.830E-02
		{ 2.960E-03}
11/19/1997		4.280E-02
		{ 6.170E-03}
12/03/1997		1.420E-02
		{ 2.500E-03}
12/16/1997		4.160E-02
		{ 6.090E-03}
12/30/1997		1.660E-02
		{ 2.810E-03}
MEAN		1.562E-02
MINIMUM		3.300E-03
MAXIMUM		4.280E-02
2STD. ERR		4.084E-03

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE. POWER OUTAGE.
2 NO SAMPLE. POWER OUTAGE.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2774 BATTELLE COMPLEX-BATTELLE COMPLEX (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3
12/30/1997		2.550E-01	< 4.350E-05	< -3.380E-05	< -7.630E-05	< 3.270E-03
		{ 6.140E-02}	{ 2.460E-04}	{ 1.950E-04}	{ 1.750E-04}	{ 4.710E-03}

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2295 HORN RAPIDS SUBSTA

2296 PROSSER BARRICADE *

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/16/1997		6.330E-04	1.910E-02
		(3.460E-04)	(2.430E-03)
01/30/1997		6.160E-04	3.720E-02
		(3.320E-04)	(4.070E-03)
02/18/1997		2.550E-04	1.370E-02
		(1.740E-04)	(1.740E-03)
02/28/1997		< 1.090E-04	6.820E-03
		(2.670E-04)	(1.670E-03)
03/13/1997		< 1.610E-04	2.430E-03
		(1.960E-04)	(9.550E-04)
03/26/1997		3.070E-04	7.700E-03
		(2.780E-04)	(1.490E-03)
04/10/1997		4.810E-04	6.670E-03
		(3.080E-04)	(1.310E-03)
04/24/1997		4.380E-04	9.680E-03
		(2.540E-04)	(1.580E-03)
05/08/1997		3.240E-04	5.980E-03
		(2.700E-04)	(1.310E-03)
05/22/1997		< 3.730E-04	9.010E-03
		(4.890E-04)	(1.820E-03)
06/05/1997		< 3.750E-04	6.860E-03
		(4.860E-04)	(1.590E-03)
06/24/1997		< 4.590E-04	8.300E-03
		(5.350E-04)	(1.870E-03)
06/30/1997	1	NR	NR
07/18/1997		4.790E-04	1.010E-02
		(3.830E-04)	(1.850E-03)
07/31/1997		< 5.650E-04	1.800E-02
		(6.110E-04)	(3.110E-03)
08/14/1997		< 5.280E-04	1.960E-02
		(5.990E-04)	(3.180E-03)
08/28/1997		7.830E-04	1.600E-02
		(5.480E-04)	(2.790E-03)
09/12/1997		1.060E-03	2.380E-02
		(6.620E-04)	(3.750E-03)

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2295 HORN RAPIDS SUBSTA

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/25/1997		5.750E-04	1.710E-02
		{ 5.110E-04}	{ 2.860E-03}
10/10/1997		5.000E-04	1.370E-02
		{ 4.900E-04}	{ 2.390E-03}
10/24/1997	<	3.750E-04	2.070E-02
		{ 5.670E-04}	{ 3.260E-03}
11/06/1997		5.630E-04	1.460E-02
		{ 5.540E-04}	{ 2.620E-03}
11/20/1997		1.510E-03	3.890E-02
		{ 1.010E-03}	{ 5.670E-03}
12/04/1997		7.010E-04	1.590E-02
		{ 5.160E-04}	{ 2.720E-03}
12/17/1997		1.600E-03	3.920E-02
		{ 1.050E-03}	{ 5.820E-03}
01/02/1998	<	3.660E-04	1.590E-02
		{ 4.340E-04}	{ 2.610E-03}
MEAN		5.654E-04	1.588E-02
MINIMUM	<	1.090E-04	2.430E-03
MAXIMUM		1.600E-03	3.920E-02
2STD. ERR		1.431E-04	4.022E-03

2296 PROSSER BARRICADE *

< - Result less than 2 sigma Total Propagated Analytical Uncertainty which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
* - Analyzed as part of a composite sample only
1 NO SAMPLE. SAVE FOR COMPOSITE.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2293 PROSSER BARRICADE-HORN RAPIDS SUBSTA,PROSSER BARRICADE (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU-239/240 PCI/M3	SR-90 PCI/M3
04/10/1997		9.020E-02	< -5.230E-05	< -4.660E-05	< -2.020E-04	1.920E-02	nra	nra	nra
		{ 1.780E-02}	{ 2.560E-04}	{ 2.940E-04}	{ 3.030E-04}	{ 6.290E-03}			
06/30/1997		1.130E-01	< -6.170E-05	< 2.290E-04	< -1.090E-04	1.830E-02	nra	nra	nra
		{ 2.620E-02}	{ 3.620E-04}	{ 3.440E-04}	{ 3.330E-04}	{ 8.530E-03}			
10/10/1997		2.280E-01	< -6.080E-05	< 8.150E-05	3.980E-04	1.930E-02	nra	nra	nra
		{ 3.220E-02}	{ 3.580E-04}	{ 2.640E-04}	{ 3.260E-04}	{ 6.230E-03}			
01/02/1998		7.480E-02	< 3.510E-05	2.170E-04	< -2.230E-04	< 5.990E-04	< -1.740E-08	< 1.820E-07	< -8.880E-07
		{ 1.560E-02}	{ 2.720E-04}	{ 2.050E-04}	{ 2.660E-04}	{ 8.540E-03}	{ 1.360E-07}	{ 2.140E-07}	{ 7.240E-06}
MEAN		1.265E-01	-3.493E-05	1.202E-04	-3.400E-05	1.435E-02	-1.740E-08	1.820E-07	-8.880E-07
MINIMUM		7.480E-02	< -6.170E-05	< -4.660E-05	< -2.230E-04	< 5.990E-04	< -1.740E-08	< 1.820E-07	< -8.880E-07
MAXIMUM		2.280E-01	< 3.510E-05	< 2.290E-04	3.980E-04	1.930E-02	< -1.740E-08	< 1.820E-07	< -8.880E-07
2STD. ERR		6.946E-02	4.688E-05	1.298E-04	2.922E-04	9.178E-03	.000E+00	.000E+00	.000E+00

2293 PROSSER BARRICADE-HORN RAPIDS SUBSTA,PROSSER BARRICADE (PARTICULATE , FILTER1)

OFF DATE	COM	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3
04/10/1997		nra	nra	nra
06/30/1997		nra	nra	nra
10/10/1997		nra	nra	nra
01/02/1998		1.580E-05	< -7.350E-08	1.570E-05
		{ 3.390E-06}	{ 3.140E-07}	{ 3.430E-06}
MEAN		1.580E-05	-7.350E-08	1.570E-05
MINIMUM		1.580E-05	< -7.350E-08	1.570E-05
MAXIMUM		1.580E-05	< -7.350E-08	1.570E-05
2STD. ERR		.000E+00	.000E+00	.000E+00

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
nra - Not routinely analyzed or analyzed on a less frequent basis

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2299 YAKIMA BARRICADE

2300 YAKIMA BARRICADE *

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/14/1997		3.570E-04	1.000E-02
		{ 2.470E-04}	{ 1.620E-03}
01/28/1997		1.310E-03	3.130E-02
		{ 4.460E-04}	{ 3.520E-03}
02/11/1997		6.110E-04	3.380E-02
		{ 3.340E-04}	{ 3.950E-03}
02/25/1997		3.740E-04	8.470E-03
		{ 2.580E-04}	{ 1.480E-03}
03/11/1997		4.100E-04	6.170E-03
		{ 2.780E-04}	{ 1.300E-03}
03/24/1997		2.950E-04	8.670E-03
		{ 2.680E-04}	{ 1.550E-03}
04/08/1997		2.860E-04	7.740E-03
		{ 2.400E-04}	{ 1.410E-03}
04/22/1997		6.850E-04	2.910E-02
		{ 3.410E-04}	{ 3.510E-03}
05/06/1997		4.020E-04	6.900E-03
		{ 2.830E-04}	{ 1.340E-03}
05/20/1997		5.800E-04	1.410E-02
		{ 3.850E-04}	{ 2.060E-03}
06/03/1997	<	1.910E-04	7.030E-03
		{ 4.600E-04}	{ 1.620E-03}
06/17/1997	<	2.170E-04	8.980E-03
		{ 5.230E-04}	{ 1.920E-03}
07/01/1997		4.840E-04	6.790E-03
		{ 4.770E-04}	{ 1.590E-03}
07/16/1997		4.990E-04	7.790E-03
		{ 3.930E-04}	{ 1.670E-03}
07/29/1997		6.550E-04	1.380E-02
		{ 5.360E-04}	{ 2.510E-03}
08/12/1997	<	4.140E-04	1.690E-02
		{ 5.490E-04}	{ 2.860E-03}
08/26/1997		7.100E-04	1.220E-02
		{ 5.310E-04}	{ 2.290E-03}
09/09/1997		8.030E-04	1.630E-02
		{ 5.540E-04}	{ 2.820E-03}

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2299 YAKIMA BARRICADE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/23/1997	<	5.360E-04	1.490E-02
		{ 5.450E-04}	{ 2.640E-03}
10/07/1997		6.900E-04	1.660E-02
		{ 5.690E-04}	{ 2.830E-03}
10/21/1997		9.650E-04	1.780E-02
		{ 6.480E-04}	{ 3.010E-03}
11/03/1997	<	3.680E-04	1.480E-02
		{ 4.720E-04}	{ 2.640E-03}
11/18/1997		2.000E-03	3.730E-02
		{ 1.010E-03}	{ 5.430E-03}
12/02/1997	<	3.160E-04	1.270E-02
		{ 4.560E-04}	{ 2.320E-03}
12/15/1997		1.250E-03	3.420E-02
		{ 9.430E-04}	{ 5.170E-03}
12/30/1997		7.870E-04	1.350E-02
		{ 5.370E-04}	{ 2.400E-03}
MEAN		6.229E-04	1.569E-02
MINIMUM	<	1.910E-04	6.170E-03
MAXIMUM		2.000E-03	3.730E-02
2STD. ERR		1.569E-04	3.703E-03

2300 YAKIMA BARRICADE *

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
* - Analyzed as part of a composite sample only

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2297 YAKIMA BARRICADE-YAKIMA BARRICADE,YAKIMA BARRICADE (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU-239/240 PCI/M3	SR-90 PCI/M3
04/08/1997		1.050E-01	< 3.330E-04	< -1.440E-04	< -4.070E-05	< 2.360E-03	nra	nra	nra
		(1.890E-02)	(3.490E-04)	(2.600E-04)	(2.640E-04)	(6.670E-03)			
07/01/1997		7.550E-02	< 2.160E-04	< 1.600E-04	< 1.430E-04	2.020E-02	nra	nra	nra
		(1.770E-02)	(2.630E-04)	(2.580E-04)	(2.040E-04)	(5.870E-03)			
10/07/1997		1.550E-01	< 1.740E-04	< -7.070E-05	< -1.030E-04	6.800E-03	nra	nra	nra
		(2.680E-02)	(3.570E-04)	(2.950E-04)	(3.330E-04)	(6.760E-03)			
12/30/1997		6.840E-02	< -2.400E-04	< 6.020E-06	< -9.650E-05	< 9.130E-03	< 1.930E-08	4.380E-07	< 6.670E-08
		(1.760E-02)	(3.950E-04)	(2.440E-04)	(2.640E-04)	(9.460E-03)	(1.000E-07)	(2.400E-07)	(4.370E-06)
MEAN		1.010E-01	1.208E-04	-1.217E-05	-2.430E-05	9.623E-03	1.930E-08	4.380E-07	6.670E-08
MINIMUM		6.840E-02	< -2.400E-04	< -1.440E-04	< -1.030E-04	< 2.360E-03	< 1.930E-08	4.380E-07	< 6.670E-08
MAXIMUM		1.550E-01	< 3.330E-04	< 1.600E-04	< 1.430E-04	2.020E-02	< 1.930E-08	4.380E-07	< 6.670E-08
2STD. ERR		3.935E-02	2.497E-04	1.301E-04	1.150E-04	7.590E-03	.000E+00	.000E+00	.000E+00

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.
nra - Not routinely analyzed or analyzed on a less frequent basis

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2303 WAHLUKE SLOPE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/24/1997		7.980E-04	2.580E-02
		{ 3.480E-04}	{ 3.090E-03}
02/03/1997		4.700E-04	1.990E-02
		{ 3.850E-04}	{ 2.790E-03}
02/20/1997		3.710E-04	2.280E-02
		{ 2.400E-04}	{ 2.710E-03}
03/05/1997		3.130E-04	7.240E-03
		{ 2.670E-04}	{ 1.470E-03}
03/19/1997		< 1.270E-04	8.220E-03
		{ 1.960E-04}	{ 1.460E-03}
04/02/1997		< 2.270E-04	7.530E-03
		{ 2.410E-04}	{ 1.420E-03}
04/18/1997		4.970E-04	1.330E-02
		{ 2.680E-04}	{ 1.830E-03}
04/30/1997		< 1.020E-04	7.350E-03
		{ 2.310E-04}	{ 1.520E-03}
05/14/1997		4.010E-04	8.940E-03
		{ 2.630E-04}	{ 1.570E-03}
05/28/1997		6.040E-04	9.370E-03
		{ 5.820E-04}	{ 1.920E-03}
06/11/1997		< 3.030E-04	8.390E-03
		{ 4.720E-04}	{ 1.800E-03}
06/25/1997		< 4.640E-04	7.090E-03
		{ 5.250E-04}	{ 1.750E-03}
07/15/1997		9.820E-04	1.020E-02
		{ 5.010E-04}	{ 1.810E-03}
07/23/1997		8.860E-04	1.730E-02
		{ 7.810E-04}	{ 3.500E-03}
08/06/1997		5.860E-04	1.670E-02
		{ 5.140E-04}	{ 2.820E-03}
08/20/1997		< 3.160E-04	1.490E-02
		{ 4.440E-04}	{ 2.580E-03}
09/03/1997		5.340E-04	1.390E-02
		{ 5.090E-04}	{ 2.460E-03}
09/18/1997		7.320E-04	1.730E-02
		{ 7.190E-04}	{ 3.440E-03}

2304 WAHLUKE SLOPE *

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2303 WAHLUKE SLOPE

2304 WAHLUKE SLOPE *

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
10/01/1997		7.600E-04	1.970E-02
		{ 6.600E-04}	{ 3.290E-03}
10/15/1997	<	1.730E-04	1.100E-02
		{ 4.390E-04}	{ 2.160E-03}
10/29/1997	<	2.640E-04	2.700E-02
		{ 7.540E-04}	{ 4.600E-03}
11/12/1997		7.350E-04	1.880E-02
		{ 6.160E-04}	{ 3.140E-03}
11/25/1997	<	8.330E-04	3.160E-02
		{ 8.500E-04}	{ 4.810E-03}
12/10/1997	<	3.560E-04	1.610E-02
		{ 4.590E-04}	{ 2.720E-03}
12/23/1997		5.730E-04	1.740E-02
		{ 5.440E-04}	{ 3.000E-03}
01/07/1998		4.720E-04	1.180E-02
		{ 4.600E-04}	{ 2.190E-03}
MEAN		4.953E-04	1.499E-02
MINIMUM	<	1.020E-04	7.090E-03
MAXIMUM		9.820E-04	3.160E-02
2STD. ERR		9.525E-05	2.633E-03

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
* - Analyzed as part of a composite sample only

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2301 WAHLUKE SLOPE-WAHLUKE SLOPE,WAHLUKE SLOPE (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU-239/240 PCI/M3	SR-90 PCI/M3
04/02/1997		1.060E-01	3.680E-04	< -1.640E-04	< 2.970E-04	< 7.840E-03	nra	nra	nra
		{ 1.920E-02}	{ 3.590E-04}	{ 3.670E-04}	{ 3.910E-04}	{ 9.230E-03}			
07/15/1997		1.520E-01	< -4.710E-04	< 1.120E-04	< 2.280E-05	< 5.630E-03	nra	nra	nra
		{ 2.650E-02}	{ 3.990E-04}	{ 3.210E-04}	{ 2.850E-04}	{ 6.030E-03}			
10/01/1997		1.610E-01	< 2.050E-04	< -3.230E-04	< 2.450E-04	< 6.280E-03	nra	nra	nra
		{ 2.940E-02}	{ 4.200E-04}	{ 2.950E-04}	{ 3.740E-04}	{ 8.760E-03}			
01/07/1998		8.520E-02	< -9.810E-05	< -3.330E-05	< -7.210E-05	< 3.600E-03	< 2.880E-08	< 9.100E-08	< -3.770E-06
		{ 1.820E-02}	{ 3.720E-04}	{ 2.640E-04}	{ 2.920E-04}	{ 6.900E-03}	{ 1.140E-07}	{ 1.270E-07}	{ 4.950E-06}
MEAN		1.261E-01	9.750E-07	-1.021E-04	1.232E-04	5.838E-03	2.880E-08	9.100E-08	-3.770E-06
MINIMUM		8.520E-02	< -4.710E-04	< -3.230E-04	< -7.210E-05	< 3.600E-03	< 2.880E-08	< 9.100E-08	< -3.770E-06
MAXIMUM		1.610E-01	3.680E-04	< 1.120E-04	< 2.970E-04	< 7.840E-03	< 2.880E-08	< 9.100E-08	< -3.770E-06
2STD. ERR		3.636E-02	3.692E-04	1.855E-04	1.763E-04	1.756E-03	.000E+00	.000E+00	.000E+00

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
nra - Not routinely analyzed or analyzed on a less frequent basis

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2323 BASIN CITY SCHOOL

2324 BASIN CITY SCHOOL *

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/22/1997		9.630E-04	3.310E-02
		(3.740E-04)	(3.570E-03)
02/05/1997		9.740E-04	2.380E-02
		(4.020E-04)	(2.970E-03)
02/19/1997		6.450E-04	3.450E-02
		(3.650E-04)	(4.020E-03)
03/05/1997		< 4.040E-05	9.150E-03
		(2.080E-04)	(1.520E-03)
03/19/1997		< 1.180E-04	9.410E-03
		(1.920E-04)	(1.610E-03)
04/02/1997		2.230E-04	8.710E-03
		(2.150E-04)	(1.530E-03)
04/16/1997		3.460E-04	1.440E-02
		(2.620E-04)	(2.090E-03)
04/30/1997		6.310E-04	9.210E-03
		(3.130E-04)	(1.550E-03)
05/14/1997		3.790E-04	1.140E-02
		(2.690E-04)	(1.740E-03)
05/28/1997		1.020E-03	1.230E-02
		(6.800E-04)	(2.290E-03)
06/11/1997		< 5.650E-04	9.690E-03
		(5.660E-04)	(1.960E-03)
06/25/1997		< 4.560E-04	6.880E-03
		(4.670E-04)	(1.590E-03)
07/09/1997		5.780E-04	9.810E-03
		(4.560E-04)	(1.950E-03)
07/25/1997		< 3.450E-04	1.110E-02
		(4.210E-04)	(2.020E-03)
08/06/1997		6.640E-04	1.980E-02
		(6.010E-04)	(3.320E-03)
08/20/1997		< 5.030E-04	1.610E-02
		(5.510E-04)	(2.750E-03)
09/03/1997		7.640E-04	1.620E-02
		(5.690E-04)	(2.730E-03)
09/17/1997		5.030E-04	1.620E-02
		(4.910E-04)	(2.760E-03)

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2323 BASIN CITY SCHOOL

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
10/01/1997		7.310E-04	1.830E-02
		{ 5.450E-04}	{ 3.040E-03}
10/15/1997		7.920E-04	1.110E-02
		{ 5.130E-04}	{ 2.100E-03}
10/29/1997		< 2.960E-04	2.020E-02
		{ 7.270E-04}	{ 3.670E-03}
11/12/1997		< 5.940E-04	2.110E-02
		{ 6.280E-04}	{ 3.400E-03}
11/25/1997		8.680E-04	3.270E-02
		{ 8.640E-04}	{ 4.950E-03}
12/10/1997		< 5.880E-04	2.820E-02
		{ 6.510E-04}	{ 4.270E-03}
12/24/1997		< 4.390E-04	1.920E-02
		{ 5.800E-04}	{ 3.140E-03}
01/07/1998		< 3.730E-04	1.250E-02
		{ 4.710E-04}	{ 2.330E-03}
MEAN		5.538E-04	1.673E-02
MINIMUM		< 4.040E-05	6.880E-03
MAXIMUM		1.020E-03	3.450E-02
2STD. ERR		1.001E-04	3.169E-03

2324 BASIN CITY SCHOOL *

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
* - Analyzed as part of a composite sample only

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2321 BASIN CITY SCHOOL-BASIN CITY SCHOOL,BASIN CITY SCHOOL (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU-239/240 PCI/M3	SR-90 PCI/M3
04/02/1997		1.280E-01	< -3.340E-04	< -4.430E-04	< 4.410E-06	1.380E-02	nra	nra	nra
		{ 1.960E-02}	{ 3.520E-04}	{ 3.900E-04}	{ 2.990E-04}	{ 8.040E-03}			
07/09/1997		1.700E-01	2.990E-04	< -9.160E-05	< 1.230E-04	< 6.360E-03	nra	nra	nra
		{ 3.020E-02}	{ 2.930E-04}	{ 3.150E-04}	{ 3.250E-04}	{ 8.260E-03}			
10/01/1997		1.420E-01	< -2.680E-04	< -5.610E-05	< 1.740E-04	1.360E-02	nra	nra	nra
		{ 2.520E-02}	{ 4.200E-04}	{ 3.310E-04}	{ 3.660E-04}	{ 6.030E-03}			
01/07/1998		8.620E-02	< 1.230E-04	3.640E-04	< -1.530E-04	3.630E-02	< 2.680E-07	< 2.940E-07	< 7.170E-06
		{ 2.100E-02}	{ 3.180E-04}	{ 2.540E-04}	{ 3.620E-04}	{ 9.130E-03}	{ 4.020E-07}	{ 3.540E-07}	{ 8.530E-06}
MEAN		1.316E-01	-4.500E-05	-5.668E-05	3.710E-05	1.752E-02	2.680E-07	2.940E-07	7.170E-06
MINIMUM		8.620E-02	< -3.340E-04	< -4.430E-04	< -1.530E-04	< 6.360E-03	< 2.680E-07	< 2.940E-07	< 7.170E-06
MAXIMUM		1.700E-01	2.990E-04	3.640E-04	< 1.740E-04	3.630E-02	< 2.680E-07	< 2.940E-07	< 7.170E-06
2STD. ERR		3.491E-02	3.054E-04	3.304E-04	1.453E-04	1.299E-02	.000E+00	.000E+00	.000E+00

2321 BASIN CITY SCHOOL-BASIN CITY SCHOOL,BASIN CITY SCHOOL (PARTICULATE , FILTER1)

OFF DATE	COM	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3
04/02/1997		nra	nra	nra
07/09/1997		nra	nra	nra
10/01/1997		nra	nra	nra
01/07/1998		2.600E-05 { 4.810E-06}	1.400E-06 { 9.920E-07}	2.360E-05 { 4.500E-06}
MEAN		2.600E-05	1.400E-06	2.360E-05
MINIMUM		2.600E-05	1.400E-06	2.360E-05
MAXIMUM		2.600E-05	1.400E-06	2.360E-05
2STD. ERR		.000E+00	.000E+00	.000E+00

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
nra - Not routinely analyzed or analyzed on a less frequent basis

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2327 LESLIE GROVES-RCHLND

2328 LESLIE GROVES-RCHLND *

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/21/1997		3.720E-04	3.390E-02
		{ 2.780E-04}	{ 3.740E-03}
02/04/1997		4.300E-04	2.170E-02
		{ 2.880E-04}	{ 2.800E-03}
02/18/1997		5.980E-04	3.170E-02
		{ 3.120E-04}	{ 3.550E-03}
03/04/1997		< 1.410E-04	1.050E-02
		{ 2.060E-04}	{ 1.660E-03}
03/18/1997		4.220E-04	7.620E-03
		{ 2.760E-04}	{ 1.410E-03}
04/01/1997		3.800E-04	9.750E-03
		{ 2.600E-04}	{ 1.600E-03}
04/15/1997		8.130E-04	1.490E-02
		{ 3.520E-04}	{ 2.100E-03}
04/29/1997		< 6.610E-05	1.020E-02
		{ 1.590E-04}	{ 1.660E-03}
05/13/1997		2.250E-04	1.140E-02
		{ 2.170E-04}	{ 1.740E-03}
05/27/1997		< 3.090E-04	1.380E-02
		{ 6.190E-04}	{ 2.480E-03}
06/10/1997		< 2.990E-04	8.270E-03
		{ 4.650E-04}	{ 1.770E-03}
06/24/1997		< 1.370E-04	1.010E-02
		{ 4.740E-04}	{ 2.000E-03}
07/08/1997		6.980E-04	9.110E-03
		{ 5.220E-04}	{ 1.880E-03}
07/22/1997		6.760E-04	1.420E-02
		{ 5.440E-04}	{ 2.490E-03}
08/05/1997		6.190E-04	1.800E-02
		{ 5.820E-04}	{ 3.000E-03}
08/19/1997		1.060E-03	1.460E-02
		{ 5.970E-04}	{ 2.570E-03}
09/02/1997		6.780E-04	1.630E-02
		{ 5.610E-04}	{ 2.790E-03}
09/16/1997		< 4.830E-04	1.780E-02
		{ 5.120E-04}	{ 2.970E-03}

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2327 LESLIE GROVES-RCHLND

2328 LESLIE GROVES-RCHLND *

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/30/1997		7.930E-04	2.380E-02
		{ 6.940E-04}	{ 3.730E-03}
10/14/1997	<	3.420E-04	1.020E-02
		{ 4.490E-04}	{ 1.980E-03}
10/28/1997	<	5.980E-04	2.380E-02
		{ 8.510E-04}	{ 4.200E-03}
11/11/1997	<	2.360E-04	2.380E-02
		{ 6.310E-04}	{ 3.730E-03}
11/24/1997	<	6.020E-04	3.970E-02
		{ 8.400E-04}	{ 5.850E-03}
12/09/1997	<	7.130E-04	2.850E-02
		{ 7.480E-04}	{ 4.290E-03}
12/22/1997	<	3.680E-04	1.690E-02
		{ 5.390E-04}	{ 2.910E-03}
01/06/1998		9.150E-04	1.650E-02
		{ 5.460E-04}	{ 2.760E-03}
MEAN		4.990E-04	1.758E-02
MINIMUM	<	6.610E-05	7.620E-03
MAXIMUM		1.060E-03	3.970E-02
2STD. ERR		9.973E-05	3.351E-03

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.
* - Analyzed as part of a composite sample only

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2325 LESLIE GROVES-RCHLND-LESLIE GROVES-RCHLND,LESLIE GROVES-RCHLND (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU-239/240 PCI/M3	SR-90 PCI/M3
04/01/1997		1.370E-01	< -1.560E-04	< 1.290E-04	< 1.790E-04	< 5.510E-03	nra	nra	nra
		{ 2.250E-02}	{ 3.730E-04}	{ 3.140E-04}	{ 3.440E-04}	{ 7.110E-03}			
07/08/1997		1.760E-01	< 1.950E-04	< -3.470E-04	< 1.940E-04	9.880E-03	nra	nra	nra
		{ 3.070E-02}	{ 3.330E-04}	{ 3.240E-04}	{ 2.970E-04}	{ 8.150E-03}			
09/30/1997		1.730E-01	< -1.460E-04	< -4.530E-05	< -3.720E-04	1.410E-02	nra	nra	nra
		{ 2.760E-02}	{ 3.480E-04}	{ 2.720E-04}	{ 3.300E-04}	{ 5.440E-03}			
01/06/1998		1.020E-01	< -2.690E-04	< -3.340E-04	< -2.090E-04	< 2.050E-03	< 3.980E-08	< 2.600E-07	< 8.320E-07
		{ 1.900E-02}	{ 4.190E-04}	{ 2.550E-04}	{ 2.820E-04}	{ 7.630E-03}	{ 2.850E-07}	{ 3.740E-07}	{ 8.240E-06}
MEAN		1.470E-01	-9.400E-05	-1.493E-04	-5.200E-05	7.885E-03	3.980E-08	2.600E-07	8.320E-07
MINIMUM		1.020E-01	< -2.690E-04	< -3.470E-04	< -3.720E-04	< 2.050E-03	< 3.980E-08	< 2.600E-07	< 8.320E-07
MAXIMUM		1.760E-01	< 1.950E-04	< 1.290E-04	< 1.940E-04	1.410E-02	< 3.980E-08	< 2.600E-07	< 8.320E-07
2STD. ERR		3.484E-02	2.006E-04	2.320E-04	2.834E-04	5.237E-03	.000E+00	.000E+00	.000E+00

2325 LESLIE GROVES-RCHLND-LESLIE GROVES-RCHLND,LESLIE GROVES-RCHLND (PARTICULATE , FILTER1)

OFF DATE	COM	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3
04/01/1997		nra	nra	nra
07/08/1997		nra	nra	nra
09/30/1997		nra	nra	nra
01/06/1998		2.100E-05 (3.990E-06)	8.880E-07 (8.220E-07)	1.880E-05 (3.740E-06)
MEAN		2.100E-05	8.880E-07	1.880E-05
MINIMUM		2.100E-05	8.880E-07	1.880E-05
MAXIMUM		2.100E-05	8.880E-07	1.880E-05
2STD. ERR		.000E+00	.000E+00	.000E+00

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.
nra - Not routinely analyzed or analyzed on a less frequent basis

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2307 PASCO

OFF DATE	COM	BETA PCI/M3
01/21/1997		4.370E-02
		{ 4.610E-03}
02/04/1997		2.540E-02
		{ 2.990E-03}
02/18/1997		3.610E-02
		{ 3.900E-03}
03/04/1997		1.210E-02
		{ 1.840E-03}
03/18/1997		7.870E-03
		{ 1.440E-03}
04/01/1997		1.040E-02
		{ 1.650E-03}
04/15/1997		1.640E-02
		{ 2.200E-03}
04/29/1997		1.160E-02
		{ 1.770E-03}
05/13/1997		1.530E-02
		{ 2.120E-03}
05/27/1997		1.480E-02
		{ 2.610E-03}
06/10/1997		9.100E-03
		{ 1.950E-03}
06/24/1997		8.670E-03
		{ 1.830E-03}
07/08/1997		1.000E-02
		{ 1.970E-03}
07/24/1997		8.550E-03
		{ 1.720E-03}
08/05/1997		1.950E-02
		{ 3.680E-03}
08/20/1997		1.620E-02
		{ 2.700E-03}
09/03/1997		1.970E-02
		{ 3.210E-03}
09/17/1997		2.030E-02
		{ 3.280E-03}

2308 KENNEWICK-ELY STREET

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/22/1997		6.030E-04	3.820E-02
		{ 3.200E-04}	{ 4.080E-03}
02/05/1997		6.080E-04	2.110E-02
		{ 3.110E-04}	{ 2.650E-03}
02/19/1997		8.640E-04	2.980E-02
		{ 3.730E-04}	{ 3.560E-03}
03/05/1997		7.370E-04	1.120E-02
		{ 3.470E-04}	{ 1.790E-03}
03/19/1997		2.870E-04	9.540E-03
		{ 2.560E-04}	{ 1.630E-03}
04/02/1997	<	9.800E-05	9.950E-03
		{ 1.960E-04}	{ 1.640E-03}
04/16/1997		1.000E-03	1.610E-02
		{ 3.890E-04}	{ 2.220E-03}
04/30/1997		2.840E-04	8.980E-03
		{ 2.440E-04}	{ 1.540E-03}
05/14/1997		4.870E-04	1.290E-02
		{ 2.540E-04}	{ 1.800E-03}
05/28/1997	<	3.910E-04	1.260E-02
		{ 6.340E-04}	{ 2.390E-03}
06/11/1997	<	-2.910E-05	9.650E-03
		{ 4.700E-04}	{ 1.930E-03}
06/25/1997		7.200E-04	7.690E-03
		{ 5.130E-04}	{ 1.670E-03}
07/09/1997		4.810E-04	9.480E-03
		{ 4.130E-04}	{ 1.880E-03}
07/22/1997		5.830E-04	1.390E-02
		{ 5.010E-04}	{ 2.510E-03}
08/06/1997		1.090E-03	1.700E-02
		{ 5.630E-04}	{ 2.780E-03}
08/20/1997	<	4.830E-04	1.530E-02
		{ 5.150E-04}	{ 2.640E-03}
09/03/1997	<	4.330E-04	1.660E-02
		{ 5.270E-04}	{ 2.810E-03}
09/17/1997		9.320E-04	1.690E-02
		{ 6.090E-04}	{ 2.850E-03}

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2307 PASCO

OFF DATE	COM	BETA PCI/M3
10/01/1997		2.410E-02
		{ 3.800E-03}
10/15/1997		1.210E-02
		{ 2.230E-03}
10/29/1997		2.560E-02
		{ 4.470E-03}
11/11/1997		2.030E-002
		{ 3.350E-03}
11/25/1997		3.830E-02
		{ 5.590E-03}
12/09/1997		2.790E-02
		{ 4.300E-03}
12/23/1997		2.030E-02
		{ 3.290E-03}
01/06/1998		1.600E-02
		{ 2.740E-03}
MEAN		1.886E-02
MINIMUM		7.870E-03
MAXIMUM		4.370E-02
2STD. ERR		3.736E-03

2308 KENNEWICK-ELY STREET

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
10/01/1997		1.060E-03	2.170E-02
		{ 7.150E-04}	{ 3.510E-03}
10/15/1997		8.480E-04	1.430E-02
		{ 5.640E-04}	{ 2.530E-03}
10/29/1997		1.070E-03	2.750E-02
		{ 9.440E-04}	{ 4.720E-03}
11/12/1997		1.230E-03	2.250E-02
		{ 6.720E-04}	{ 3.590E-03}
11/25/1997		1.460E-03	3.580E-02
		{ 9.720E-04}	{ 5.330E-03}
12/10/1997	<	5.300E-04	2.620E-02
		{ 6.720E-04}	{ 3.970E-03}
12/26/1997	<	3.660E-04	2.290E-02
		{ 5.450E-04}	{ 3.580E-03}
01/07/1998	<	4.350E-04	1.490E-02
		{ 5.100E-04}	{ 2.710E-03}
MEAN		6.558E-04	1.780E-02
MINIMUM	<	-2.910E-05	7.690E-03
MAXIMUM		1.460E-03	3.820E-02
2STD. ERR		1.405E-04	3.245E-03

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2305 TRI CITIES-PASCO,KENNEWICK-ELY STREET (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU-239/240 PCI/M3	SR-90 PCI/M3
04/02/1997		1.580E-01	3.320E-04	< -2.530E-04	< 1.480E-04	3.470E-02	nra	nra	nra
		{ 2.360E-02}	{ 2.370E-04}	{ 3.160E-04}	{ 3.290E-04}	{ 8.920E-03}			
07/09/1997		1.890E-01	< 1.060E-04	< -7.370E-05	< -5.600E-04	< 5.160E-03	nra	nra	nra
		{ 2.940E-02}	{ 2.500E-04}	{ 3.120E-04}	{ 3.100E-04}	{ 6.400E-03}			
10/01/1997		1.970E-01	< 2.050E-04	< 1.640E-04	3.950E-04	< 1.920E-03	nra	nra	nra
		{ 3.000E-02}	{ 4.600E-04}	{ 2.860E-04}	{ 3.580E-04}	{ 8.470E-03}			
01/07/1998		1.120E-01	< -3.500E-04	3.130E-04	< 1.820E-04	1.280E-02	< 1.240E-07	2.810E-07	< 5.310E-07
		{ 2.160E-02}	{ 4.490E-04}	{ 2.890E-04}	{ 2.820E-04}	{ 5.890E-03}	{ 1.570E-07}	{ 2.010E-07}	{ 5.150E-06}
MEAN		1.640E-01	7.325E-05	3.758E-05	4.125E-05	1.365E-02	1.240E-07	2.810E-07	5.310E-07
MINIMUM		1.120E-01	< -3.500E-04	< -2.530E-04	< -5.600E-04	< 1.920E-03	< 1.240E-07	2.810E-07	< 5.310E-07
MAXIMUM		1.970E-01	3.320E-04	3.130E-04	3.950E-04	3.470E-02	< 1.240E-07	2.810E-07	< 5.310E-07
2STD. ERR		3.853E-02	2.969E-04	2.508E-04	4.155E-04	1.476E-02	.000E+00	.000E+00	.000E+00

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
nra - Not routinely analyzed or analyzed on a less frequent basis

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2309 BENTON CITY

OFF DATE	COM	BETA PCI/M3
01/15/1997		1.470E-02
		{ 2.030E-03}
01/29/1997		3.750E-02
		{ 4.160E-03}
02/12/1997		3.920E-02
		{ 4.470E-03}
02/26/1997		1.100E-02
		{ 1.770E-03}
03/12/1997		5.550E-03
		{ 1.260E-03}
03/26/1997		1.250E-02
		{ 1.890E-03}
04/09/1997		9.280E-03
		{ 1.550E-03}
04/23/1997		1.530E-02
		{ 2.090E-03}
05/07/1997		9.100E-03
		{ 1.530E-03}
05/21/1997		1.380E-02
		{ 2.490E-03}
06/04/1997		1.100E-02
		{ 2.110E-03}
06/18/1997		1.190E-02
		{ 2.220E-03}
06/29/1997		7.090E-03
		{ 1.830E-03}
07/16/1997		9.980E-03
		{ 1.850E-03}
07/30/1997		1.670E-02
		{ 2.840E-03}
08/13/1997		1.780E-02
		{ 2.960E-03}
08/27/1997		1.320E-02
		{ 2.380E-03}
09/10/1997		1.930E-02
		{ 3.170E-03}

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2309 BENTON CITY

OFF DATE	COM	BETA PCI/M3
09/24/1997		1.650E-02
		(2.820E-03)
10/08/1997		1.440E-02
		(2.520E-03)
10/22/1997		2.010E-02
		(3.240E-03)
11/05/1997		1.490E-02
		(2.580E-03)
11/19/1997		4.290E-02
		(6.250E-03)
12/03/1997		1.360E-02
		(2.420E-03)
12/17/1997		4.050E-02
		(5.910E-03)
12/30/1997		1.650E-02
		(2.860E-03)
MEAN		1.747E-02
MINIMUM		5.550E-03
MAXIMUM		4.290E-02
2STD. ERR		4.092E-03

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.
NR - No result reported.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2775 BENTON CITY-BENTON CITY (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3
12/30/1997		3.180E-01	< -2.540E-04	3.080E-04	< -5.300E-05	3.920E-03
		(6.400E-02)	(1.990E-04)	(1.540E-04)	(1.610E-04)	(3.640E-03)

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2331 EDWIN MARKHAM SCHOOL

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/22/1997		7.820E-04	4.040E-02
		{ 3.600E-04}	{ 4.420E-03}
02/05/1997		7.010E-04	2.520E-02
		{ 3.540E-04}	{ 2.970E-03}
02/19/1997		6.240E-04	3.630E-02
		{ 3.470E-04}	{ 4.000E-03}
03/05/1997		3.360E-04	9.900E-03
		{ 2.760E-04}	{ 1.600E-03}
03/19/1997		3.410E-04	1.010E-02
		{ 2.600E-04}	{ 1.650E-03}
04/02/1997		2.540E-04	8.460E-03
		{ 2.220E-04}	{ 1.460E-03}
04/16/1997		4.600E-04	1.360E-02
		{ 2.970E-04}	{ 1.970E-03}
04/30/1997		5.630E-04	1.110E-02
		{ 3.030E-04}	{ 1.740E-03}
05/14/1997		7.170E-04	1.440E-02
		{ 3.570E-04}	{ 2.110E-03}
05/28/1997		< 5.250E-04	1.210E-02
		{ 6.060E-04}	{ 2.250E-03}
06/11/1997		< 4.440E-05	1.040E-02
		{ 5.150E-04}	{ 2.080E-03}
06/25/1997		7.500E-04	8.020E-03
		{ 5.350E-04}	{ 1.740E-03}
07/09/1997		5.150E-04	9.790E-03
		{ 4.930E-04}	{ 1.930E-03}
07/22/1997		< 1.160E-04	1.160E-02
		{ 4.410E-04}	{ 2.220E-03}
08/06/1997		5.720E-04	1.630E-02
		{ 5.310E-04}	{ 2.730E-03}
08/20/1997		< 4.580E-04	1.500E-02
		{ 4.730E-04}	{ 2.610E-03}
09/03/1997		< 5.620E-04	1.760E-02
		{ 5.640E-04}	{ 2.950E-03}
09/17/1997		7.810E-04	1.660E-02
		{ 5.860E-04}	{ 2.820E-03}

2331 EDWIN MARKHAM SCHOOL

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
10/01/1997		6.940E-04	2.350E-02
		{ 6.130E-04}	{ 3.700E-03}
10/15/1997		1.030E-03	1.140E-02
		{ 5.250E-04}	{ 2.130E-03}
10/29/1997	<	4.940E-04	2.150E-02
		{ 8.060E-04}	{ 3.940E-03}
11/12/1997		6.250E-04	1.830E-02
		{ 5.390E-04}	{ 3.050E-03}
11/25/1997		1.170E-03	3.380E-02
		{ 8.970E-04}	{ 5.030E-03}
12/10/1997	<	6.250E-04	2.670E-02
		{ 7.110E-04}	{ 4.070E-03}
12/24/1997	<	3.220E-04	1.720E-02
		{ 5.350E-04}	{ 2.930E-03}
01/07/1998	<	1.320E-04	1.110E-02
		{ 3.550E-04}	{ 2.060E-03}
MEAN		5.459E-04	1.732E-02
MINIMUM	<	4.440E-05	8.020E-03
MAXIMUM		1.170E-03	4.040E-02
2STD. ERR		1.029E-04	3.464E-03

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2329 EDWIN MARKHAM SCHOOL-EDWIN MARKHAM SCHOOL (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU-239/240 PCI/M3	SR-90 PCI/M3
04/02/1997		1.440E-01	< -4.190E-04	< 4.450E-04	5.020E-04	< 1.170E-02	nra	nra	nra
		{ 3.070E-02}	{ 6.740E-04}	{ 4.790E-04}	{ 4.850E-04}	{ 1.360E-02}			
07/09/1997		1.560E-01	7.990E-04	< -2.910E-04	< -1.450E-04	3.060E-02	nra	nra	nra
		{ 3.280E-02}	{ 5.570E-04}	{ 4.940E-04}	{ 5.180E-04}	{ 1.010E-02}			
10/01/1997		1.750E-01	< 4.440E-04	< -2.710E-04	< 4.160E-04	< 1.580E-02	nra	nra	nra
		{ 4.060E-02}	{ 5.370E-04}	{ 5.280E-04}	{ 4.820E-04}	{ 1.730E-02}			
01/07/1998		9.720E-02	< -2.430E-04	< -2.510E-04	< 1.650E-04	< 2.910E-03	< 9.640E-08	6.700E-07	< -3.120E-06
		{ 2.540E-02}	{ 4.540E-04}	{ 4.720E-04}	{ 4.160E-04}	{ 9.940E-03}	{ 4.570E-07}	{ 6.540E-07}	{ 1.600E-05}
MEAN		1.431E-01	1.453E-04	-9.200E-05	2.345E-04	1.525E-02	9.640E-08	6.700E-07	-3.120E-06
MINIMUM		9.720E-02	< -4.190E-04	< -2.910E-04	< -1.450E-04	< 2.910E-03	< 9.640E-08	6.700E-07	< -3.120E-06
MAXIMUM		1.750E-01	7.990E-04	< 4.450E-04	5.020E-04	3.060E-02	< 9.640E-08	6.700E-07	< -3.120E-06
2STD. ERR		3.312E-02	5.732E-04	3.584E-04	2.906E-04	1.156E-02	.000E+00	.000E+00	.000E+00

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2329 EDWIN MARKHAM SCHOOL-EDWIN MARKHAM SCHOOL (PARTICULATE , FILTER1)

OFF DATE	COM	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3
04/02/1997		nra	nra	nra
07/09/1997		nra	nra	nra
10/01/1997		nra	nra	nra
01/07/1998		3.140E-05	1.590E-06	3.440E-05
		{ 6.810E-06}	{ 1.550E-06}	{ 7.220E-06}
MEAN		3.140E-05	1.590E-06	3.440E-05
MINIMUM		3.140E-05	1.590E-06	3.440E-05
MAXIMUM		3.140E-05	1.590E-06	3.440E-05
2STD. ERR		.000E+00	.000E+00	.000E+00

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
nra - Not routinely analyzed or analyzed on a less frequent basis

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2311 MATTAWA

OFF DATE	COM	BETA PCI/M3
01/20/1997		3.520E-02
		{ 3.860E-03}
02/03/1997		2.360E-02
		{ 2.940E-03}
02/20/1997		1.980E-02
		{ 2.320E-03}
03/03/1997		6.420E-03
		{ 1.370E-03}
03/17/1997		7.830E-03
		{ 1.490E-03}
03/31/1997		9.170E-03
		{ 1.610E-03}
04/14/1997		1.290E-02
		{ 1.950E-03}
04/28/1997		1.420E-02
		{ 2.960E-03}
05/12/1997		1.050E-02
		{ 1.730E-03}
05/26/1997		1.240E-02
		{ 2.320E-03}
06/09/1997		9.610E-03
		{ 1.930E-03}
06/25/1997		8.160E-03
		{ 1.690E-03}
07/15/1997		9.260E-03
		{ 1.710E-03}
07/21/1997		1.610E-02
		{ 3.590E-03}
08/04/1997		1.280E-02
		{ 2.330E-03}
08/18/1997		1.600E-02
		{ 2.750E-03}
09/02/1997		1.380E-02
		{ 2.410E-03}
09/15/1997		1.680E-02
		{ 2.870E-03}

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2311 MATTAWA

OFF DATE	COM	BETA PCI/M3
09/29/1997		1.840E-02
		(3.050E-03)
10/14/1997		9.370E-03
		(1.850E-03)
10/27/1997		1.960E-02
		(3.720E-03)
11/10/1997		2.030E-02
		(3.300E-03)
11/24/1997		3.850E-02
		(5.650E-03)
12/08/1997		2.710E-02
		(4.180E-03)
12/24/1997		2.220E-02
		(3.490E-03)
01/05/1998		1.460E-02
		(2.650E-03)
MEAN		1.633E-02
MINIMUM		6.420E-03
MAXIMUM		3.850E-02
2STD. ERR		3.151E-03

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2776 MATTAWA-MATTAWA (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3
01/05/1998		2.720E-01	< -3.280E-05	< -6.510E-05	< 4.610E-05	1.020E-02
		{ 6.370E-02}	{ 1.930E-04}	{ 1.700E-04}	{ 1.670E-04}	{ 3.800E-03}

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2767 OTHELLO

OFF DATE	COM	BETA PCI/M3
01/21/1997		3.790E-02
		(4.290E-03)
02/03/1997		2.500E-02
		(3.020E-03)
02/18/1997		3.510E-02
		(3.800E-03)
03/04/1997		8.160E-03
		(1.490E-03)
03/17/1997		8.190E-03
		(1.560E-03)
03/31/1997		1.030E-02
		(1.630E-03)
04/15/1997		1.380E-02
		(1.930E-03)
04/28/1997		9.930E-03
		(1.710E-03)
05/16/1997		1.140E-02
		(2.010E-03)
05/27/1997		1.020E-02
		(2.210E-03)
06/09/1997		1.030E-02
		(2.120E-03)
06/23/1997		9.580E-03
		(1.930E-03)
07/08/1997		7.770E-03
		(1.650E-03)
07/21/1997		1.060E-02
		(2.100E-03)
08/04/1997		1.680E-02
		(2.850E-03)
08/18/1997		1.380E-02
		(2.460E-03)
09/02/1997		1.780E-02
		(2.930E-03)
09/15/1997		1.900E-02
		(3.180E-03)

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2767 OTHELLO

OFF DATE	COM	BETA PCI/M3
09/29/1997		1.960E-02
		{ 3.230E-03}
10/13/1997		1.070E-02
		{ 2.060E-03}
10/27/1997		2.340E-02
		{ 4.110E-03}
11/10/1997		1.830E-02
		{ 3.030E-03}
11/24/1997		3.770E-02
		{ 5.530E-03}
12/08/1997		2.640E-02
		{ 4.080E-03}
12/22/1997		2.050E-02
		{ 3.320E-03}
01/05/1998		1.440E-02
		{ 2.540E-03}
MEAN		1.718E-02
MINIMUM		7.770E-03
MAXIMUM		3.790E-02
2STD. ERR		3.536E-03

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2777 OTHELLO-OTHELLO (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3
01/05/1998		2.120E-01	< -2.290E-04	< -1.400E-04	< -1.790E-05	1.080E-02
		{ 5.340E-02}	{ 2.170E-04}	{ 1.800E-04}	{ 1.000E-04}	{ 3.360E-03}

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2319 YAKIMA

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/20/1997		1.930E-04	6.940E-03
		(1.430E-04)	(9.980E-04)
01/30/1997		3.820E-04	1.410E-02
		(3.310E-04)	(2.260E-03)
02/18/1997		2.040E-04	9.240E-03
		(1.330E-04)	(1.180E-03)
02/28/1997		< 2.310E-05	4.380E-03
		(2.100E-04)	(1.230E-03)
03/13/1997		< 5.940E-05	2.750E-03
		(1.700E-04)	(9.750E-04)
03/26/1997		2.870E-04	5.350E-03
		(2.470E-04)	(1.220E-03)
04/10/1997		< 9.030E-05	6.260E-03
		(1.860E-04)	(1.230E-03)
04/24/1997		4.610E-04	7.350E-03
		(2.520E-04)	(1.220E-03)
05/08/1997		< 1.770E-04	3.980E-03
		(2.590E-04)	(1.090E-03)
05/22/1997		8.650E-04	9.230E-03
		(5.560E-04)	(1.840E-03)
06/05/1997		< 5.050E-05	6.780E-03
		(4.530E-04)	(1.630E-03)
06/19/1997	1	NR	NR
06/30/1997	2	< 1.820E-04	6.190E-03
		(3.210E-04)	(1.260E-03)
07/18/1997		5.320E-04	7.260E-03
		(4.220E-04)	(1.570E-03)
07/31/1997		< 3.330E-04	1.620E-02
		(4.840E-04)	(2.820E-03)
08/14/1997		5.510E-04	1.370E-02
		(5.080E-04)	(2.440E-03)
08/28/1997		9.420E-04	1.310E-02
		(5.300E-04)	(2.390E-03)
09/12/1997		1.440E-03	2.500E-02
		(7.360E-04)	(3.920E-03)

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2319 YAKIMA

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/25/1997	<	4.500E-04	1.560E-02
	{	5.390E-04}	{ 2.730E-03}
10/10/1997		7.920E-04	1.070E-02
	{	5.070E-04}	{ 2.060E-03}
10/24/1997	<	3.680E-04	1.780E-02
	{	4.700E-04}	{ 2.920E-03}
11/06/1997	<	8.100E-06	1.120E-03
	{	2.520E-04}	{ 8.820E-04}
11/20/1997		8.370E-04	2.500E-02
	{	7.330E-04}	{ 3.960E-03}
12/04/1997		4.460E-04	8.930E-03
	{	4.260E-04}	{ 1.810E-03}
12/17/1997		1.080E-03	3.190E-02
	{	7.820E-04}	{ 4.840E-03}
01/02/1998		4.290E-04	9.490E-03
	{	3.930E-04}	{ 1.780E-03}
MEAN		4.473E-04	1.113E-02
MINIMUM	<	8.100E-06	1.120E-03
MAXIMUM		1.440E-03	3.190E-02
2STD. ERR		1.465E-04	3.005E-03

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE. SAMPLE NOT CHANGED ON 6/19/97 BUT WILL RUN TIL 6/30/97.
2 UNABLE TO CHANGE SAMPLE ON 6/19/97 SO RAN LONG AND COLLECTED ON 6/30/97.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2317 YAKIMA-YAKIMA (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU-239/240 PCI/M3	SR-90 PCI/M3
04/10/1997		6.020E-02	< 1.150E-04	< 3.960E-05	< 1.930E-04	1.370E-02	nra	nra	nra
		{ 1.530E-02}	{ 3.350E-04}	{ 3.820E-04}	{ 3.440E-04}	{ 8.760E-03}			
06/30/1997		1.050E-01	< 9.890E-05	< 3.050E-04	< -1.100E-04	< 8.640E-03	nra	nra	nra
		{ 3.530E-02}	{ 6.050E-04}	{ 5.370E-04}	{ 6.440E-04}	{ 1.720E-02}			
10/10/1997		1.920E-01	< 4.700E-04	< -9.200E-05	< 2.300E-04	3.760E-02	nra	nra	nra
		{ 3.250E-02}	{ 4.880E-04}	{ 5.240E-04}	{ 4.800E-04}	{ 1.060E-02}			
01/02/1998		7.360E-02	< -1.350E-04	< 1.530E-04	< 6.930E-05	6.400E-02	< -7.630E-08	< -3.040E-07	< -3.110E-06
		{ 2.350E-02}	{ 4.990E-04}	{ 3.930E-04}	{ 3.930E-04}	{ 1.260E-02}	{ 6.180E-07}	{ 7.010E-07}	{ 1.630E-05}
MEAN		1.077E-01	1.372E-04	1.014E-04	9.558E-05	3.099E-02	-7.630E-08	-3.040E-07	-3.110E-06
MINIMUM		6.020E-02	< -1.350E-04	< -9.200E-05	< -1.100E-04	< 8.640E-03	< -7.630E-08	< -3.040E-07	< -3.110E-06
MAXIMUM		1.920E-01	< 4.700E-04	< 3.050E-04	< 2.300E-04	6.400E-02	< -7.630E-08	< -3.040E-07	< -3.110E-06
2STD. ERR		5.925E-02	2.495E-04	1.687E-04	1.533E-04	2.538E-02	.000E+00	.000E+00	.000E+00

2317 YAKIMA-YAKIMA (PARTICULATE , FILTER1)

OFF DATE	COM	U-234 PCI/M3		U-235 PCI/M3	U-238 PCI/M3
04/10/1997		nra		nra	nra
06/30/1997		nra		nra	nra
10/10/1997		nra		nra	nra
01/02/1998		2.030E-05	<	3.240E-07	1.740E-05
		{ 5.170E-06}		{ 1.120E-06}	{ 4.740E-06}
MEAN		2.030E-05		3.240E-07	1.740E-05
MINIMUM		2.030E-05	<	3.240E-07	1.740E-05
MAXIMUM		2.030E-05	<	3.240E-07	1.740E-05
2STD. ERR		.000E+00		.000E+00	.000E+00

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
nra - Not routinely analyzed or analyzed on a less frequent basis

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2825 TOPPENISH

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/15/1997		2.740E-04	1.190E-02
		{ 2.630E-04}	{ 1.750E-03}
01/29/1997		6.840E-04	3.650E-02
		{ 3.550E-04}	{ 4.220E-03}
02/12/1997		8.810E-04	3.220E-02
		{ 3.880E-04}	{ 3.610E-03}
02/26/1997		2.980E-04	7.440E-03
		{ 2.550E-04}	{ 1.410E-03}
03/12/1997		< -3.420E-05	5.020E-03
		{ 1.450E-04}	{ 1.150E-03}
03/25/1997		5.620E-04	1.010E-02
		{ 3.230E-04}	{ 1.730E-03}
04/09/1997		2.450E-04	9.490E-03
		{ 2.270E-04}	{ 1.520E-03}
04/23/1997		8.410E-04	1.410E-02
		{ 3.720E-04}	{ 2.020E-03}
05/07/1997		2.950E-04	7.000E-03
		{ 2.630E-04}	{ 1.360E-03}
05/21/1997		< 2.580E-04	1.380E-02
		{ 5.860E-04}	{ 2.490E-03}
06/04/1997		< 3.740E-04	7.810E-03
		{ 5.060E-04}	{ 1.720E-03}
06/18/1997		6.130E-04	8.310E-03
		{ 5.180E-04}	{ 1.770E-03}
06/27/1997		< -8.640E-05	6.020E-03
		{ 5.040E-04}	{ 1.880E-03}
07/16/1997		< 6.170E-05	7.730E-03
		{ 2.870E-04}	{ 1.530E-03}
07/30/1997		1.070E-03	1.550E-02
		{ 6.110E-04}	{ 2.690E-03}
08/13/1997		5.670E-04	1.600E-02
		{ 5.400E-04}	{ 2.730E-03}
08/27/1997		6.540E-04	1.350E-02
		{ 5.220E-04}	{ 2.440E-03}
09/10/1997		5.620E-04	1.600E-02
		{ 5.320E-04}	{ 2.680E-03}

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - PARTICULATE FILTER

2825 TOPPENISH

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/24/1997		< 3.530E-04	1.470E-02
		{ 4.880E-04}	{ 2.580E-03}
10/08/1997		5.500E-04	1.380E-02
		{ 5.120E-04}	{ 2.520E-03}
10/22/1997		< 2.970E-04	1.680E-02
		{ 5.160E-04}	{ 2.820E-03}
11/05/1997		6.260E-04	1.480E-02
		{ 5.320E-04}	{ 2.590E-03}
11/19/1997		9.440E-04	3.320E-02
		{ 7.700E-04}	{ 4.960E-03}
12/03/1997		< 3.310E-04	1.060E-02
		{ 3.980E-04}	{ 2.060E-03}
12/17/1997		2.340E-03	3.540E-02
		{ 1.040E-03}	{ 5.250E-03}
01/02/1998	1	NR	NR
MEAN		5.424E-04	1.511E-02
MINIMUM		< -8.640E-05	5.020E-03
MAXIMUM		2.340E-03	3.650E-02
2STD. ERR		1.899E-04	3.698E-03

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE. SAMPLE COLLECTED BUT LOST ENROUTE TO LAB.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2823 TOPPENISH-TOPPENISH (PARTICULATE , FILTER1)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU-239/240 PCI/M3	SR-90 PCI/M3
04/09/1997		1.050E-01	< -4.440E-05	< 2.270E-04	< -6.030E-04	< 3.390E-03	nra	nra	nra
		{ 2.320E-02}	{ 5.100E-04}	{ 3.950E-04}	{ 5.340E-04}	{ 1.140E-02}			
06/27/1997		1.210E-01	< 4.150E-05	< -6.070E-04	< -4.080E-04	3.560E-02	nra	nra	nra
		{ 3.370E-02}	{ 8.390E-04}	{ 5.500E-04}	{ 6.970E-04}	{ 1.490E-02}			
10/08/1997		1.210E-01	< 3.730E-04	< -9.700E-06	< 4.390E-05	4.530E-02	nra	nra	nra
		{ 3.200E-02}	{ 5.500E-04}	{ 4.360E-04}	{ 5.290E-04}	{ 1.250E-02}			
01/02/1998		9.460E-02	6.450E-04	< 8.420E-05	< 3.670E-04	3.570E-02	< 8.580E-08	< -1.470E-07	< -7.440E-06
		{ 2.480E-02}	{ 4.920E-04}	{ 6.240E-04}	{ 7.050E-04}	{ 1.490E-02}	{ 6.430E-07}	{ 4.260E-07}	{ 1.590E-05}
MEAN		1.104E-01	2.538E-04	-7.638E-05	-1.500E-04	3.000E-02	8.580E-08	-1.470E-07	-7.440E-06
MINIMUM		9.460E-02	< -4.440E-05	< -6.070E-04	< -6.030E-04	< 3.390E-03	< 8.580E-08	< -1.470E-07	< -7.440E-06
MAXIMUM		1.210E-01	6.450E-04	< 2.270E-04	< 3.670E-04	4.530E-02	< 8.580E-08	< -1.470E-07	< -7.440E-06
2STD. ERR		1.296E-02	3.169E-04	3.669E-04	4.384E-04	1.831E-02	.000E+00	.000E+00	.000E+00

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1997 TO 01/09/1998
AIR - COMPOSITED SAMPLES

2823 TOPPENISH-TOPPENISH (PARTICULATE , FILTER1)

OFF DATE	COM	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3
04/09/1997		nra	nra	nra
06/27/1997		nra	nra	nra
10/08/1997		nra	nra	nra
01/02/1998		2.100E-05	< -1.580E-08	1.750E-05
		{ 5.560E-06}	{ 6.450E-07}	{ 5.070E-06}
MEAN		2.100E-05	-1.580E-08	1.750E-05
MINIMUM		2.100E-05	< -1.580E-08	1.750E-05
MAXIMUM		2.100E-05	< -1.580E-08	1.750E-05
2STD. ERR		.000E+00	.000E+00	.000E+00

< - Result less than 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
nra - Not routinely analyzed or analyzed on a less frequent basis

2200 200 ESE (GAS , CHARCOAL_CARTRIDGE)

OFF DATE	COM	I-129 PCI/M3
04/04/1997		1.337E-05
		{ 1.069E-06}
06/24/1997		1.680E-05
		{ 1.176E-06}
10/14/1997		3.087E-05
		{ 2.470E-06}
01/06/1998		3.179E-05
		{ 2.861E-06}
MEAN		2.321E-05
MINIMUM		1.337E-05
MAXIMUM		3.179E-05
2STD. ERR		9.490E-06

2202 RINGOLD MET TOWER (GAS , CHARCOAL_CARTRIDGE)

OFF DATE	COM	I-129 PCI/M3
04/17/1997		2.720E-07
		{ 3.318E-08}
07/21/1997		3.600E-07
		{ 3.168E-08}
10/02/1997		4.660E-07
		{ 3.728E-08}
12/26/1997		4.910E-07
		{ 3.732E-08}
MEAN		3.973E-07
MINIMUM		2.720E-07
MAXIMUM		4.910E-07
2STD. ERR		1.010E-07

{ } - Total Propagated Analytical Uncertainty.

2204 BYERS LANDING (GAS , CHARCOAL_CARTRIDGE)

OFF DATE	COM	I-129 PCI/M3
04/17/1997		6.830E-07
		{ 4.918E-08}
07/21/1997		6.590E-07
		{ 3.295E-08}
10/02/1997		1.190E-06
		{ 5.712E-08}
12/26/1997		1.060E-06
		{ 1.018E-07}
MEAN		8.980E-07
MINIMUM		6.590E-07
MAXIMUM		1.190E-06
2STD. ERR		2.676E-07

2206 YAKIMA (GAS , CHARCOAL_CARTRIDGE)

OFF DATE	COM	I-129 PCI/M3
03/26/1997		3.200E-08
		{ 3.320E-09}
07/18/1997		2.200E-08
		{ 2.860E-09}
10/10/1997		4.000E-08
		{ 5.680E-09}
01/05/1998		7.800E-08
		{ 8.268E-09}
MEAN		4.300E-08
MINIMUM		2.200E-08
MAXIMUM		7.800E-08
2STD. ERR		2.447E-08

{ } - Total Propagated Analytical Uncertainty.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/07/1997 TO 01/15/1998
AIR - GASES AND VAPOR

2208 100 K AREA (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM		TRITIUM PCI/M3
01/28/1997		<	3.230E-01
		(	7.770E-01)
02/25/1997		<	1.270E-01
		(	6.230E-01)
03/24/1997			8.040E-02
		(	7.950E-02)
04/22/1997			9.830E-01
		(	7.280E-01)
05/20/1997		<	2.290E-02
		(	1.830E-01)
06/17/1997		<	2.290E-01
		(	2.580E-01)
07/16/1997		<	4.110E-01
		(	1.270E+00)
08/12/1997			2.210E+00
		(	1.370E+00)
09/09/1997		<	1.480E+00
		(	1.760E+00)
10/07/1997		<	5.680E-01
		(	1.350E+00)
11/03/1997		<	3.330E-01
		(	1.010E+00)
12/02/1997			8.620E-01
		(	8.440E-01)
12/30/1997	1	<	4.930E-01
		(	9.010E-01)
MEAN			6.248E-01
MINIMUM		<	2.290E-02
MAXIMUM			2.210E+00
2STD. ERR			3.484E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.
1 LOW EXPOSURE HOURS, ASSUMED 0.4 CFH END FLOW.

2209 100 N-1325 CRIB (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM PCI/M3
02/25/1997	<	1.250E-01
	{	1.140E+00}
03/24/1997	<	7.220E-01
	{	8.860E-01}
04/22/1997	<	7.540E-01
	{	8.870E-01}
05/20/1997	<	1.620E-01
	{	1.910E-01}
06/17/1997	<	1.320E-01
	{	3.670E-01}
07/16/1997	<	.000E+00
	{	1.480E+00}
08/12/1997	<	1.910E-01
	{	1.300E+00}
09/09/1997		1.610E+00
	{	1.580E+00}
10/07/1997	<	6.470E-01
	{	1.370E+00}
11/03/1997	<	1.050E-02
	{	9.340E-01}
12/02/1997		1.280E+00
	{	9.800E-01}
12/30/1997	<	8.710E-01
	{	1.500E+00}
MEAN		5.420E-01
MINIMUM	<	.000E+00
MAXIMUM		1.610E+00
2STD. ERR		3.049E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/07/1997 TO 01/15/1998
AIR - GASES AND VAPOR

2210 200 ESE (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM PCI/M3
01/21/1997		5.380E-01
		{ 4.040E-01}
02/24/1997		< 5.040E-01
		{ 6.410E-01}
03/18/1997		< 2.260E-01
		{ 2.430E-01}
04/15/1997		< 4.330E-02
		{ 2.210E-01}
05/13/1997		1.840E-01
		{ 1.720E-01}
06/10/1997		4.530E-01
		{ 2.390E-01}
07/14/1997		3.140E-01
		{ 2.790E-01}
08/04/1997		< 6.730E-01
		{ 1.160E+00}
09/02/1997		2.420E+00
		{ 1.630E+00}
09/30/1997	1	NR
10/28/1997		< 7.680E-01
		{ 1.180E+00}
11/24/1997		7.760E-01
		{ 4.810E-01}
12/22/1997		< 5.760E-01
		{ 6.370E-01}
MEAN		6.229E-01
MINIMUM		< 4.330E-02
MAXIMUM		2.420E+00
2STD. ERR		3.529E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE. KINK IN HOSE, NO COLOR CHANGE.

2211 200 TEL. EXCHANGE (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM PCI/M3
01/21/1997		< 5.180E-01
		{ 6.550E-01}
02/24/1997		< 3.590E-01
		{ 6.300E-01}
03/18/1997		< 5.820E-01
		{ 6.670E-01}
04/15/1997		< 7.340E-02
		{ 2.240E-01}
05/13/1997		< 2.540E-01
		{ 2.570E-01}
06/10/1997		2.190E-01
		{ 1.970E-01}
07/14/1997		< 5.900E-02
		{ 1.630E-01}
08/04/1997		< 1.040E+00
		{ 1.490E+00}
09/02/1997		1.990E+00
		{ 1.900E+00}
09/30/1997	1	NR
10/28/1997		1.080E+00
		{ 1.060E+00}
11/24/1997		< 1.170E+00
		{ 1.240E+00}
12/22/1997		< 1.300E-01
		{ 9.520E-01}
MEAN		6.229E-01
MINIMUM		< 5.900E-02
MAXIMUM		1.990E+00
2STD. ERR		3.391E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE. NO COLOR CHANGE.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/07/1997 TO 01/15/1998
AIR - GASES AND VAPOR

2212 300 SOUTH GATE (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM PCI/M3
01/29/1997	1	NR
02/26/1997		< 3.360E-01
		(5.950E-01)
03/25/1997		< 1.050E-01
		(1.350E-01)
04/23/1997		< 2.010E-01
		(2.420E-01)
05/21/1997		< -7.840E-02
		(2.560E-01)
06/23/1997	2	NR
07/17/1997		< 2.050E-01
		(9.890E-01)
08/13/1997		1.520E+00
		(1.240E+00)
09/10/1997		2.070E+00
		(1.270E+00)
10/08/1997		< 4.530E-01
		(1.520E+00)
11/05/1997		< -3.220E-01
		(9.680E-01)
12/03/1997		1.340E+00
		(9.650E-01)
12/30/1997		1.080E+00
		(9.630E-01)
MEAN		6.281E-01
MINIMUM		< -3.220E-01
MAXIMUM		2.070E+00
2STD. ERR		4.568E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE. LOW EXPOSURE HOURS AND COLUMNS NOT SATURATED.
2 NO SAMPLE. IMPROPERLY CONNECTED.

2213 300 TRENCH (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM PCI/M3
01/29/1997		< 9.350E-01
		{ 1.030E+00}
02/26/1997	1	NR
03/25/1997		< -3.450E-03
		{ 8.480E-01}
04/23/1997		< 1.240E-01
		{ 1.320E-01}
05/21/1997		< 3.440E-02
		{ 1.990E-01}
06/23/1997	2	NR
07/17/1997		< 4.690E-01
		{ 1.030E+00}
08/13/1997		4.170E+00
		{ 1.810E+00}
09/10/1997		1.630E+00
		{ 1.550E+00}
10/08/1997		< 6.390E-01
		{ 1.530E+00}
11/03/1997		< -3.650E-03
		{ 9.740E-01}
12/03/1997		1.150E+00
		{ 9.850E-01}
12/30/1997		< 1.640E-01
		{ 3.100E-01}
MEAN		8.462E-01
MINIMUM		< -3.650E-03
MAXIMUM		4.170E+00
2STD. ERR		7.395E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE. NEW PUMP INSTALLED.
2 NO SAMPLE. IMPROPERLY CONNECTED.

2414 300 TRENCH (WATER VAPOR , SILICA_GEL_HTO)
(Sample 2414 is replicate of sample 2213, 300 TRENCH, refer to page 110)

OFF DATE	COM	TRITIUM PCI/M3
01/29/1997		< 3.330E-01
		{ 7.100E-01}
02/26/1997	1	NR
03/26/1997		1.420E+00
		{ 9.300E-01}
04/23/1997		< -1.770E-02
		{ 7.290E-01}
05/21/1997	2	NR
06/23/1997	3	NR
07/17/1997		2.760E+00
		{ 1.550E+00}
08/13/1997		< 4.810E-01
		{ 1.150E+00}
09/10/1997		< 2.590E-02
		{ 1.740E+00}
10/08/1997		< 8.660E-01
		{ 1.350E+00}
11/03/1997		< 9.110E-01
		{ 1.080E+00}
12/03/1997		< 6.360E-02
		{ 9.250E-01}
12/30/1997		< -2.850E-01
		{ 7.790E-01}
MEAN		6.558E-01
MINIMUM		< -2.850E-01
MAXIMUM		2.760E+00
2STD. ERR		5.712E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE. NEW PUMP INSTALLED.
2 NO SAMPLE. IMPROPERLY CONNECTED.
3 NO SAMPLE. NO COLOR CHANGE.

2215 300 NE (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM PCI/M3
01/29/1997		< 3.950E-01
		{ 6.070E-01}
02/26/1997		< 3.830E-01
		{ 7.340E-01}
03/25/1997		< 3.510E-01
		{ 7.720E-01}
04/23/1997		< 1.410E-01
		{ 6.730E-01}
05/21/1997		< -3.280E-02
		{ 2.490E-01}
06/23/1997		2.360E+00
		{ 1.580E+00}
07/17/1997		< 1.240E+00
		{ 1.380E+00}
08/13/1997		4.940E+00
		{ 1.950E+00}
09/10/1997		< 2.610E-01
		{ 2.700E-01}
10/08/1997		< -1.110E-01
		{ 1.570E+00}
11/03/1997		< 5.560E-01
		{ 8.730E-01}
12/03/1997		< 4.220E-01
		{ 9.870E-01}
12/30/1997		< 8.970E-01
		{ 9.410E-01}
MEAN		9.079E-01
MINIMUM		< -1.110E-01
MAXIMUM		4.940E+00
2STD. ERR		7.615E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

2216 400 E (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM PCI/M3
01/28/1997	<	4.600E-01
	{	7.310E-01}
02/25/1997	<	1.040E+00
	{	1.080E+00}
03/24/1997	<	8.670E-02
	{	1.010E-01}
04/22/1997		8.880E-01
	{	7.260E-01}
05/20/1997	<	4.650E-01
	{	8.150E-01}
06/17/1997	<	1.910E-01
	{	3.790E-01}
07/16/1997	<	1.060E+00
	{	2.510E+00}
08/12/1997	<	1.220E-01
	{	1.450E+00}
09/09/1997		3.130E+00
	{	1.810E+00}
10/07/1997	<	-5.610E-03
	{	1.510E+00}
11/03/1997	<	4.040E-01
	{	1.030E+00}
12/02/1997		1.070E+00
	{	9.810E-01}
12/30/1997	<	1.270E-01
	{	8.840E-01}
MEAN		6.952E-01
MINIMUM	<	-5.610E-03
MAXIMUM		3.130E+00
2STD. ERR		4.618E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

2217 RINGOLD MET TOWER (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM PCI/M3
01/23/1997		< 6.210E-02
		{ 7.850E-01}
02/21/1997		< 1.980E-01
		{ 6.300E-01}
03/20/1997		< 3.070E-01
		{ 6.900E-01}
04/17/1997		< 3.620E-01
		{ 8.570E-01}
05/15/1997		< 7.210E-01
		{ 1.320E+00}
06/12/1997	1	NR
07/15/1997		< -7.930E-01
		{ 2.890E+00}
08/07/1997		< 8.070E-01
		{ 1.590E+00}
09/04/1997		< 1.430E+00
		{ 2.160E+00}
10/02/1997		< 1.040E+00
		{ 1.630E+00}
10/30/1997		< 4.140E-01
		{ 1.320E+00}
11/26/1997		< 7.340E-01
		{ 9.550E-01}
12/26/1997		< 3.360E-01
		{ 9.650E-01}
MEAN		4.682E-01
MINIMUM		< -7.930E-01
MAXIMUM		< 1.430E+00
2STD. ERR		3.204E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported..
1 NO SAMPLE. IMPROPERLY CONNECTED.

2218 DOGWOOD MET TOWER (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM PCI/M3
01/23/1997		< 4.090E-01
		{ 7.550E-01}
02/21/1997		< 1.080E-01
		{ 6.540E-01}
03/20/1997		< 1.580E-02
		{ 1.060E-01}
04/17/1997		< -2.170E-01
		{ 6.540E-01}
05/15/1997		< 3.450E-01
		{ 9.600E-01}
06/12/1997	1	NR
07/15/1997		< 3.720E-01
		{ 1.270E+00}
08/07/1997		2.300E+00
		{ 1.980E+00}
09/04/1997		< 1.800E-01
		{ 1.120E+00}
10/02/1997		< 8.220E-01
		{ 1.800E+00}
10/30/1997		< 5.830E-01
		{ 1.140E+00}
11/26/1997		9.320E-01
		{ 9.100E-01}
12/26/1997		< 2.080E-01
		{ 7.570E-01}
MEAN		5.048E-01
MINIMUM		< -2.170E-01
MAXIMUM		2.300E+00
2STD. ERR		3.764E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE. IMPROPERLY CONNECTED.

2219 BYERS LANDING (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM PCI/M3
02/21/1997		< 4.320E-01
		{ 1.020E+00}
03/20/1997		< 3.070E-01
		{ 4.840E-01}
04/17/1997		< -7.130E-02
		{ 9.050E-01}
05/15/1997	1	NR
06/12/1997	2	NR
07/15/1997		< 7.470E-01
		{ 3.310E+00}
08/07/1997		< 3.670E+00
		{ 5.780E+00}
09/04/1997		< -1.570E-01
		{ 2.600E+00}
10/02/1997		< 7.630E-01
		{ 1.570E+00}
10/30/1997		< 5.740E-01
		{ 6.380E-01}
11/26/1997		< 8.250E-01
		{ 9.470E-01}
12/26/1997		< -7.130E-02
		{ 7.360E-01}
MEAN		7.018E-01
MINIMUM		< -1.570E-01
MAXIMUM		< 3.670E+00
2STD. ERR		6.995E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 SAMPLE VIAL DROPPED AND ENTIRE SAMPLE LOST.
2 NO SAMPLE. IMPROPERLY CONNECTED.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/07/1997 TO 01/15/1998
AIR - GASES AND VAPOR

2220 PROSSER BARRICADE (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM PCI/M3
01/30/1997		< 2.700E-01
		(4.070E-01)
02/28/1997		< 9.590E-02
		(3.090E-01)
03/26/1997		2.490E-01
		(2.430E-01)
04/24/1997		2.450E-01
		(2.170E-01)
05/22/1997		< 1.490E-01
		(2.700E-01)
06/24/1997		3.420E-01
		(2.840E-01)
07/18/1997		< 3.320E-01
		(3.820E-01)
08/14/1997		< 4.360E-01
		(9.300E-01)
09/12/1997		< 7.040E-01
		(8.800E-01)
10/10/1997		< -1.780E-01
		(4.850E-01)
11/06/1997		< 4.330E-03
		(1.350E-02)
12/04/1997		< 8.850E-01
		(9.720E-01)
01/02/1998		< 7.520E-01
		(8.730E-01)
MEAN		3.297E-01
MINIMUM		< -1.780E-01
MAXIMUM		< 8.850E-01
2STD. ERR		1.684E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.

2221 WAHLUKE SLOPE (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM PCI/M3
02/20/1997		< 5.070E-01
		{ 9.090E-01}
03/19/1997		< 3.050E-01
		{ 7.130E-01}
04/18/1997		8.290E-01
		{ 7.310E-01}
05/14/1997		< 1.250E-01
		{ 2.070E-01}
06/11/1997	1	NR
07/15/1997		3.990E-01
		{ 3.910E-01}
08/06/1997		< 5.380E-01
		{ 7.690E-01}
09/03/1997		< 3.510E-01
		{ 3.610E-01}
10/01/1997		< 9.530E-01
		{ 1.500E+00}
10/29/1997		< 1.690E-01
		{ 9.140E-01}
11/25/1997		< 5.570E-01
		{ 1.090E+00}
12/23/1997		< -8.400E-02
		{ 8.350E-01}
MEAN		4.226E-01
MINIMUM		< -8.400E-02
MAXIMUM		< 9.530E-01
2STD. ERR		1.823E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/07/1997 TO 01/15/1998
AIR - GASES AND VAPOR

2222 BASIN CITY SCHOOL (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM PCI/M3
01/22/1997		< 9.530E-01
		{ 9.860E-01}
02/19/1997		< 1.920E-01
		{ 7.570E-01}
03/19/1997		< 3.640E-01
		{ 8.270E-01}
04/16/1997		< -4.740E-01
		{ 1.430E+00}
05/14/1997		< 9.900E-01
		{ 2.210E+00}
06/11/1997		< 8.830E-01
		{ 1.810E+00}
07/09/1997		< 3.730E-01
		{ 2.030E+00}
08/07/1997		2.070E+00
		{ 1.570E+00}
09/03/1997		< 1.050E+00
		{ 1.750E+00}
10/01/1997		< 3.050E-01
		{ 2.110E+00}
10/29/1997		< 6.230E-01
		{ 1.080E+00}
11/25/1997		< 6.300E-01
		{ 1.390E+00}
12/24/1997		< 2.030E-01
		{ 1.090E+00}
MEAN		6.278E-01
MINIMUM		< -4.740E-01
MAXIMUM		2.070E+00
2STD. ERR		3.353E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/07/1997 TO 01/15/1998
AIR - GASES AND VAPOR

2223 LESLIE GROVES-RCHLND (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM PCI/M3
01/21/1997		< 4.930E-01
		{ 6.320E-01}
02/18/1997		< 6.310E-01
		{ 8.020E-01}
03/18/1997		8.240E-01
		{ 7.500E-01}
04/15/1997		< 3.600E-01
		{ 8.990E-01}
05/13/1997		< -1.630E-02
		{ 1.090E+00}
06/10/1997	1	NR
07/08/1997		< 9.420E-01
		{ 1.600E+00}
08/05/1997		1.310E+00
		{ 1.250E+00}
09/02/1997		< 5.570E-02
		{ 1.990E-01}
09/30/1997		< 2.480E-01
		{ 1.380E+00}
10/28/1997		< 1.270E+00
		{ 1.390E+00}
11/24/1997		1.360E+00
		{ 1.350E+00}
12/22/1997		< 9.330E-01
		{ 1.080E+00}
MEAN		7.009E-01
MINIMUM		< -1.630E-02
MAXIMUM		1.360E+00
2STD. ERR		2.783E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE.

2224 EDWIN MARKHAM SCHOOL (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM PCI/M3
01/22/1997	<	6.360E-01
	{	7.760E-01}
02/19/1997	<	2.170E-01
	{	6.450E-01}
03/19/1997	<	5.950E-01
	{	8.000E-01}
04/16/1997	<	1.260E-01
	{	7.900E-01}
05/14/1997	<	3.810E-01
	{	9.830E-01}
06/11/1997	<	1.020E+00
	{	1.430E+00}
07/09/1997	<	4.790E-01
	{	6.870E-01}
08/06/1997	<	1.220E+00
	{	1.610E+00}
09/03/1997	<	1.730E-01
	{	1.960E+00}
10/01/1997	<	2.030E+00
	{	2.510E+00}
10/29/1997	<	1.370E-01
	{	1.260E+00}
11/25/1997		1.450E+00
	{	1.230E+00}
12/24/1997	<	4.890E-01
	{	8.900E-01}
MEAN		6.887E-01
MINIMUM	<	1.260E-01
MAXIMUM	<	2.030E+00
2STD. ERR		3.231E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

2226 YAKIMA (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM PCI/M3
01/30/1997		< 1.170E+00
		{ 1.520E+00}
02/28/1997		< 9.410E-02
		{ 2.700E-01}
03/26/1997		< 3.520E-01
		{ 6.820E-01}
04/24/1997		1.110E+00
		{ 9.390E-01}
05/22/1997		< 3.190E-01
		{ 1.190E+00}
06/30/1997		< 7.620E-02
		{ 1.410E+00}
07/18/1997		< 9.440E-02
		{ 4.200E-01}
08/14/1997		< 1.740E-01
		{ 1.100E+00}
09/12/1997		< 8.700E-01
		{ 1.850E+00}
10/10/1997		< 1.160E+00
		{ 1.500E+00}
11/06/1997		< 8.900E-03
		{ 4.000E-02}
12/04/1997		< 2.940E+00
		{ 3.410E+00}
01/02/1998		< 1.110E+00
		{ 1.520E+00}
MEAN		7.291E-01
MINIMUM		< 8.900E-03
MAXIMUM		< 2.940E+00
2STD. ERR		4.514E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

2826 TOPPENISH (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM PCI/M3
01/29/1997		< 3.100E-01
		{ 7.470E-01}
02/26/1997		< -3.530E-02
		{ 7.600E-01}
03/25/1997		< 5.700E-01
		{ 8.290E-01}
04/23/1997		< 6.600E-01
		{ 9.230E-01}
05/21/1997		< -1.960E-01
		{ 1.080E+00}
06/18/1997		< 1.150E+00
		{ 1.400E+00}
07/16/1997		< 5.240E-01
		{ 1.480E+00}
08/13/1997		< 1.130E+00
		{ 1.620E+00}
09/10/1997		< 9.070E-01
		{ 1.840E+00}
10/08/1997		< 8.490E-01
		{ 1.270E+00}
11/05/1997		< 1.030E+00
		{ 1.400E+00}
12/03/1997		1.040E+00
		{ 9.580E-01}
01/02/1998		< -6.390E-01
		{ 1.480E+00}
MEAN		5.615E-01
MINIMUM		< -6.390E-01
MAXIMUM		< 1.150E+00
2STD. ERR		3.107E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

Surface Water

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/04/1997 TO 12/31/1997
SURFACE WATER - COMPOSITED SAMPLES

2173 RICHLAND PUMP HOUSE (UNFILTERED , RIVER , CUMULATIVE)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L
02/03/1997	1	< 1.080E-01	2.590E+00	< -8.960E-01	< -1.430E-01	9.950E-02	< -6.790E-02	3.780E+01	2.520E-01
		{ 3.960E-01}	{ 1.610E+00}	{ 1.050E+00}	{ 1.140E+00}	{ 5.340E-02}	{ 4.960E-01}	{ 1.240E+01}	{ 5.790E-02}
03/05/1997		5.380E-01	1.680E+00	< 1.120E+00	< 1.010E+00	9.570E-02	< 1.740E-02	6.260E+01	2.620E-01
		{ 5.380E-01}	{ 1.640E+00}	{ 1.420E+00}	{ 1.060E+00}	{ 4.020E-02}	{ 5.240E-01}	{ 1.100E+01}	{ 5.370E-02}
04/09/1997		< -1.360E-02	1.500E+00	< 2.940E-01	< 1.080E+00	8.560E-02	< 1.300E-01	8.480E+01	2.980E-01
		{ 2.640E-01}	{ 1.430E+00}	{ 1.170E+00}	{ 1.180E+00}	{ 4.630E-02}	{ 5.200E-01}	{ 1.270E+01}	{ 6.560E-02}
05/07/1997		< 6.330E-01	< -1.590E-01	< 1.710E+00	< 6.890E-01	7.790E-02	< 1.670E-01	3.610E+01	4.040E-01
		{ 7.100E-01}	{ 1.780E+00}	{ 2.070E+00}	{ 2.230E+00}	{ 4.540E-02}	{ 4.890E-01}	{ 9.950E+00}	{ 7.510E-02}
06/04/1997	2	2.220E+00	1.740E+00	< -5.010E-01	< -8.090E-01	7.090E-02	< 1.900E-01	4.300E+01	4.010E-01
		{ 1.100E+00}	{ 9.010E-01}	{ 2.220E+00}	{ 2.540E+00}	{ 3.370E-02}	{ 5.760E-01}	{ 9.430E+00}	{ 7.070E-02}
07/09/1997	3	< 3.550E-01	< 6.120E-01	< 1.050E+00	< -7.350E-01	5.090E-02	< 1.070E-02	2.640E+01	2.010E-01
		{ 4.260E-01}	{ 1.080E+00}	{ 2.570E+00}	{ 2.550E+00}	{ 3.250E-02}	{ 4.530E-01}	{ 8.400E+00}	{ 4.570E-02}
08/06/1997	4	5.680E-01	1.450E+00	< 1.220E+00	3.660E+00	6.630E-02	< 1.470E-01	6.930E+01	2.070E-01
		{ 5.380E-01}	{ 1.230E+00}	{ 2.010E+00}	{ 2.080E+00}	{ 3.440E-02}	{ 4.610E-01}	{ 1.160E+01}	{ 4.520E-02}
09/03/1997	5	< 3.120E-01	< 1.070E+00	< -3.700E+00	< 2.140E+00	8.140E-02	< 1.030E-01	7.640E+01	2.360E-01
		{ 4.540E-01}	{ 1.530E+00}	{ 2.840E+00}	{ 2.220E+00}	{ 2.820E-02}	{ 5.020E-01}	{ 1.190E+01}	{ 4.800E-02}
10/08/1997	6	< 4.500E-01	< 4.290E-01	< 3.170E-01	8.560E-01	1.300E-01	< 3.110E-01	7.640E+01	2.450E-01
		{ 4.560E-01}	{ 1.310E+00}	{ 9.180E-01}	{ 8.410E-01}	{ 4.800E-02}	{ 5.630E-01}	{ 1.180E+01}	{ 5.040E-02}
11/05/1997		7.380E-01	1.780E+00	< 7.440E-02	< 2.910E-01	7.800E-02	< 6.240E-02	8.780E+01	3.860E-01
		{ 5.540E-01}	{ 1.450E+00}	{ 6.980E-01}	{ 9.880E-01}	{ 4.010E-02}	{ 5.100E-01}	{ 1.260E+01}	{ 1.190E-01}
12/03/1997	7	7.120E-01	< 9.040E-01	< 2.990E-01	< 5.980E-01	7.210E-02	< -2.370E-03	7.510E+01	3.010E-01
		{ 5.280E-01}	{ 1.250E+00}	{ 1.040E+00}	{ 1.160E+00}	{ 3.770E-02}	{ 5.200E-01}	{ 1.150E+01}	{ 5.840E-02}
12/30/1997	8	< 3.400E-01	< 1.060E+00	< 9.680E-01	< 6.590E-01	7.600E-02	< 6.360E-02	6.170E+01	2.850E-01
		{ 4.200E-01}	{ 1.340E+00}	{ 1.380E+00}	{ 1.060E+00}	{ 4.550E-02}	{ 5.080E-01}	{ 1.050E+01}	{ 5.980E-02}
MEAN		5.800E-01	1.221E+00	1.630E-01	7.747E-01	8.203E-02	9.432E-02	6.145E+01	2.898E-01
MINIMUM		< -1.360E-02	< -1.590E-01	< -3.700E+00	< -8.090E-01	5.090E-02	< -6.790E-02	2.640E+01	2.010E-01
MAXIMUM		2.220E+00	2.590E+00	< 1.710E+00	3.660E+00	1.300E-01	< 3.110E-01	8.780E+01	4.040E-01
2STD. ERR		3.261E-01	4.210E-01	8.241E-01	7.019E-01	1.143E-02	5.930E-02	1.194E+01	4.146E-02

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/04/1997 TO 12/31/1997
SURFACE WATER - COMPOSITED SAMPLES

2173 RICHLAND PUMP HOUSE (UNFILTERED , RIVER , CUMULATIVE)

OFF DATE	COM	U-235 PCI/L	U-238 PCI/L	UISO TOTAL PCI/L
02/03/1997		1.600E-02	2.520E-01	5.200E-01
		{ 1.390E-02}	{ 5.720E-02}	{ 8.257E-02}
03/05/1997		< 8.060E-03	2.500E-01	5.201E-01
		{ 9.520E-03}	{ 5.130E-02}	{ 7.487E-02}
04/09/1997		< 6.850E-03	2.270E-01	5.319E-01
		{ 1.040E-02}	{ 5.510E-02}	{ 8.630E-02}
05/07/1997		< 9.030E-03	2.730E-01	6.860E-01
		{ 1.340E-02}	{ 5.810E-02}	{ 9.589E-02}
06/04/1997		< 9.380E-03	2.900E-01	7.004E-01
		{ 1.050E-02}	{ 5.680E-02}	{ 9.130E-02}
07/09/1997		< 1.520E-03	1.610E-01	3.635E-01
		{ 9.150E-03}	{ 3.980E-02}	{ 6.129E-02}
08/06/1997		< 9.900E-03	1.910E-01	4.079E-01
		{ 1.010E-02}	{ 4.200E-02}	{ 6.252E-02}
09/03/1997		1.310E-02	2.480E-01	4.971E-01
		{ 1.090E-02}	{ 4.880E-02}	{ 6.931E-02}
10/08/1997		1.680E-02	1.960E-01	4.578E-01
		{ 1.400E-02}	{ 4.420E-02}	{ 6.848E-02}
11/05/1997		< -5.910E-04	2.740E-01	6.594E-01
		{ 2.220E-02}	{ 9.840E-02}	{ 1.560E-01}
12/03/1997		< 3.460E-03	2.550E-01	5.595E-01
		{ 7.930E-03}	{ 5.200E-02}	{ 7.860E-02}
12/30/1997		< 1.250E-02	2.510E-01	5.485E-01
		{ 1.350E-02}	{ 5.500E-02}	{ 8.236E-02}
MEAN		8.834E-03	2.390E-01	5.377E-01
MINIMUM		< -5.910E-04	1.610E-01	3.635E-01
MAXIMUM		1.680E-02	2.900E-01	7.004E-01
2STD. ERR		3.132E-03	2.211E-02	6.024E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

Samples are collected weekly and composited for monthly analysis. Following comments are associated to either the weekly sample or monthly composited sample.

1 ALPHA & BETA REFER TO INCIDENT REPORT 4/3/97 REGARDING SAMPLE MIXUP.
2 Comment for sample 2174 on 06/04/1997 NO SAMPLE. RESERVOIR DRY.
3 Comment for sample 2174 on 06/19/1997 PUMP TURNED OFF ON 06/19/97.
Comment for sample 2174 on 06/25/1997 NO SAMPLE. PUMP TURNED OFF ON 06/19/97.
4 Comment for sample 2174 on 07/17/1997 TWO DAY SAMPLE.
5 Comment for sample 2174 on 08/27/1997 NO SAMPLE. SYSTEM DRY.
6 Comment for sample 2174 on 09/17/1997 NO SAMPLE. WATER FLOW PROBLEMS.
7 Comment for sample 2174 on 11/12/1997 NO SAMPLE. EQUIPMENT PROBLEMS.
8 Comment for sample 2174 on 12/17/1997 NO SAMPLE. WATER LEVEL AT RESERVOIR BELOW SAMPLER INLET LINE.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/04/1997 TO 12/31/1997
SURFACE WATER - COMPOSITED SAMPLES

2166 PRIEST RAPIDS-RIVER (UNFILTERED , RIVER , CUMULATIVE)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99 PCI/L	LO TRITIUM PCI/L	U-234 PCI/L
02/03/1997	1	< 2.920E-01	2.010E+00	< -3.960E-01	< 3.150E-01	9.510E-02	< 8.130E-02	2.540E+01	2.730E-01
		{ 4.320E-01}	{ 1.550E+00}	{ 1.060E+00}	{ 1.010E+00}	{ 5.690E-02}	{ 5.070E-01}	{ 1.150E+01}	{ 5.750E-02}
03/05/1997		< 4.980E-01	3.170E+00	< -1.250E+00	< 2.570E-01	1.110E-01	< 1.700E-01	3.050E+01	2.350E-01
		{ 5.400E-01}	{ 1.760E+00}	{ 1.550E+00}	{ 1.170E+00}	{ 4.510E-02}	{ 5.350E-01}	{ 8.680E+00}	{ 5.240E-02}
04/09/1997		< -7.670E-02	< -1.870E+00	< 1.460E-01	1.490E+00	1.270E-01	< 5.170E-02	< 7.010E+00	2.920E-01
		{ 1.860E-01}	{ 1.100E+00}	{ 1.130E+00}	{ 8.620E-01}	{ 6.180E-02}	{ 5.150E-01}	{ 7.070E+00}	{ 6.480E-02}
05/07/1997	2	< 7.000E-01	< 3.390E-02	< 8.730E-01	< 1.760E+00	1.110E-01	< 2.130E-02	3.230E+01	3.610E-01
		{ 7.160E-01}	{ 2.020E+00}	{ 2.400E+00}	{ 2.440E+00}	{ 5.370E-02}	{ 4.780E-01}	{ 9.670E+00}	{ 6.490E-02}
06/04/1997		< 1.950E-01	< 4.400E-01	< 1.380E-01	< 3.710E-01	7.100E-02	1.610E+00	4.200E+01	2.840E-01
		{ 3.940E-01}	{ 7.510E-01}	{ 2.670E+00}	{ 2.000E+00}	{ 3.520E-02}	{ 6.890E-01}	{ 9.380E+00}	{ 5.460E-02}
07/09/1997	3	< 4.290E-01	< 1.030E+00	< -7.320E-01	< 1.980E+00	6.590E-02	< 1.360E-01	2.510E+01	2.010E-01
		{ 4.580E-01}	{ 1.170E+00}	{ 2.520E+00}	{ 2.320E+00}	{ 2.980E-02}	{ 4.630E-01}	{ 8.250E+00}	{ 4.840E-02}
08/06/1997	4	< 2.180E-01	< 7.620E-01	1.490E+00	< 1.470E+00	8.700E-02	< -2.360E-03	2.950E+01	2.510E-01
		{ 3.770E-01}	{ 1.350E+00}	{ 1.340E+00}	{ 2.150E+00}	{ 3.550E-02}	{ 4.530E-01}	{ 8.720E+00}	{ 5.140E-02}
09/03/1997		5.370E-01	< -3.700E-01	< -1.500E-01	< -1.960E+00	9.300E-02	< 2.970E-01	2.660E+01	2.360E-01
		{ 5.180E-01}	{ 1.110E+00}	{ 2.850E+00}	{ 2.550E+00}	{ 3.120E-02}	{ 5.150E-01}	{ 8.190E+00}	{ 5.040E-02}
10/08/1997	5	< 1.240E-01	< -1.440E-01	< -1.120E+00	< -2.910E-01	1.230E-01	< -3.590E-02	3.220E+01	2.900E-01
		{ 3.280E-01}	{ 1.270E+00}	{ 1.570E+00}	{ 1.120E+00}	{ 4.850E-02}	{ 5.380E-01}	{ 8.410E+00}	{ 5.830E-02}
11/05/1997		< 4.280E-01	< -8.620E-01	1.260E+00	< -1.070E-01	5.410E-02	< -8.560E-02	2.790E+01	2.470E-01
		{ 4.730E-01}	{ 1.240E+00}	{ 1.100E+00}	{ 1.150E+00}	{ 2.910E-02}	{ 5.000E-01}	{ 8.100E+00}	{ 6.700E-02}
12/03/1997		< 7.880E-02	< 1.050E+00	< 2.250E-01	< 7.050E-01	9.470E-02	< -1.620E-01	2.820E+01	2.310E-01
		{ 3.050E-01}	{ 1.350E+00}	{ 1.540E+00}	{ 1.230E+00}	{ 4.650E-02}	{ 5.080E-01}	{ 8.160E+00}	{ 4.920E-02}
01/07/1998		8.160E-01	< -9.310E-01	< 8.760E-01	< -1.400E+00	5.070E-02	< -2.290E-02	2.800E+01	2.250E-01
		{ 5.520E-01}	{ 1.390E+00}	{ 1.310E+00}	{ 1.310E+00}	{ 3.370E-02}	{ 5.020E-01}	{ 8.030E+00}	{ 4.980E-02}
MEAN		3.533E-01	3.599E-01	1.133E-01	3.825E-01	9.029E-02	1.715E-01	2.789E+01	2.605E-01
MINIMUM		< -7.670E-02	< -1.870E+00	< -1.250E+00	< -1.960E+00	5.070E-02	< -1.620E-01	< 7.010E+00	2.010E-01
MAXIMUM		8.160E-01	3.170E+00	1.490E+00	< 1.980E+00	1.270E-01	1.610E+00	4.200E+01	3.610E-01
2STD. ERR		1.518E-01	7.927E-01	5.166E-01	7.037E-01	1.475E-02	2.708E-01	4.600E+00	2.454E-02

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/04/1997 TO 12/31/1997
SURFACE WATER - COMPOSITED SAMPLES

2166 PRIEST RAPIDS-RIVER (UNFILTERED , RIVER , CUMULATIVE)

OFF DATE	COM	U-235 PCI/L	U-238 PCI/L	UISO_TOTAL PCI/L
02/03/1997		< 9.760E-03	2.310E-01	5.138E-01
		{ 1.160E-02}	{ 5.110E-02}	{ 7.779E-02}
03/05/1997		< 7.290E-03	1.780E-01	4.203E-01
		{ 1.040E-02}	{ 4.340E-02}	{ 6.883E-02}
04/09/1997		< 8.570E-03	2.190E-01	5.196E-01
		{ 1.170E-02}	{ 5.410E-02}	{ 8.522E-02}
05/07/1997		< -1.240E-03	2.760E-01	6.358E-01
		{ 4.000E-03}	{ 5.390E-02}	{ 8.446E-02}
06/04/1997		< 8.960E-03	2.280E-01	5.210E-01
		{ 9.510E-03}	{ 4.710E-02}	{ 7.273E-02}
07/09/1997		< 6.420E-03	1.400E-01	3.474E-01
		{ 9.830E-03}	{ 3.870E-02}	{ 6.274E-02}
08/06/1997		< 6.790E-04	1.890E-01	4.407E-01
		{ 6.860E-03}	{ 4.250E-02}	{ 6.705E-02}
09/03/1997		< 8.090E-03	1.860E-01	4.301E-01
		{ 9.530E-03}	{ 4.320E-02}	{ 6.706E-02}
10/08/1997		1.510E-02	2.720E-01	5.771E-01
		{ 1.220E-02}	{ 5.590E-02}	{ 8.169E-02}
11/05/1997		< 7.640E-03	2.370E-01	4.916E-01
		{ 1.440E-02}	{ 6.430E-02}	{ 9.397E-02}
12/03/1997		< 7.860E-03	2.090E-01	4.479E-01
		{ 9.350E-03}	{ 4.580E-02}	{ 6.787E-02}
01/07/1998		< 1.050E-02	2.290E-01	4.645E-01
		{ 1.260E-02}	{ 4.950E-02}	{ 7.134E-02}
MEAN		7.469E-03	2.162E-01	4.841E-01
MINIMUM		< -1.240E-03	1.400E-01	3.474E-01
MAXIMUM		1.510E-02	2.760E-01	6.358E-01
2STD. ERR		2.460E-03	2.244E-02	4.420E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

Samples are collected weekly and composited for monthly analysis. Following comments are associated to either the weekly sample or monthly composited sample.

1 ALPHA & BETA REFER TO INCIDENT REPORT 4/3/97 REGARDING SAMPLE MIXUP.
2 Comment for sample 2168 on 04/16/1997 PUMP SHUT DOWN BUT NO REPLACEMENT, WILL RESTART 4/17/97.
Comment for sample 2168 on 04/23/1997 NO SAMPLE.
3 Comment for sample 2168 on 06/19/1997 PUMP TURNED OFF ON 06/19/97.
Comment for sample 2168 on 06/25/1997 NO SAMPLE. PUMP TURNED OFF ON 06/19/97.
4 Comment for sample 2168 on 07/17/1997 TWO DAY SAMPLE.
5 Comment for sample 2168 on 09/17/1997 NO SAMPLE. EQUIPMENT PROBLEMS.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/04/1997 TO 12/31/1997
SURFACE WATER - COMPOSITED SAMPLES

2850 RICHLAND PUMP HOUSE (UNFILTERED , RIVER , CUMULATIVE)

OFF DATE	COM	I-129 PCI/L
04/09/1997		9.610E-05
		(6.150E-06)
07/09/1997	1	4.500E-05
		(3.690E-06)
10/08/1997	2	1.570E-04
		(1.195E-05)
01/07/1998	3	1.626E-04
		(1.301E-05)
MEAN		1.153E-04
MINIMUM		4.500E-05
MAXIMUM		1.626E-04
2STD. ERR		5.571E-05

2848 PRIEST RAPIDS-RIVER (UNFILTERED , RIVER , CUMULATIVE)

OFF DATE	COM	I-129 PCI/L
04/09/1997		5.200E-06
		(8.632E-07)
07/09/1997	4	1.030E-05
		(1.215E-06)
10/08/1997	5	7.800E-06
		(9.984E-07)
01/07/1998		5.500E-06
		(6.050E-07)
MEAN		7.200E-06
MINIMUM		5.200E-06
MAXIMUM		1.030E-05
2STD. ERR		2.371E-06

( ) - Total Propagated Analytical Uncertainty.

Samples are collected weekly and composited for quarterly analysis. Following comments are associated to either the weekly sample or quarterly composited sample.

1	Comment for sample 2851 on 06/04/1997	TROUBLE WITH SAMPLER BUT ABLE TO COLLECT 500 mL.
	Comment for sample 2851 on 06/19/1997	PUMP TURNED OFF ON 06/19/97, ALIQUOT MEASURED ON 06/25/97.
	Comment for sample 2851 on 06/25/1997	NO SAMPLE. PUMP TURNED OFF ON 06/19/97.
2	Comment for sample 2851 on 08/27/1997	NO SAMPLE. SYSTEM DRY.
	Comment for sample 2851 on 09/17/1997	NO SAMPLE. WATER FLOW PROBLEMS.
3	Comment for sample 2851 on 11/12/1997	NO SAMPLE. EQUIPMENT PROBLEMS.
	Comment for sample 2851 on 12/17/1997	NO SAMPLE. WATER LEVEL AT RESERVOIR BELOW SAMPLER INLET LINE.
4	Comment for sample 2849 on 04/16/1997	PUMP MALFUNCTIONED, SHUTDOWN ON 4/16/97 AT 12:45.
	Comment for sample 2849 on 04/23/1997	NO SAMPLE.
	Comment for sample 2849 on 06/19/1997	PUMP TURNED OFF ON 06/19/97, ALIQUOT MEASURED ON 06/25/97.
	Comment for sample 2849 on 06/25/1997	NO SAMPLE. PUMP TURNED OFF ON 06/19/97.
5	Comment for sample 2849 on 09/17/1997	NO SAMPLE. EQUIPMENT PROBLEMS.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/01/1997 TO 12/31/1997
SURFACE WATER - RIVER FLOW - CF/SEC

PRIEST RAPIDS-RIVER

OFF DATE	FLOW_RATE
01/01/1997	6.640E+04
01/02/1997	6.620E+04
01/03/1997	7.240E+04
01/04/1997	1.020E+05
01/05/1997	1.190E+05
01/06/1997	1.500E+05
01/07/1997	1.590E+05
01/08/1997	1.620E+05
01/09/1997	1.500E+05
01/10/1997	1.680E+05
01/11/1997	1.600E+05
01/12/1997	1.600E+05
01/13/1997	1.900E+05
01/14/1997	1.910E+05
01/15/1997	1.840E+05
01/16/1997	1.880E+05
01/17/1997	1.740E+05
01/18/1997	1.680E+05
01/19/1997	1.480E+05
01/20/1997	1.440E+05
01/21/1997	1.620E+05
01/22/1997	1.510E+05
01/23/1997	1.270E+05
01/24/1997	1.560E+05
01/25/1997	1.710E+05
01/26/1997	1.690E+05
01/27/1997	1.590E+05
01/28/1997	1.550E+05
01/29/1997	1.710E+05
01/30/1997	1.630E+05
01/31/1997	1.430E+05
02/01/1997	1.270E+05
02/02/1997	1.110E+05
02/03/1997	1.390E+05
02/04/1997	1.560E+05
02/05/1997	1.590E+05
02/06/1997	1.620E+05
02/07/1997	1.680E+05
02/08/1997	1.720E+05
02/09/1997	1.580E+05
02/10/1997	1.420E+05
02/11/1997	1.560E+05
02/12/1997	1.570E+05
02/13/1997	1.570E+05
02/14/1997	1.520E+05
02/15/1997	1.340E+05
02/16/1997	1.260E+05
02/17/1997	1.240E+05
02/18/1997	1.480E+05
02/19/1997	1.750E+05
02/20/1997	1.780E+05
02/21/1997	1.580E+05
02/22/1997	1.620E+05
02/23/1997	1.700E+05

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/01/1997 TO 12/31/1997
SURFACE WATER - RIVER FLOW - CF/SEC

PRIEST RAPIDS-RIVER

OFF DATE	FLOW_RATE
02/24/1997	1.760E+05
02/25/1997	1.660E+05
02/26/1997	1.600E+05
02/27/1997	1.540E+05
02/28/1997	1.530E+05
03/01/1997	1.540E+05
03/02/1997	1.310E+05
03/03/1997	1.310E+05
03/04/1997	1.470E+05
03/05/1997	1.390E+05
03/06/1997	1.390E+05
03/07/1997	1.020E+05
03/08/1997	9.720E+04
03/09/1997	8.060E+04
03/10/1997	1.080E+05
03/11/1997	1.140E+05
03/12/1997	1.400E+05
03/13/1997	1.370E+05
03/14/1997	1.380E+05
03/15/1997	1.280E+05
03/16/1997	1.120E+05
03/17/1997	1.220E+05
03/18/1997	1.140E+05
03/19/1997	1.270E+05
03/20/1997	1.300E+05
03/21/1997	1.470E+05
03/22/1997	1.440E+05
03/23/1997	1.300E+05
03/24/1997	1.360E+05
03/25/1997	1.810E+05
03/26/1997	1.890E+05
03/27/1997	2.010E+05
03/28/1997	2.110E+05
03/29/1997	2.000E+05
03/30/1997	1.830E+05
03/31/1997	2.030E+05
04/01/1997	2.070E+05
04/02/1997	1.680E+05
04/03/1997	1.700E+05
04/04/1997	1.810E+05
04/05/1997	1.510E+05
04/06/1997	1.490E+05
04/07/1997	1.460E+05
04/08/1997	1.610E+05
04/09/1997	1.540E+05
04/10/1997	1.530E+05
04/11/1997	1.550E+05
04/12/1997	1.290E+05
04/13/1997	1.150E+05
04/14/1997	1.420E+05
04/15/1997	1.590E+05
04/16/1997	1.420E+05
04/17/1997	1.270E+05
04/18/1997	1.200E+05

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/01/1997 TO 12/31/1997
SURFACE WATER - RIVER FLOW - CF/SEC

PRIEST RAPIDS-RIVER

OFF DATE	FLOW_RATE
04/19/1997	1.400E+05
04/20/1997	1.120E+05
04/21/1997	1.690E+05
04/22/1997	2.260E+05
04/23/1997	1.910E+05
04/24/1997	2.130E+05
04/25/1997	2.060E+05
04/26/1997	2.270E+05
04/27/1997	2.340E+05
04/28/1997	2.420E+05
04/29/1997	2.490E+05
04/30/1997	2.770E+05
05/01/1997	2.600E+05
05/02/1997	2.650E+05
05/03/1997	2.470E+05
05/04/1997	2.300E+05
05/05/1997	2.300E+05
05/06/1997	2.230E+05
05/07/1997	2.320E+05
05/08/1997	2.230E+05
05/09/1997	2.530E+05
05/10/1997	2.180E+05
05/11/1997	2.330E+05
05/12/1997	2.480E+05
05/13/1997	2.590E+05
05/14/1997	2.630E+05
05/15/1997	2.620E+05
05/16/1997	2.720E+05
05/17/1997	2.860E+05
05/18/1997	3.050E+05
05/19/1997	2.920E+05
05/20/1997	3.040E+05
05/21/1997	2.940E+05
05/22/1997	3.070E+05
05/23/1997	2.990E+05
05/24/1997	2.930E+05
05/25/1997	3.010E+05
05/26/1997	2.870E+05
05/27/1997	3.040E+05
05/28/1997	2.980E+05
05/29/1997	3.100E+05
05/30/1997	3.070E+05
05/31/1997	3.170E+05
06/01/1997	3.200E+05
06/02/1997	3.250E+05
06/03/1997	3.270E+05
06/04/1997	3.190E+05
06/05/1997	3.320E+05
06/06/1997	3.370E+05
06/07/1997	3.300E+05
06/08/1997	3.230E+05
06/09/1997	3.240E+05
06/10/1997	3.450E+05
06/11/1997	3.870E+05

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/01/1997 TO 12/31/1997
SURFACE WATER - RIVER FLOW - CF/SEC

PRIEST RAPIDS-RIVER

OFF DATE	FLOW_RATE
06/12/1997	4.100E+05
06/13/1997	3.660E+05
06/14/1997	3.680E+05
06/15/1997	3.680E+05
06/16/1997	3.650E+05
06/17/1997	3.510E+05
06/18/1997	3.550E+05
06/19/1997	3.340E+05
06/20/1997	3.340E+05
06/21/1997	3.320E+05
06/22/1997	3.400E+05
06/23/1997	3.350E+05
06/24/1997	3.040E+05
06/25/1997	2.730E+05
06/26/1997	2.810E+05
06/27/1997	2.770E+05
06/28/1997	2.640E+05
06/29/1997	1.860E+05
06/30/1997	1.790E+05
07/01/1997	1.810E+05
07/02/1997	1.840E+05
07/03/1997	2.020E+05
07/04/1997	2.000E+05
07/05/1997	2.000E+05
07/06/1997	1.980E+05
07/07/1997	1.780E+05
07/08/1997	2.010E+05
07/09/1997	2.000E+05
07/10/1997	2.100E+05
07/11/1997	2.090E+05
07/12/1997	2.000E+05
07/13/1997	2.020E+05
07/14/1997	2.130E+05
07/15/1997	2.420E+05
07/16/1997	2.380E+05
07/17/1997	2.250E+05
07/18/1997	2.400E+05
07/19/1997	2.270E+05
07/20/1997	1.980E+05
07/21/1997	1.970E+05
07/22/1997	2.020E+05
07/23/1997	2.040E+05
07/24/1997	2.070E+05
07/25/1997	2.050E+05
07/26/1997	1.750E+05
07/27/1997	1.710E+05
07/28/1997	1.600E+05
07/29/1997	1.490E+05
07/30/1997	1.350E+05
07/31/1997	1.530E+05
08/01/1997	1.260E+05
08/02/1997	1.110E+05
08/03/1997	1.230E+05
08/04/1997	1.650E+05

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/01/1997 TO 12/31/1997
SURFACE WATER - RIVER FLOW - CF/SEC

PRIEST RAPIDS-RIVER

OFF DATE	FLOW_RATE
08/05/1997	1.680E+05
08/06/1997	1.510E+05
08/07/1997	1.540E+05
08/08/1997	1.600E+05
08/09/1997	1.520E+05
08/10/1997	1.240E+05
08/11/1997	1.420E+05
08/12/1997	1.510E+05
08/13/1997	1.580E+05
08/14/1997	1.530E+05
08/15/1997	1.370E+05
08/16/1997	1.270E+05
08/17/1997	1.350E+05
08/18/1997	1.510E+05
08/19/1997	1.590E+05
08/20/1997	1.790E+05
08/21/1997	1.820E+05
08/22/1997	1.640E+05
08/23/1997	1.540E+05
08/24/1997	1.180E+05
08/25/1997	1.190E+05
08/26/1997	1.360E+05
08/27/1997	1.390E+05
08/28/1997	1.530E+05
08/29/1997	1.620E+05
08/30/1997	1.580E+05
08/31/1997	1.460E+05
09/01/1997	1.080E+05
09/02/1997	1.300E+05
09/03/1997	1.020E+05
09/04/1997	1.040E+05
09/05/1997	1.090E+05
09/06/1997	1.030E+05
09/07/1997	6.920E+04
09/08/1997	1.030E+05
09/09/1997	9.880E+04
09/10/1997	1.110E+05
09/11/1997	9.850E+04
09/12/1997	1.140E+05
09/13/1997	8.670E+04
09/14/1997	6.830E+04
09/15/1997	1.120E+05
09/16/1997	9.600E+04
09/17/1997	1.010E+05
09/18/1997	9.730E+04
09/19/1997	1.030E+05
09/20/1997	1.230E+05
09/21/1997	1.160E+05
09/22/1997	1.220E+05
09/23/1997	1.300E+05
09/24/1997	1.370E+05
09/25/1997	1.390E+05
09/26/1997	1.240E+05
09/27/1997	1.100E+05

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/01/1997 TO 12/31/1997
SURFACE WATER - RIVER FLOW - CF/SEC

PRIEST RAPIDS-RIVER

OFF DATE	FLOW_RATE
09/28/1997	9.880E+04
09/29/1997	1.240E+05
09/30/1997	1.250E+05
10/01/1997	1.060E+05
10/02/1997	1.080E+05
10/03/1997	9.360E+04
10/04/1997	1.130E+05
10/05/1997	1.120E+05
10/06/1997	1.220E+05
10/07/1997	1.340E+05
10/08/1997	1.380E+05
10/09/1997	1.390E+05
10/10/1997	1.490E+05
10/11/1997	1.630E+05
10/12/1997	1.290E+05
10/13/1997	1.570E+05
10/14/1997	1.590E+05
10/15/1997	1.610E+05
10/16/1997	1.360E+05
10/17/1997	1.230E+05
10/18/1997	9.930E+04
10/19/1997	9.470E+04
10/20/1997	1.100E+05
10/21/1997	1.090E+05
10/22/1997	1.170E+05
10/23/1997	1.120E+05
10/24/1997	1.060E+05
10/25/1997	9.840E+04
10/26/1997	9.400E+04
10/27/1997	9.460E+04
10/28/1997	1.000E+05
10/29/1997	1.060E+05
10/30/1997	1.020E+05
10/31/1997	8.250E+04
11/01/1997	8.060E+04
11/02/1997	8.740E+04
11/03/1997	1.050E+05
11/04/1997	1.160E+05
11/05/1997	1.040E+05
11/06/1997	1.100E+05
11/07/1997	1.090E+05
11/08/1997	1.060E+05
11/09/1997	9.970E+04
11/10/1997	1.020E+05
11/11/1997	1.050E+05
11/12/1997	1.080E+05
11/13/1997	1.100E+05
11/14/1997	1.070E+05
11/15/1997	1.100E+05
11/16/1997	1.100E+05
11/17/1997	1.120E+05
11/18/1997	1.130E+05
11/19/1997	1.070E+05
11/20/1997	1.100E+05

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/01/1997 TO 12/31/1997
SURFACE WATER - RIVER FLOW - CF/SEC

PRIEST RAPIDS-RIVER

OFF DATE	FLOW_RATE
11/21/1997	1.080E+05
11/22/1997	9.600E+04
11/23/1997	8.320E+04
11/24/1997	1.130E+05
11/25/1997	1.330E+05
11/26/1997	1.330E+05
11/27/1997	8.720E+04
11/28/1997	9.100E+04
11/29/1997	1.010E+05
11/30/1997	9.370E+04
12/01/1997	1.160E+05
12/02/1997	1.360E+05
12/03/1997	1.500E+05
12/04/1997	1.420E+05
12/05/1997	1.520E+05
12/06/1997	1.530E+05
12/07/1997	1.470E+05
12/08/1997	1.330E+05
12/09/1997	1.630E+05
12/10/1997	1.550E+05
12/11/1997	1.540E+05
12/12/1997	1.570E+05
12/13/1997	1.580E+05
12/14/1997	1.180E+05
12/15/1997	1.380E+05
12/16/1997	1.490E+05
12/17/1997	1.280E+05
12/18/1997	1.470E+05
12/19/1997	1.370E+05
12/20/1997	1.410E+05
12/21/1997	1.280E+05
12/22/1997	1.300E+05
12/23/1997	1.480E+05
12/24/1997	1.430E+05
12/25/1997	1.110E+05
12/26/1997	1.280E+05
12/27/1997	1.300E+05
12/28/1997	9.770E+04
12/29/1997	1.200E+05
12/30/1997	1.280E+05
12/31/1997	1.320E+05
MEAN	1.691E+05
MINIMUM	6.620E+04
MAXIMUM	4.100E+05
2STD. ERR	7.270E+03

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/04/1997 TO 12/31/1997
SURFACE WATER - CONTINOUS FILTER/RESIN

2186 RICHLAND PUMP HOUSE (FILTER , RIVER , CONTINUOUS)

OFF DATE	COM	CO-60 PCI/L	CS-137 PCI/L	PU-238 PCI/L	PU-239/240 PCI/L
04/09/1997	1	< 1.350E-05	2.000E-03	< -1.290E-06	6.400E-05
		(6.330E-04)	(8.420E-04)	(1.150E-05)	(3.750E-05)
07/02/1997	2	< 6.390E-04	1.100E-03	< 5.680E-06	4.920E-05
		(6.910E-04)	(8.320E-04)	(1.370E-05)	(2.700E-05)
10/08/1997	3	< -1.630E-04	2.560E-03	9.340E-05	1.520E-04
		(8.240E-04)	(9.970E-04)	(3.920E-05)	(5.140E-05)
12/30/1997	4	< 1.950E-04	1.670E-03	< 1.390E-05	5.840E-05
		(6.750E-04)	(8.740E-04)	(1.650E-05)	(2.720E-05)
MEAN		1.711E-04	1.833E-03	2.792E-05	8.090E-05
MINIMUM		< -1.630E-04	1.100E-03	< -1.290E-06	4.920E-05
MAXIMUM		< 6.390E-04	2.560E-03	9.340E-05	1.520E-04
2STD. ERR		3.445E-04	6.111E-04	4.409E-05	4.779E-05

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.

Samples are collected weekly and composited for quarterly analysis. Following comments are associated to either the weekly sample or quarterly composited sample.

1 PU-238 & PU-239/240 REFER TO 9/5/97 INCIDENT REPORT, CHEMICAL YIELDS LESS THAN 20%.
2 Comment for sample 2188 on 05/21/1997 PUMP DISCHARGE LINE CLOGGED WITH SEDIMENT, CLEANED OUT.
Comment for sample 2188 on 06/04/1997 NO SAMPLE. RESERVOIR DRY.
3 Comment for sample 2188 on 07/17/1997 NO SAMPLE.
Comment for sample 2188 on 08/27/1997 NO SAMPLE. SYSTEM DRY.
4 Comment for sample 2188 on 11/05/1997 NO SAMPLE. LOW WATER LEVEL IN TANK.
Comment for sample 2188 on 12/03/1997 NO SAMPLE. POWER OUTAGE.
Comment for sample 2188 on 12/17/1997 NO SAMPLE. WATER LEVEL AT RESERVOIR BELOW SAMPLER INLET LINE.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/04/1997 TO 12/31/1997
SURFACE WATER - CONTINOUS FILTER/RESIN

2175 PRIEST RAPIDS-RIVER (FILTER , RIVER , CONTINUOUS)

OFF DATE	COM	CO-60 PCI/L	CS-137 PCI/L	PU-238 PCI/L	PU-239/240 PCI/L
04/09/1997	1	7.200E-04	9.270E-04	2.700E-05	6.510E-05
		{ 5.280E-04}	{ 5.510E-04}	{ 2.270E-05}	{ 3.650E-05}
07/02/1997	2	< 5.150E-04	1.680E-03	< 5.160E-05	1.510E-04
		{ 7.860E-04}	{ 8.400E-04}	{ 5.370E-05}	{ 9.820E-05}
10/08/1997	3	< 5.320E-04	< 6.150E-04	< 2.300E-06	4.660E-05
		{ 6.930E-04}	{ 7.090E-04}	{ 1.050E-05}	{ 2.470E-05}
12/30/1997	4	< -2.730E-04	< 6.170E-04	< 2.360E-05	5.430E-05
		{ 7.110E-04}	{ 6.420E-04}	{ 2.820E-05}	{ 4.800E-05}
MEAN		3.735E-04	9.598E-04	2.613E-05	7.925E-05
MINIMUM		< -2.730E-04	< 6.150E-04	< 2.300E-06	4.660E-05
MAXIMUM		7.200E-04	1.680E-03	< 5.160E-05	1.510E-04
2STD. ERR		4.409E-04	5.021E-04	2.020E-05	4.843E-05

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

Samples are collected weekly and composited for quarterly analysis. Following comments are associated to either the weekly sample or quarterly composited sample.

1 PU-238 & PU-239/240 REFER TO 9/5/97 INCIDENT REPORT, CHEMICAL YIELDS LESS THAN 20%.
2 Comment for sample 2177 on 06/25/1997 NO SAMPLE. RESERVOIR DRY.
3 Comment for sample 2177 on 09/10/1997 NO SAMPLE. HOSE CLOGGED WITH SEDIMENT.
4 Comment for sample 2177 on 11/05/1997 NO SAMPLE. LINE CLOGGED WITH MUD.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/04/1997 TO 12/31/1997
SURFACE WATER - CONTINOUS FILTER/RESIN

2183 RICHLAND PUMP HOUSE (RESIN , RIVER , CONTINUOUS)

OFF DATE	COM	CO-60 PCI/L	CS-137 PCI/L	PU-238 PCI/L	PU-239/240 PCI/L
04/09/1997	1	< 2.810E-03	7.100E-03	< 2.570E-05	< .000E+00
		{ 5.650E-03}	{ 5.150E-03}	{ 1.100E-04}	{ 1.050E-04}
07/02/1997	2	< -3.810E-03	< -4.300E-05	< 6.830E-05	< 2.700E-05
		{ 5.170E-03}	{ 4.670E-03}	{ 9.700E-05}	{ 5.430E-05}
10/08/1997	3	< -5.880E-04	< 3.600E-03	< -4.450E-05	< 3.360E-05
		{ 6.150E-03}	{ 4.570E-03}	{ 1.130E-04}	{ 1.320E-04}
12/30/1997	4	< 4.650E-04	< 2.670E-03	< 7.820E-05	< 9.700E-05
		{ 6.990E-03}	{ 5.700E-03}	{ 9.420E-05}	{ 1.110E-04}
MEAN		-2.808E-04	3.332E-03	3.193E-05	3.940E-05
MINIMUM		< -3.810E-03	< -4.300E-05	< -4.450E-05	< .000E+00
MAXIMUM		< 2.810E-03	7.100E-03	< 7.820E-05	< 9.700E-05
2STD. ERR		2.748E-03	2.949E-03	5.581E-05	4.106E-05

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

Samples are collected weekly and composited for quarterly analysis. Following comments are associated to either the weekly sample or quarterly composited sample.

1 Comment for sample 2185 on 04/09/1997 RESIN 2/3 USED.
PU-238 & PU-239/240 REFER TO 9/5/97 INCIDENT REPORT, CHEMICAL YIELD LESS THAN 20%.
2 Comment for sample 2185 on 05/21/1997 PUMP DISCHARGE LINE CLOGGED WITH SEDIMENT, CLEANED OUT.
Comment for sample 2185 on 06/04/1997 NO SAMPLE. RESERVOIR DRY.
3 Comment for sample 2185 on 07/17/1997 NO SAMPLE.
Comment for sample 2185 on 08/27/1997 NO SAMPLE. SYSTEM DRY.
PU-238 & PU-239/240 REFER TO 11/17/97 INCIDENT REPORT REGARDING ACHIEVING MDA.
4 Comment for sample 2185 on 11/05/1997 NO SAMPLE. LOW WATER LEVEL IN TANK.
Comment for sample 2185 on 12/03/1997 NO SAMPLE. POWER OUTAGE.
Comment for sample 2185 on 12/17/1997 NO SAMPLE. RESERVIOR LEVEL BELOW SAMPLER INLET LINE.
SAMPLE B0LWS7, 11/5/97 HAD AN UNKNOWN VOLUMN AND SHOULD NOT HAVE BEEN INCLUDED IN COMPOSITE BUT WAS. ASSUMED 0 LITERS FOR CALCULATION PURPOSES.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/04/1997 TO 12/31/1997
SURFACE WATER - CONTINOUS FILTER/RESIN

2178 PRIEST RAPIDS-RIVER (RESIN , RIVER , CONTINUOUS)

OFF DATE	COM	CO-60 PCI/L	CS-137 PCI/L	PU-238 PCI/L	PU-239/240 PCI/L
04/09/1997	1	< 5.140E-03	< 1.520E-03	< 7.750E-05	< 1.590E-05
		(5.270E-03)	(5.230E-03)	(9.280E-05)	(1.060E-04)
07/02/1997	2	< 2.530E-03	< 2.100E-03	< 4.260E-05	< 1.500E-05
		(4.320E-03)	(4.820E-03)	(8.130E-05)	(5.920E-05)
10/08/1997	3	< 6.870E-04	< 2.610E-03	< -1.650E-05	< 5.590E-05
		(6.070E-03)	(5.310E-03)	(2.830E-05)	(1.030E-04)
12/30/1997	4	< -6.380E-04	< -1.020E-03	< 1.600E-06	< -1.630E-05
		(5.190E-03)	(5.280E-03)	(4.700E-05)	(2.340E-05)
MEAN		1.930E-03	1.303E-03	2.630E-05	1.763E-05
MINIMUM		< -6.380E-04	< -1.020E-03	< -1.650E-05	< -1.630E-05
MAXIMUM		< 5.140E-03	< 2.610E-03	< 7.750E-05	< 5.590E-05
2STD. ERR		2.504E-03	1.611E-03	4.215E-05	2.958E-05

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.

Samples are collected weekly and composited for quarterly analysis. Following comments are associated to either the weekly sample or quarterly composited sample.

1 Comment for sample 2181 on 04/09/1997 ON 4/2/97 NOTED LEAKING AT BASE OF RESIN COLUMN, RESTORED FLOW TO 25 ML/M. ON 4/9/97 RESIN 2/3 USED. PU-238 & PU-239/240 REFER TO 9/5/97 INCIDENT REPORT, CHEMICAL YIELD LESS THAN 20%.
2 Comment for sample 2181 on 06/25/1997 NO SAMPLE. RESERVOIR DRY.
3 Comment for sample 2181 on 09/10/1997 NO SAMPLE. HOSE CLOGGED WITH SEDIMENT.
4 Comment for sample 2181 on 11/05/1997 NO SAMPLE. LINE CLOGGED WITH MUD.
SAMPLE BOLWS0, 11/5/97 HAD AN UNKNOWN VOLUMN AND SHOULD NOT HAVE BEEN INCLUDED IN COMPOSITE BUT WAS. ASSUMED 0 LITERS FOR CALCULATION PURPOSES.

2026 100 F -1 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/23/1997	1	7.870E-02	2.610E+01	2.040E-01 <	8.110E-03	2.090E-01
		{ 3.350E-02}	{ 8.260E+00}	{ 4.620E-02}	{ 9.550E-03}	{ 4.610E-02}

2045 100 F -2 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/23/1997	2	9.200E-02	2.740E+01	1.780E-01 <	4.290E-03	2.120E-01
		{ 3.690E-02}	{ 8.410E+00}	{ 4.550E-02}	{ 1.130E-02}	{ 4.900E-02}

2030 100 F -3 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/23/1997	3	7.970E-02	2.920E+01	2.850E-01 <	8.320E-03	2.130E-01
		{ 3.510E-02}	{ 8.460E+00}	{ 5.670E-02}	{ 1.040E-02}	{ 4.650E-02}

2060 100 F -4 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/23/1997	4	8.470E-02	2.580E+01	2.380E-01 <	7.260E-03	1.890E-01
		{ 3.520E-02}	{ 8.210E+00}	{ 5.310E-02}	{ 9.650E-03}	{ 4.560E-02}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
1 15 FT. RIVER DEPTH.
2 18 FT. RIVER DEPTH. 3 18 FT. RIVER DEPTH. 4 16 FT. RIVER DEPTH

2061 100 F -5 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/23/1997	1	8.830E-02	2.360E+01	1.980E-01	< 5.050E-03	1.920E-01
		{ 3.500E-02}	{ 8.080E+00}	{ 4.950E-02}	{ 9.680E-03}	{ 4.780E-02}

2062 100 F -6 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/23/1997	2	9.800E-02	2.970E+01	2.020E-01	< 5.070E-03	1.500E-01
		{ 3.470E-02}	{ 8.260E+00}	{ 4.530E-02}	{ 8.540E-03}	{ 3.730E-02}

2067 100 F -7 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/23/1997	3	8.520E-02	2.810E+01	2.370E-01	< 5.410E-03	1.840E-01
		{ 3.380E-02}	{ 8.150E+00}	{ 5.050E-02}	{ 8.810E-03}	{ 4.260E-02}

2068 100 F -8 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/23/1997	4	1.040E-01	2.880E+01	2.600E-01	< 4.190E-03	2.290E-01
		{ 3.800E-02}	{ 8.170E+00}	{ 5.330E-02}	{ 7.780E-03}	{ 4.860E-02}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
1 15 FT. RIVER DEPTH, ENGINE RUNNING.
2 14 FT. RIVER DEPTH, ENGINE RUNNING.
3 12 FT. RIVER DEPTH, ENGINE RUNNING.
4 8 FT. RIVER DEPTH, ENGINE RUNNING.

2072 100 F -9 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/23/1997	1	8.360E-02	2.630E+01	2.580E-01	< 4.780E-03	1.670E-01
		{ 3.540E-02}	{ 8.000E+00}	{ 5.070E-02}	{ 8.800E-03}	{ 3.850E-02}

2071 100 F -10 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/23/1997	2	8.390E-02	2.540E+01	3.150E-01	2.410E-02	2.790E-
		{ 3.370E-02}	{ 7.980E+00}	{ 6.170E-02}	{ 1.550E-02}	{ 5.640E-02}

{ } - Total Propagated Analytical Uncertainty. NR - No result reported.
1 11 FT. RIVER DEPTH.
2 3 FT. RIVER DEPTH.

2016 100 N -1 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/22/1997	1	1.500E-01	3.150E+01	2.210E-01 <	1.030E-02	1.690E-01
		{ 4.720E-02}	{ 8.310E+00}	{ 4.840E-02}	{ 1.120E-02}	{ 4.080E-02} }

2017 100 N -2 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/22/1997	2	9.380E-02	3.090E+01	2.930E-01	2.880E-02	1.710E-01
		{ 3.510E-02}	{ 8.290E+00}	{ 5.810E-02}	{ 1.650E-02}	{ 4.150E-02}

2144 100 N -3 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/22/1997	3	1.000E-01	2.920E+01	3.010E-01 <	5.300E-03	1.840E-01
		{ 3.790E-02}	{ 8.190E+00}	{ 6.050E-02}	{ 9.690E-03}	{ 4.440E-02}

2146 100 N -4 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/22/1997	4	9.230E-02	2.840E+01	2.730E-01 <	1.910E-03	1.960E-01
		{ 3.750E-02}	{ 8.120E+00}	{ 5.650E-02}	{ 7.330E-03}	{ 4.550E-02}

{ } - Total Propagated Analytical Uncertainty.
1 10 FT. RIVER DEPTH.
2 20 FT. RIVER DEPTH.
3 31 FT. RIVER DEPTH, NO ANCHOR.
4 31 FT. RIVER DEPTH, NO ANCHOR.

2020 100 N -5 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/25/1997	1	NR	NR	NR	NR	NR

2151 100 N -6 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/25/1997	2	NR	NR	NR	NR	NR

2152 100 N -7 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/25/1997	3	NR	NR	NR	NR	NR

2153 100 N -8 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/25/1997	4	NR	NR	NR	NR	NR

NR - No result reported.
1 NO SAMPLE. BOAT ANCHOR WINCH BROKE AND UNABLE TO KEEP BOAT STATIONARY FOR SAMPLING.
2 NO SAMPLE. BOAT ANCHOR WINCH BROKE AND UNABLE TO KEEP BOAT STATIONARY FOR SAMPLING.
3 NO SAMPLE. BOAT ANCHOR WINCH BROKE AND UNABLE TO KEEP BOAT STATIONARY FOR SAMPLING.
4 NO SAMPLE. BOAT ANCHOR WINCH BROKE AND UNABLE TO KEEP BOAT STATIONARY FOR SAMPLING.

2154 100 N -9 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/25/1997	1	NR	NR	NR	NR	NR

2135 100 N -10 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/25/1997	2	NR	NR	NR	NR	NR

NR - No result reported.
1 NO SAMPLE. BOAT ANCHOR WINCH BROKE AND UNABLE TO KEEP BOAT STATIONARY FOR SAMPLING.
2 NO SAMPLE. BOAT ANCHOR WINCH BROKE AND UNABLE TO KEEP BOAT STATIONARY FOR SAMPLING.

2092 300 AREA -1 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/25/1997	1	9.650E-02	6.300E+01	2.440E-01 <	2.250E-03	2.090E-01
		{ 3.530E-02}	{ 1.080E+01}	{ 5.090E-02}	{ 6.720E-03}	{ 4.580E-02}

2093 300 AREA -2 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/25/1997	2	9.960E-02	4.160E+01	2.450E-01 <	7.830E-03	1.660E-01
		{ 3.700E-02}	{ 9.100E+00}	{ 5.290E-02}	{ 1.010E-02}	{ 4.140E-02}

2094 300 AREA -3 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/25/1997	3	8.390E-02	3.380E+01	2.480E-01 <	3.010E-03	2.210E-01
		{ 3.550E-02}	{ 8.670E+00}	{ 5.430E-02}	{ 7.580E-03}	{ 5.010E-02}

2095 300 AREA -4 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/25/1997	4	8.960E-02	2.930E+01	2.340E-01 <	8.660E-03	1.870E-01
		{ 3.600E-02}	{ 8.250E+00}	{ 5.160E-02}	{ 1.000E-02}	{ 4.420E-02}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
1 6 FT. DEPTH.
2 28 FT. DEPTH.
3 40 FT. DEPTH.
4 37 FT. DEPTH.

2096 300 AREA -5 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/25/1997	1	8.970E-02	2.760E+01	2.660E-01 <	4.750E-03	1.910E-01
		{ 3.400E-02}	{ 8.110E+00}	{ 5.550E-02}	{ 1.120E-02}	{ 4.510E-02}

2097 300 AREA -6 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/25/1997	2	1.030E-01	2.760E+01	2.390E-01	1.080E-02	1.900E-01
		{ 3.850E-02}	{ 8.090E+00}	{ 4.920E-02}	{ 1.030E-02}	{ 4.240E-02}

2098 300 AREA -7 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/25/1997	3	9.000E-02	2.740E+01	2.770E-01 <	1.480E-05	2.240E-01
		{ 3.480E-02}	{ 8.050E+00}	{ 5.830E-02}	{ 9.510E-03}	{ 5.050E-02}

2099 300 AREA -8 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/25/1997	4	1.110E-01	2.940E+01	2.980E-01	1.730E-02	2.580E-01
		{ 3.840E-02}	{ 8.290E+00}	{ 5.880E-02}	{ 1.380E-02}	{ 5.270E-02}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
1 6 FT. DEPTH.
2 3 FT. DEPTH.
3 8 FT. DEPTH.
4 8 FT. DEPTH.

2100 300 AREA -9 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/25/1997	1	9.170E-02	2.990E+01	2.770E-01	1.190E-02	2.030E-01
		(3.620E-02)	(8.370E+00)	(5.580E-02)	(1.100E-02)	(4.550E-02)

2101 300 AREA-10 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/25/1997	2	1.220E-01	3.330E+01	4.640E-01	1.260E-02	4.170E-01
		(4.300E-02)	(8.580E+00)	(7.920E-02)	(1.160E-02)	(7.300E-02)

( ) - Total Propagated Analytical Uncertainty.
1 14 FT. DEPTH.
2 3 FT. DEPTH.

2073 HANFORD TOWNSITE-1 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/23/1997	1	6.720E-02	1.550E+03	2.160E-01 <	5.800E-03	1.730E-01
		{ 3.290E-02}	{ 1.370E+02}	{ 4.870E-02}	{ 9.230E-03}	{ 4.200E-02}

2077 HANFORD TOWNSITE-2 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/23/1997	2	7.020E-02	5.000E+01	2.830E-01 <	1.040E-03	1.680E-01
		{ 3.240E-02}	{ 9.930E+00}	{ 5.720E-02}	{ 7.470E-03}	{ 4.150E-02}

2091 HANFORD TOWNSITE-3 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/23/1997	3	1.250E-01	3.230E+01	2.760E-01	1.670E-02	1.960E-01
		{ 4.080E-02}	{ 8.650E+00}	{ 5.760E-02}	{ 1.360E-02}	{ 4.630E-02}

2342 HANFORD TOWNSITE-4 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/23/1997	4	1.050E-01	2.750E+01	2.470E-01 <	1.170E-02	1.930E-01
		{ 3.940E-02}	{ 8.280E+00}	{ 5.410E-02}	{ 1.230E-02}	{ 4.600E-02}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
1 6 FT. RIVER DEPTH.
2 20 FT. RIVER DEPTH.
3 18 FT. RIVER DEPTH.
4 36 FT. RIVER DEPTH, ENGINE RUNNING.

2085 HANFORD TOWNSITE-5 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/23/1997	1	7.660E-02	2.990E+01	1.930E-01	1.260E-02	1.760E-01
		{ 3.580E-02}	{ 8.520E+00}	{ 4.450E-02}	{ 1.150E-02}	{ 4.150E-02}

2043 HANFORD TOWNSITE-6 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/23/1997	2	9.340E-02	2.530E+01	2.370E-01	< 5.670E-03	1.910E-01
		{ 3.620E-02}	{ 8.190E+00}	{ 5.150E-02}	{ 9.100E-03}	{ 4.460E-02}

2086 HANFORD TOWNSITE-7 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/23/1997	3	9.790E-02	2.760E+01	2.140E-01	< 2.910E-03	1.700E-01
		{ 3.650E-02}	{ 8.360E+00}	{ 4.850E-02}	{ 8.310E-03}	{ 4.120E-02}

2087 HANFORD TOWNSITE-8 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/23/1997	4	1.090E-01	2.600E+01	2.300E-01	1.600E-02	1.650E-01
		{ 3.910E-02}	{ 8.240E+00}	{ 4.990E-02}	{ 1.250E-02}	{ 4.050E-02}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
1 38 FT. RIVER DEPTH, ENGINE RUNNING.
2 41 FT. RIVER DEPTH, ENGINE RUNNING.
3 33 FT. RIVER DEPTH, ENGINE RUNNING.
4 24 FT. RIVER DEPTH, ENGINE RUNNING.

2088 HANFORD TOWNSITE-9 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/23/1997	1	8.280E-02	2.940E+01	2.160E-01 <	5.950E-03	1.710E-01
		{ 3.540E-02}	{ 8.590E+00}	{ 4.730E-02}	{ 8.510E-03}	{ 4.060E-02}

2089 HANFORD TOWNSITE-10 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
08/23/1997	2	8.390E-02	3.070E+01	2.390E-01 <	7.910E-03	1.870E-01
		{ 3.660E-02}	{ 8.650E+00}	{ 5.100E-02}	{ 1.290E-02}	{ 4.350E-02}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
1 14 FT. RIVER DEPTH, ENGINE RUNNING.
2 5 FT. RIVER DEPTH.

2102 RICHLAND PUMPHOUSE-1 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
04/01/1997		9.160E-02	3.100E+01	2.990E-01 <	-7.020E-04	2.180E-01
		(4.150E-02)	(8.690E+00)	(6.620E-02)	(5.460E-03)	(5.410E-02)
06/16/1997	1	NR	NR	NR	NR	NR
08/25/1997	2	9.490E-02	7.100E+01	1.990E-01 <	3.940E-03	1.610E-01
		(3.660E-02)	(1.140E+01)	(4.400E-02)	(8.230E-03)	(3.800E-02)
12/19/1997	3	7.720E-02	4.440E+01	2.650E-01 <	7.220E-03	1.660E-01
		(3.550E-02)	(9.320E+00)	(5.370E-02)	(9.490E-03)	(4.000E-02)
MEAN		8.790E-02	4.880E+01	2.543E-01	3.486E-03	1.817E-01
MINIMUM		7.720E-02	3.100E+01	1.990E-01 <	-7.020E-04	1.610E-01
MAXIMUM		9.490E-02	7.100E+01	2.990E-01 <	7.220E-03	2.180E-01
2STD. ERR		1.087E-02	2.351E+01	5.871E-02	4.596E-03	3.645E-02

2103 RICHLAND PUMPHOUSE-2 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
04/01/1997		5.880E-02	3.000E+01	2.540E-01 <	-4.220E-03	2.150E-01
		(4.000E-02)	(8.540E+00)	(5.840E-02)	(2.630E-03)	(5.230E-02))
06/16/1997	4	NR	NR	NR	NR	NR
08/25/1997	5	9.490E-02	4.110E+01	1.900E-01	1.160E-02	1.940E-01
		(3.800E-02)	(9.070E+00)	(4.530E-02)	(1.150E-02)	(4.480E-02)
12/19/1997	6	1.170E-01	3.860E+01	2.570E-01 <	3.290E-03	1.980E-01
		(4.270E-02)	(8.900E+00)	(5.170E-02)	(7.530E-03)	(4.370E-02)
MEAN		9.023E-02	3.657E+01	2.337E-01	3.557E-03	2.023E-01
MINIMUM		5.880E-02	3.000E+01	1.900E-01 <	-4.220E-03	1.940E-01
MAXIMUM		1.170E-01	4.110E+01	2.570E-01	1.160E-02	2.150E-01
2STD. ERR		3.392E-02	6.723E+00	4.370E-02	9.138E-03	1.288E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE.
2 8 FT. DEPTH.
3 3 FT. RIVER DEPTH. TRITIUM REFER TO 3/20/98 INCIDENT REPORT REGARDING CONTAMINATED BLANK RESULT.
4 NO SAMPLE.
5 18 FT. DEPTH.
6 8 FT. RIVER DEPTH. TRITIUM REFER TO 3/20/98 INCIDENT REPORT REGARDING CONTAMINATED BLANK RESULT.

2104 RICHLAND PUMPHOUSE-3 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
04/01/1997		9.050E-02	2.960E+01	2.460E-01 <	4.600E-03	2.140E-01
		{ 4.370E-02}	{ 8.520E+00}	{ 5.910E-02}	{ 9.240E-03}	{ 5.390E-02}
06/16/1997	1	NR	NR	NR	NR	NR
08/25/1997	2	9.890E-02	3.470E+01	2.620E-01 <	5.550E-03	1.860E-01
		{ 3.700E-02}	{ 8.640E+00}	{ 5.410E-02}	{ 9.010E-03}	{ 4.350E-02}
12/19/1997	3	6.950E-02	3.420E+01	2.640E-01	1.100E-02	2.060E-01
		{ 3.480E-02}	{ 8.570E+00}	{ 5.360E-02}	{ 1.090E-02}	{ 4.570E-02}
MEAN		8.630E-02	3.283E+01	2.573E-01	7.050E-03	2.020E-01
MINIMUM		6.950E-02	2.960E+01	2.460E-01 <	4.600E-03	1.860E-01
MAXIMUM		9.890E-02	3.470E+01	2.640E-01	1.100E-02	2.140E-01
2STD. ERR		1.749E-02	3.246E+00	1.139E-02	3.988E-03	1.665E-02

2105 RICHLAND PUMPHOUSE-4 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
04/01/1997		8.920E-02	3.590E+01	3.410E-01 <	3.280E-03	2.820E-01
		{ 3.960E-02}	{ 8.920E+00}	{ 6.690E-02}	{ 7.810E-03}	{ 5.880E-02}
06/16/1997	4	NR	NR	NR	NR	NR
08/25/1997	5	8.810E-02	3.840E+01	2.610E-01 <	8.040E-03	2.270E-01
		{ 3.430E-02}	{ 9.000E+00}	{ 5.500E-02}	{ 1.030E-02}	{ 5.000E-02}
12/19/1997	6	9.220E-02	3.330E+01	2.130E-01 <	4.380E-03	1.980E-01
		{ 5.430E-02}	{ 8.500E+00}	{ 4.980E-02}	{ 8.870E-03}	{ 4.680E-02}
MEAN		8.983E-02	3.587E+01	2.717E-01	5.233E-03	2.357E-01
MINIMUM		8.810E-02	3.330E+01	2.130E-01 <	3.280E-03	1.980E-01
MAXIMUM		9.220E-02	3.840E+01	3.410E-01 <	8.040E-03	2.820E-01
2STD. ERR		2.450E-03	2.945E+00	7.467E-02	2.878E-03	4.927E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE.
2 20 FT. DEPTH.
3 10 FT. RIVER DEPTH. TRITIUM REFER TO 3/20/98 INCIDENT REPORT REGARDING CONTAMINATED BLANK RESULT.
4 NO SAMPLE.
5 27 FT. DEPTH.
6 11 FT. RIVER DEPTH. TRITIUM REFER TO 3/20/98 INCIDENT REPORT REGARDING CONTAMINATED BLANK RESULT.

2106 RICHLAND PUMPHOUSE-5 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
04/01/1997		9.950E-02	3.440E+01	2.950E-01	1.270E-02	2.220E-01
		(4.340E-02)	(9.290E+00)	(5.900E-02)	(1.160E-02)	(4.880E-02)
06/16/1997	1	NR	NR	NR	NR	NR
08/25/1997	2	7.440E-02	2.840E+01	2.690E-01 <	1.210E-02	1.890E-01
		(3.160E-02)	(8.220E+00)	(6.690E-02)	(1.400E-02)	(5.370E-02)
12/19/1997	3	8.180E-02	3.420E+01	2.380E-01 <	-1.180E-04	1.670E-01
		(3.400E-02)	(8.500E+00)	(5.170E-02)	(6.110E-03)	(4.120E-02)
MEAN		8.523E-02	3.233E+01	2.673E-01	8.227E-03	1.927E-01
MINIMUM		7.440E-02	2.840E+01	2.380E-01 <	-1.180E-04	1.670E-01
MAXIMUM		9.950E-02	3.440E+01	2.950E-01	1.270E-02	2.220E-01
2STD. ERR		1.489E-02	3.935E+00	3.295E-02	8.353E-03	3.197E-02

2107 RICHLAND PUMPHOUSE-6 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
04/01/1997		7.980E-02	3.170E+01	2.790E-01 <	1.230E-02	2.270E-01
		(4.350E-02)	(8.650E+00)	(6.030E-02)	(1.360E-02)	(5.250E-02)
06/16/1997	3	NR	NR	NR	NR	NR
08/25/1997	4	9.100E-02	3.070E+01	2.360E-01 <	7.440E-03	1.810E-01
		(3.430E-02)	(8.390E+00)	(5.050E-02)	(9.780E-03)	(4.260E-02)
12/19/1997	5	8.730E-02	3.420E+01	2.700E-01 <	7.410E-03	2.290E-01
		(3.670E-02)	(8.540E+00)	(6.180E-02)	(1.180E-02)	(5.510E-02)
MEAN		8.603E-02	3.220E+01	2.617E-01	9.050E-03	2.123E-01
MINIMUM		7.980E-02	3.070E+01	2.360E-01 <	7.410E-03	1.810E-01
MAXIMUM		9.100E-02	3.420E+01	2.790E-01 <	1.230E-02	2.290E-01
2STD. ERR		6.589E-03	2.082E+00	2.619E-02	3.250E-03	3.135E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE.
2 6 FT. DEPTH.
3 2 FT. RIVER DEPTH. TRITIUM REFER TO 3/20/98 INCIDENT REPORT REGARDING CONTAMINATED BLANK RESULT.
4 NO SAMPLE.
5 3 FT. DEPTH.
6 2 FT. RIVER DEPTH. TRITIUM REFER TO 3/20/98 INCIDENT REPORT REGARDING CONTAMINATED BLANK RESULT.

2108 RICHLAND PUMPHOUSE-7 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
04/01/1997		7.920E-02	2.960E+01	3.360E-01	1.680E-02	1.870E-01
		{ 4.080E-02}	{ 8.480E+00}	{ 7.160E-02}	{ 1.540E-02}	{ 4.990E-02}
06/16/1997	1	NR	NR	NR	NR	NR
08/25/1997	2	1.030E-01	3.120E+01	2.610E-01 <	1.130E-02	1.810E-01
		{ 3.640E-02}	{ 8.410E+00}	{ 5.330E-02}	{ 1.180E-02}	{ 4.210E-02}
12/19/1997	3	8.210E-02	3.480E+01	2.430E-01 <	2.610E-03	2.570E-01
		{ 3.520E-02}	{ 8.610E+00}	{ 5.400E-02}	{ 9.010E-03}	{ 5.460E-02}
MEAN		8.810E-02	3.187E+01	2.800E-01	1.024E-02	2.083E-01
MINIMUM		7.920E-02	2.960E+01	2.430E-01 <	2.610E-03	1.810E-01
MAXIMUM		1.030E-01	3.480E+01	3.360E-01	1.680E-02	2.570E-01
2STD. ERR		1.499E-02	3.075E+00	5.696E-02	8.261E-03	4.879E-02

2109 RICHLAND PUMPHOUSE-8 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
04/01/1997		8.970E-02	2.610E+01	3.070E-01 <	6.260E-03	2.340E-01
		{ 3.920E-02}	{ 8.340E+00}	{ 6.490E-02}	{ 9.710E-03}	{ 5.430E-02}
06/16/1997	4	NR	NR	NR	NR	NR
08/25/1997	5	1.080E-01	3.000E+01	2.340E-01 <	-8.330E-04	1.930E-01
		{ 3.700E-02}	{ 8.350E+00}	{ 5.230E-02}	{ 6.620E-03}	{ 4.570E-02}
12/19/1997	6	4.910E-02	2.990E+01	2.890E-01 <	7.510E-03	2.370E-01
		{ 2.940E-02}	{ 8.230E+00}	{ 5.660E-02}	{ 1.040E-02}	{ 4.940E-02}
MEAN		8.227E-02	2.867E+01	2.767E-01	4.312E-03	2.213E-01
MINIMUM		4.910E-02	2.610E+01	2.340E-01 <	-8.330E-04	1.930E-01
MAXIMUM		1.080E-01	3.000E+01	3.070E-01 <	7.510E-03	2.370E-01
2STD. ERR		3.481E-02	2.567E+00	4.391E-02	5.196E-03	2.839E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE.
2 18 FT. DEPTH.
3 8 FT. RIVER DEPTH. TRITIUM REFER TO 3/20/98 INCIDENT REPORT REGARDING CONTAMINATED BLANK RESULT.
4 NO SAMPLE.
5 24 FT. DEPTH.
6 12 FT. RIVER DEPTH. TRITIUM REFER TO 3/20/98 INCIDENT REPORT REGARDING CONTAMINATED BLANK RESULT.

2110 RICHLAND PUMPHOUSE-9 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
04/01/1997		9.720E-02	3.210E+01	2.560E-01	1.880E-02	2.340E-01
		{ 4.370E-02}	{ 8.680E+00}	{ 6.010E-02}	{ 1.590E-02}	{ 5.610E-02}
06/16/1997	1	NR	NR	NR	NR	NR
08/25/1997	2	7.170E-02	3.320E+01	2.790E-01 <	5.900E-03	2.330E-01
		{ 3.120E-02}	{ 8.610E+00}	{ 5.730E-02}	{ 9.350E-03}	{ 5.040E-02}
12/19/1997	3	6.720E-02	3.240E+01	2.630E-01 <	1.900E-03	2.340E-01
		{ 3.450E-02}	{ 8.400E+00}	{ 5.360E-02}	{ 8.050E-03}	{ 4.920E-02}
MEAN		7.870E-02	3.257E+01	2.660E-01	8.867E-03	2.337E-01
MINIMUM		6.720E-02	3.210E+01	2.560E-01 <	1.900E-03	2.330E-01
MAXIMUM		9.720E-02	3.320E+01	2.790E-01	1.880E-02	2.340E-01
2STD. ERR		1.868E-02	6.566E-01	1.361E-02	1.020E-02	6.667E-04

2111 RICHLAND PMPHOUSE-10 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
04/01/1997		7.310E-02	3.260E+01	3.360E-01 <	1.010E-02	2.600E-01
		{ 3.790E-02}	{ 8.720E+00}	{ 7.200E-02}	{ 1.220E-02}	{ 6.090E-02}
06/16/1997	4	NR	NR	NR	NR	NR
08/25/1997	5	8.800E-02	3.120E+01	3.770E-01 <	1.030E-02	2.740E-
		{ 3.470E-02}	{ 8.400E+00}	{ 6.610E-02}	{ 1.050E-02}	{ 5.330E-02}
12/19/1997	6	6.300E-02	4.290E+01	3.860E-01	1.530E-02	3.330E-01
		{ 3.410E-02}	{ 9.090E+00}	{ 6.810E-02}	{ 1.190E-02}	{ 6.110E-02}
MEAN		7.470E-02	3.557E+01	3.663E-01	1.190E-02	2.890E-01
MINIMUM		6.300E-02	3.120E+01	3.360E-01 <	1.010E-02	2.600E-01
MAXIMUM		8.800E-02	4.290E+01	3.860E-01	1.530E-02	3.330E-01
2STD. ERR		1.452E-02	7.378E+00	3.078E-02	3.402E-03	4.474E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE.
2 21 FT. DEPTH.
3 4 FT. RIVER DEPTH. TRITIUM REFER TO 3/20/98 INCIDENT REPORT REGARDING CONTAMINATED BLANK RESULT.
4 NO SAMPLE.
5 6 FT. DEPTH.
6 2 FT. RIVER DEPTH. TRITIUM REFER TO 3/20/98 INCIDENT REPORT REGARDING CONTAMINATED BLANK RESULT.

2012 VERNITA-1 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
03/31/1997		1.000E-01	2.970E+01	2.670E-01 <	7.100E-03	2.550E-01
		{ 4.350E-02}	{ 8.510E+00}	{ 5.670E-02}	{ 9.560E-03}	{ 5.430E-02}
06/13/1997	1	NR	NR	NR	NR	NR
08/22/1997	2	8.610E-02	2.700E+01	2.450E-01 <	8.240E-03	1.720E-01
		{ 3.480E-02}	{ 8.070E+00}	{ 5.130E-02}	{ 1.030E-02}	{ 4.080E-02}
12/18/1997	3	5.730E-02	2.850E+01	2.520E-01 <	6.420E-03	2.080E-01
		{ 3.150E-02}	{ 8.190E+00}	{ 5.410E-02}	{ 1.050E-02}	{ 4.760E-02}
MEAN		8.113E-02	2.840E+01	2.547E-01	7.253E-03	2.117E-01
MINIMUM		5.730E-02	2.700E+01	2.450E-01 <	6.420E-03	1.720E-01
MAXIMUM		1.000E-01	2.970E+01	2.670E-01 <	8.240E-03	2.550E-01
2STD. ERR		2.515E-02	1.562E+00	1.298E-02	1.062E-03	4.806E-02

2013 VERNITA-2 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
03/31/1997		8.320E-02	3.120E+01	2.980E-01 <	5.930E-03	1.700E-01
		{ 3.940E-02}	{ 8.590E+00}	{ 6.650E-02}	{ 1.070E-02}	{ 4.760E-02}
06/13/1997	4	NR	NR	NR	NR	NR
08/22/1997	5	1.060E-01	2.550E+01	2.300E-01 <	7.310E-03	2.050E-01
		{ 3.800E-02}	{ 7.980E+00}	{ 4.980E-02}	{ 9.670E-03}	{ 4.580E-02}
12/18/1997	6	7.050E-02	2.820E+01	2.750E-01 <	9.880E-03	1.940E-01
		{ 3.310E-02}	{ 8.170E+00}	{ 6.190E-02}	{ 1.370E-02}	{ 5.030E-02}
MEAN		8.657E-02	2.830E+01	2.677E-01	7.707E-03	1.897E-01
MINIMUM		7.050E-02	2.550E+01	2.300E-01 <	5.930E-03	1.700E-01
MAXIMUM		1.060E-01	3.120E+01	2.980E-01 <	9.880E-03	2.050E-01
2STD. ERR		2.077E-02	3.292E+00	3.994E-02	2.315E-03	2.067E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE.
2 9 FT. SAMPLE DEPTH.
3 7 FT. RIVER DEPTH.
4 NO SAMPLE.
5 20 FT. SAMPLE DEPTH.
6 13 FT. RIVER DEPTH.

2014 VERNITA-3 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
03/31/1997		9.090E-02	3.170E+01	2.840E-01 <	7.460E-03	1.910E-01
		{ 3.930E-02}	{ 8.640E+00}	{ 6.210E-02}	{ 1.330E-02}	{ 4.840E-02}
06/13/1997	1	NR	NR	NR	NR	NR
08/22/1997	2	9.080E-02	2.600E+01	2.890E-01	1.150E-02	1.910E-01
		{ 3.580E-02}	{ 7.970E+00}	{ 5.740E-02}	{ 1.120E-02}	{ 4.400E-02}
12/18/1997	3	7.030E-02	3.000E+01	2.580E-01 <	7.280E-03	2.080E-01
		{ 3.360E-02}	{ 8.360E+00}	{ 5.370E-02}	{ 9.470E-03}	{ 4.620E-02}
MEAN		8.400E-02	2.923E+01	2.770E-01	8.747E-03	1.967E-01
MINIMUM		7.030E-02	2.600E+01	2.580E-01 <	7.280E-03	1.910E-01
MAXIMUM		9.090E-02	3.170E+01	2.890E-01	1.150E-02	2.080E-01
2STD. ERR		1.370E-02	3.379E+00	1.922E-02	2.755E-03	1.133E-02

2015 VERNITA-4 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
03/31/1997		7.470E-02	3.730E+01	3.300E-01 <	9.400E-03	2.040E-01
		{ 3.880E-02}	{ 9.070E+00}	{ 7.190E-02}	{ 1.370E-02}	{ 5.360E-02}
06/13/1997	4	NR	NR	NR	NR	NR
08/22/1997	5	9.320E-02	2.330E+01	2.580E-01 <	3.600E-03	2.150E-01
		{ 3.930E-02}	{ 7.790E+00}	{ 5.350E-02}	{ 8.050E-03}	{ 4.710E-02}
12/18/1997	6	7.010E-02	2.330E+01	2.680E-01 <	6.750E-03	2.570E-01
		{ 3.320E-02}	{ 7.810E+00}	{ 5.560E-02}	{ 9.110E-03}	{ 5.350E-02}
MEAN		7.933E-02	2.797E+01	2.853E-01	6.583E-03	2.253E-01
MINIMUM		7.010E-02	2.330E+01	2.580E-01 <	3.600E-03	2.040E-01
MAXIMUM		9.320E-02	3.730E+01	3.300E-01 <	9.400E-03	2.570E-01
2STD. ERR		1.412E-02	9.333E+00	4.504E-02	3.353E-03	3.230E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE.
2 12 FT. SAMPLE DEPTH.
3 8 FT. RIVER DEPTH.
4 NO SAMPLE.
5 8 FT. SAMPLE DEPTH.
6 9 FT. RIVER DEPTH.

3211 100 N SPRING-1A (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	LO_TRITIUM PCI/L
09/08/1997	1	< 7.440E-02	< 4.590E-02	2.310E-01	9.980E+02
		{ 1.170E+00}	{ 1.060E+00}	{ 6.020E-02}	{ 9.020E+01}

3213 100 N SPRING-1B (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	LO_TRITIUM PCI/L
09/08/1997	2	< 8.190E-01	< -9.040E-01	2.970E-01	2.270E+02
		{ 9.680E-01}	{ 1.130E+00}	{ 7.020E-02}	{ 2.480E+01}

3215 100 N SPRING-1C (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	LO_TRITIUM PCI/L
09/08/1997	3	1.190E+00	< 9.340E-01	2.990E-01	3.200E+02
		{ 8.510E-01}	{ 1.040E+00}	{ 7.330E-02}	{ 3.260E+01}

3217 100 N SPRING-1D (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	LO_TRITIUM PCI/L
09/08/1997	4	< 1.230E+00	< 1.160E+00	2.940E-01	3.120E+02
		{ 1.480E+00}	{ 1.620E+00}	{ 6.900E-02}	{ 3.180E+01}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
1 8 INCH DEPTH.
2 3 FT. DEPTH.
3 5 FT. DEPTH.
4 6 FT. DEPTH.

3237 100 N SPRING-2 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	LO_TRITIUM PCI/L
09/08/1997	1	< 4.070E-01	< 4.790E-01	7.230E-01	6.570E+01
		{ 9.210E-01}	{ 1.260E+00}	{ 1.510E-01}	{ 1.160E+01}

3219 100 N SPRING-3A (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	LO_TRITIUM PCI/L
09/08/1997	2	< .000E+00	< 3.540E-01	3.870E+00	6.770E+01
		{ 1.090E+00}	{ 1.150E+00}	{ 7.410E-01}	{ 1.180E+01}

3221 100 N SPRING-3B (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	LO_TRITIUM PCI/L
09/08/1997	3	< -8.760E-01	< -3.880E-01	4.550E+00	7.310E+01
		{ 1.370E+00}	{ 1.250E+00}	{ 8.690E-01}	{ 1.220E+01}

3223 100 N SPRING-3C (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	LO_TRITIUM PCI/L
09/08/1997	4	< -1.110E+00	< -5.470E-01	3.760E+00	7.190E+01
		{ 1.460E+00}	{ 9.540E-01}	{ 7.010E-01}	{ 1.210E+01}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
1 6 INCH DEPTH.
2 6 INCH DEPTH.
3 2 FT. DEPTH.
4 4.5 FT. DEPTH.

3225 100 N SPRING-3D (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	LO_TRITIUM PCI/L
09/08/1997	1	< -8.560E-02	1.160E+00	1.360E+00	6.550E+01
		{ 1.110E+00}	{ 9.580E-01}	{ 2.640E-01}	{ 1.160E+01}

3227 100 N SPRING-4A (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	LO_TRITIUM PCI/L
09/08/1997	2	< -3.970E-01	< 5.680E-01	1.280E-01	6.390E+01
		{ 1.060E+00}	{ 1.260E+00}	{ 4.140E-02}	{ 1.160E+01}

3229 100 N SPRING-4B (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	LO_TRITIUM PCI/L
09/08/1997	3	6.130E+01
		{ 1.130E+01}

3231 100 N SPRING-4C (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	LO_TRITIUM PCI/L
09/08/1997	4	6.320E+01
		{ 1.140E+01}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
1 6 FT. DEPTH.
2 6 INCH DEPTH.
3 2 FT. DEPTH.
4 3.5 FT. DEPTH.

3233 100 N SPRING-4D (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	LO_TRITIUM PCI/L
09/08/1997	1	6.120E+01
		{ 1.140E+01}

3239 100 N SPRING-5 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	LO_TRITIUM PCI/L
09/08/1997	2	< -7.450E-01	< -1.530E-01	1.010E-01	3.730E+01
		{ 1.160E+00}	{ 1.510E+00}	{ 3.630E-02}	{ 9.590E+00}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
1 5 FT. DEPTH.
2 6 INCH DEPTH.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/01/1997 TO 12/31/1997
SURFACE WATER - RIVERBANK SPRING WATER

2116 100 N SPRING 8-13 (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TRITIUM PCI/L
11/03/1997	1	7.210E-01	3.480E+00	2.150E+00 <	7.180E-01	5.910E-01	1.890E+04
		{ 6.470E-01}	{ 1.600E+00}	{ 1.650E+00}	{ 8.480E-01}	{ 1.340E-01}	{ 1.480E+03}

2112 100-B SPRING (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99 PCI/L	TRITIUM PCI/L
10/23/1997		1.180E+00	6.550E+00 <	1.830E-01 <	1.050E+00 <	2.420E-02	5.830E+00	1.110E+04
		{ 8.870E-01}	{ 1.940E+00}	{ 1.120E+00}	{ 1.140E+00}	{ 3.040E-02}	{ 1.060E+00}	{ 9.120E+02}

2120 100-D SPRING (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TRITIUM PCI/L
10/27/1997		8.570E-01	2.070E+00 <	-3.700E-01 <	-5.350E-01	1.680E+00	3.560E+02
		{ 5.980E-01}	{ 1.600E+00}	{ 1.400E+00}	{ 1.190E+00}	{ 3.280E-01}	{ 1.620E+02}

2114 100-K SPRING (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TRITIUM PCI/L
11/03/1997		5.610E-01 <	1.380E+00 <	-5.940E-01 <	-3.210E-01	5.930E-01 <	1.080E+02
		{ 5.050E-01}	{ 1.390E+00}	{ 1.190E+00}	{ 9.980E-01}	{ 1.290E-01}	{ 1.410E+02}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
1 SAMPLE COLLECTED 60 YARDS UPRIVER FROM RAD ZONE.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/01/1997 TO 12/31/1997
SURFACE WATER - RIVERBANK SPRING WATER

2124 100-F SPRING (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L
10/23/1997		3.080E+00	3.780E+00 <	-1.260E+00 <	-1.060E+00	3.420E-02	1.140E+03	2.440E+00	1.340E-01
		(1.280E+00)	(1.750E+00)	(1.210E+00)	(1.220E+00)	(3.290E-02)	(2.100E+02)	(3.000E-01)	(3.780E-02)

2124 100-F SPRING (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	U-238 PCI/L
10/23/1997		1.990E+00
		(2.510E-01)

2122 100-H SPRING (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99 PCI/L	TRITIUM PCI/L	U-234 PCI/L
10/27/1997		2.400E+00	3.270E+01 <	3.240E-01 <	3.120E-02	1.740E+01	1.830E+01	4.280E+02	8.680E-01
		(9.960E-01)	(4.190E+00)	(9.390E-01)	(9.480E-01)	(3.070E+00)	(2.380E+00)	(1.670E+02)	(1.200E-01)

2122 100-H SPRING (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	U-235 PCI/L	U-238 PCI/L
10/27/1997		3.780E-02	7.590E-01
		(1.770E-02)	(1.080E-01)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.

2128 300 AREA SPRING 42-2 (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	TC-99 PCI/L	TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L
10/27/1997		4.480E+01	7.570E+00 <	6.650E-01 <	-4.280E-01	8.760E+00	7.880E+03	2.690E+01	1.280E+00
		{ 8.160E+00}	{ 1.980E+00}	{ 1.310E+00}	{ 1.250E+00}	{ 1.360E+00}	{ 6.820E+02}	{ 2.830E+00}	{ 1.650E-01}

2128 300 AREA SPRING 42-2 (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	U-238 PCI/L
10/27/1997		2.460E+01
		{ 2.590E+00}

2788 300 AREA SPRING 42-2 (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	I-129 PCI/L
10/27/1997		5.471E-03
		{ 5.799E-04}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/01/1997 TO 12/31/1997
SURFACE WATER - RIVERBANK SPRING WATER

2126 HANFORD SPRING 28-2 (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	TC-99 PCI/L	TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L
10/27/1997		< 1.050E-01	1.820E+01	< 3.700E-01	< -6.120E-02	4.340E+01	5.550E+04	1.230E+00	2.950E-02
		{ 3.820E-01}	{ 2.930E+00}	{ 1.240E+00}	{ 9.830E-01}	{ 5.090E+00}	{ 4.150E+03}	{ 1.700E-01}	{ 1.790E-02}

2126 HANFORD SPRING 28-2 (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	U-238 PCI/L
10/27/1997		7.730E-01
		{ 1.180E-01}

2787 HANFORD SPRING 28-2 (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	I-129 PCI/L
10/27/1997		1.351E-01
		{ 8.106E-03}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/04/1997 TO 01/06/1998
SPECIAL - WATER

3320 100 N SPRING (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TRITIUM PCI/L
11/03/1997	1	2.770E+00	1.560E+04	< 7.420E-02	< 3.520E-01	9.870E+03	1.370E+04
		{ 1.210E+00}	{ 1.450E+03}	{ 1.770E+00}	{ 1.490E+00}	{ 1.850E+03}	{ 1.100E+03}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
1 COLLECTED BELOW WELL BLDG. NEAR 199-8T.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/01/1997 TO 12/31/1997
SURFACE WATER - ONSITE PONDS

2131 WEST LAKE (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99 PCI/L	TRITIUM PCI/L	U-234 PCI/L
01/13/1997		4.840E+01	5.110E+01 <	-1.380E+00 <	5.290E-01	2.130E-01 <	1.390E+00	3.470E+02	3.640E+01
		(1.650E+01)	(5.990E+00)	(1.470E+00)	(1.170E+00)	(8.270E-02)	(2.130E+00)	(1.570E+02)	(3.850E+00)
04/25/1997	1	2.090E+02	4.020E+02 <	-7.740E-01 <	2.410E+00	NR	1.500E+00	3.510E+02	1.540E+02
		(1.170E+02)	(8.920E+01)	(2.710E+00)	(2.750E+00)		(1.070E+00)	(1.570E+02)	(1.680E+01)
07/25/1997		1.190E+03	8.100E+03 <	-1.740E+00 <	1.200E+00	3.940E+00	7.870E+00 <	1.160E+02	7.140E+02
		(3.090E+02)	(9.530E+02)	(4.450E+00)	(4.650E+00)	(8.450E-01)	(1.210E+00)	(1.510E+02)	(8.120E+01)
10/14/1997		7.130E+02	8.180E+02 <	2.040E+00	3.130E+01	2.620E+01	3.770E+01	3.000E+02	2.360E+02
		(2.200E+02)	(1.130E+02)	(6.710E+00)	(1.120E+01)	(4.660E+00)	(4.480E+00)	(1.650E+02)	(2.740E+01)
MEAN		5.401E+02	2.343E+03	-4.635E-01	8.860E+00	1.012E+01	1.212E+01	2.785E+02	2.851E+02
MINIMUM		4.840E+01	5.110E+01 <	-1.740E+00 <	5.290E-01	2.130E-01 <	1.390E+00 <	1.160E+02	3.640E+01
MAXIMUM		1.190E+03	8.100E+03 <	2.040E+00	3.130E+01	2.620E+01	3.770E+01	3.510E+02	7.140E+02
2STD. ERR		5.176E+02	3.851E+03	1.716E+00	1.498E+01	1.623E+01	1.732E+01	1.108E+02	2.974E+02

2131 WEST LAKE (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	U-235 PCI/L	U-238 PCI/L
01/13/1997		1.720E+00	3.440E+01
		(2.170E-01)	(3.640E+00)
04/25/1997	2	5.170E+00	1.330E+02
		(1.030E+00)	(1.460E+01)
07/25/1997		2.530E+01	6.640E+02
		(3.700E+00)	(7.560E+01)
10/14/1997		9.770E+00	2.240E+02
		(1.720E+00)	(2.610E+01)
MEAN		1.049E+01	2.639E+02
MINIMUM		1.720E+00	3.440E+01
MAXIMUM		2.530E+01	6.640E+02
2STD. ERR		1.041E+01	2.778E+02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 SR-90 REFER TO 9/5/97 INCIDENT REPORT, RESULT LOST DURING SEPERATION.
2 SR-90 REFER TO 9/5/97 INCIDENT REPORT, RESULT LOST DURING SEPERATION.

2755 B POND EXTENSION (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TRITIUM PCI/L
01/13/1997		< 1.090E-01	1.870E+01	1.920E+00 <	4.580E-01	1.690E+00	8.990E+03
		(1.070E+00)	(3.370E+00)	(1.430E+00)	(9.540E-01)	(3.990E-01)	(7.580E+02)
04/28/1997	1	< 4.810E-01	1.800E+00 <	-8.260E-01 <	8.550E-01 <	1.100E-01	2.090E+02
		(5.300E-01)	(1.440E+00)	(1.350E+00)	(9.710E-01)	(2.030E-01)	(1.490E+02)
07/25/1997		< 3.880E-02 <	1.840E-01 <	-1.330E+00 <	4.100E-01	1.170E-01 <	1.300E+02
		(2.240E-01)	(1.270E+00)	(2.540E+00)	(2.200E+00)	(5.280E-02)	(1.520E+02)
10/14/1997	2	NR	NR	NR	NR	NR	NR
MEAN		2.096E-01	6.895E+00	-7.867E-02	5.743E-01	6.390E-01	3.110E+03
MINIMUM		< 3.880E-02 <	1.840E-01 <	-1.330E+00 <	4.100E-01 <	1.100E-01 <	1.300E+02
MAXIMUM		< 4.810E-01	1.870E+01	1.920E+00 <	8.550E-01	1.690E+00	8.990E+03
2STD. ERR		2.744E-01	1.184E+01	2.020E+00	2.820E-01	1.051E+00	5.881E+03

2133 FFTF POND (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	TRITIUM PCI/L
01/13/1997		< 2.180E-01	2.110E+00 <	9.140E-01 <	-4.410E-01	1.890E+02
		(4.190E-01)	(1.530E+00)	(1.110E+00)	(1.210E+00)	(1.480E+02)
04/25/1997	3	< 1.820E+00	1.590E+01 <	6.620E-01 <	6.240E-01	5.060E+03
		(2.170E+00)	(3.160E+00)	(1.300E+00)	(9.180E-01)	(4.760E+02)
07/21/1997		< -2.350E-01	2.380E+01 <	7.890E-01 <	-2.900E-01	3.970E+03
		(1.440E+00)	(4.250E+00)	(1.830E+00)	(1.610E+00)	(4.050E+02)
10/14/1997		< 2.510E-01	1.310E+01	1.870E+00 <	-4.920E-01	4.550E+03
		(7.510E-01)	(2.520E+00)	(1.140E+00)	(1.760E+00)	(4.490E+02)
MEAN		5.135E-01	1.373E+01	1.059E+00	-1.498E-01	3.442E+03
MINIMUM		< -2.350E-01	2.110E+00 <	6.620E-01 <	-4.920E-01	1.890E+02
MAXIMUM		< 1.820E+00	2.380E+01	1.870E+00 <	6.240E-01	5.060E+03
2STD. ERR		8.988E-01	8.973E+00	5.505E-01	5.229E-01	2.214E+03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 COLLECTED FROM 216-B-3A-1 LINE.
2 NO SAMPLE. POND DRY.
3 COLLECTED FROM WELL BUILDING. POND DRIED AND OVERGROWN WITH VEGETATION.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/01/1997 TO 12/31/1997
SURFACE WATER - IRRIGATION

2141 RIVERVIEW CANAL (IRRIGATION , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L
05/15/1997		1.090E+00	4.200E+01 <	-2.230E-01 <	1.070E-01	NR	2.800E+01	4.250E-01	1.770E-02
		{ 8.640E-01}	{ 6.110E+00}	{ 1.090E+00}	{ 1.280E+00}		{ 9.270E+00}	{ 7.320E-02}	{ 1.320E-02}
06/03/1997		< -3.890E-02 <	6.860E-01	2.360E+00 <	-2.760E+00	5.230E-02	3.340E+01	3.210E-01	1.470E-02
		{ 3.040E-01}	{ 8.050E-01}	{ 1.680E+00}	{ 2.640E+00}	{ 3.050E-02}	{ 8.710E+00}	{ 6.160E-02}	{ 1.280E-02}
07/21/1997		4.180E-01	1.690E+00 <	-2.300E+00 <	-1.950E+00	8.020E-02	2.890E+01	2.830E-01 <	9.470E-03
		{ 3.450E-01}	{ 1.350E+00}	{ 3.360E+00}	{ 2.020E+00}	{ 4.210E-02}	{ 8.510E+00}	{ 8.010E-02}	{ 1.500E-02}
MEAN		4.897E-01	1.479E+01	-5.433E-02	-1.534E+00	6.625E-02	3.010E+01	3.430E-01	1.396E-02
MINIMUM		< -3.890E-02 <	6.860E-01 <	-2.300E+00 <	-2.760E+00	5.230E-02	2.800E+01	2.830E-01 <	9.470E-03
MAXIMUM		1.090E+00	4.200E+01	2.360E+00 <	1.070E-01	8.020E-02	3.340E+01	4.250E-01	1.770E-02
2STD. ERR		6.557E-01	2.721E+01	2.696E+00	1.707E+00	2.790E-02	3.341E+00	8.488E-02	4.809E-03

2141 RIVERVIEW CANAL (IRRIGATION , RAW GRAB , UNFILTERED)

OFF DATE	COM	U-238 PCI/L
05/15/1997		4.110E-01
		{ 7.070E-02
06/03/1997		2.130E-01
		{ 4.720E-02}
07/21/1997		2.370E-01
		{ 7.160E-02}
MEAN		2.870E-01
MINIMUM		2.130E-01
MAXIMUM		4.110E-01
2STD. ERR		1.248E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.

Table W-1. Preliminary USGS Columbia River Water Quality Data for Vemita Bridge Near Priest Rapids Dam, Washington
(mg/L unless otherwise noted)

Sample Date	Discharge, instananeous (cfs)	Specific Conductance (uS/cm)	pH	Water Temp. deg °C	Turbidity (NTU)	Oxygen, dissolved	Oxygen, dissolved % saturation	Hardness, total (as $CaCO_3$)	Hardness, noncarb, dissolved (as CaCO3)	Magnesium	Sodium
01/22/97	150000	151	7.7	3	0.4	13.3	100	67	8	4.7	2.2
03/03/97	140000	152	8	3	0.7	14	105	70	8	4.9	2.4
04/15/97	110000	157	8	7	4	12.8	106	71	8	5.1	3
05/13/97	260000	134	7.4	11	3.1	13.8	126	59	4	4.1	2.4
05/27/97	300000	121	7.9	12	2.4	13.6	127	54	5	3.7	2.3
06/05/97	350000	111	7.9	12	4.7	13.4	125	48	3	3.3	2.1
06/18/97	360000	112	7.9	13.5	4.1	13.4	130	50	3	3.4	1.9
07/09/97	200000	115	8.1	16.5	1.9	11.4	118	49	4	3.3	1.9
08/12/97	140000	122	8.1	19	0.7	10.5	114	54	2	3.6	1.9
10/28/97	69000	133	8.1	14	0.3	10.8	106	60	8	3.9	2
12/09/97	160000	135	7.9	8.5	0.3	11.1	94	60	4	4.1	1.9

Sample Date	Sodium, percent	Sodium adsorption ratio	Potassium	Alkalinity, dissolved total (as $CaCO_3$)	Bicarbonate, dissolved	Carbonate, dissolved	Sulfate	Chloride	Fluoride	Silica	Residue, 180 Celsius
01/22/97	7	0.1	0.8	59	72	0	9.9	1.1	< 0.1	5.5	88
03/03/97	7	0.1	0.8	62	76	0	11	1.5	< 0.1	6.1	89
04/15/97	8	0.2	1	62	76	0	11	1.4	0.1	8.1	96
05/13/97	8	0.1	0.6	55	67	0	8.5	1.2	< 0.1	9.1	77
05/27/97	8	0.1	0.7	49	60	0	6.8	1	< 0.1	8.9	76
06/05/97	8	0.1	0.7	45	55	0	5.8	0.8	< 0.1	7.9	71
06/18/97	7	0.1	0.7	47	57	0	5.5	0.7	< 0.1	7.2	71
07/09/97	8	0.1	0.7	45	55	0	5	0.6	< 0.1	5.9	74
08/12/97	7	0.1	0.7	52	63	0	7	0.7	< 0.1	5.1	77
10/28/97	7	0.1	0.7	52	63	0	8	0.8	< 0.1	4.8	76
12/09/97	6	0.1	0.7	56	68	0	8.5	0.9	< 0.1	4.9	78

Sample Date	Solids, sum of constituents	Solids, dissolved tons/ac-ft	Filtered Nitrite	Filtered NO2+NO3	Ammonia	Total Kjeldahl-N	Total Phosphorus	Filtered Phosphorus	Filtered Ortho-Phosphorus	Aluminum (ug/L)	Barium (ug/L)
01/22/97	80	0.12	< 0.001	0.17	< 0.002	< 0.2	< 0.01	< 0.01	0.002	3	29
03/03/97	85	0.12	0.002	0.15	< 0.002	< 0.2	0.02	< 0.01	< 0.001	14	29
04/15/97	88	0.13	< 0.001	0.26	< 0.002	< 0.2	0.02	< 0.01	0.006	80	34
05/13/97	76	0.1	0.002	0.093	< 0.002	< 0.2	0.04	< 0.01	0.004	8	29
05/27/97	69	0.1	0.003	0.077	0.008	< 0.2	0.03	< 0.01	0.004	11	27
06/05/97	62	0.1	0.002	0.063	< 0.002	< 0.2	< 0.01	< 0.01	0.002	14	27
06/18/97	62	0.1	0.002	0.056	< 0.002	< 0.2	< 0.01	0.02	0.004	15	28
07/09/97	59	0.1	0.003	0.04	0.003	< 0.2	< 0.01	< 0.01	0.002	9	30
08/12/97	66	0.1	0.006	0.048	< 0.002	< 0.2	< 0.01	< 0.01	0.001	7	28
10/28/97	69	0.1	0.002	0.13	0.002	0.1	< 0.01	< 0.01	0.002	4	24
12/09/97	72	0.11	< 0.001	0.11	< 0.002	< 0.1	0.01	0.01	0.003	3	27

Table W-1. Preliminary USGS Columbia River Water Quality Data for Vernita Bridge Near Priest Rapids Dam, Washington (contd)
(mg/L unless otherwise noted)

Sample Date	Cobalt (ug/L)	Iron (ug/L)	Lithium (ug/L)	Manganese (ug/L)	Molybdenum (ug/L)	Nickel (ug/L)	Silver (ug/L)	Strontium (ug/L)	Vanadium (ug/L)	Organic carbon	Acetochlor (ug/L)
01/22/97	< 1	5	< 4	2	< 1	4	< 1	94	< 6	1.1	< 0.002
03/03/97	< 1	13	< 4	< 1	< 1	< 1	< 1	100	< 6	1.6	< 0.002
04/15/97	< 1	66	< 4	2	< 1	< 1	< 1	100	< 6	1.9	< 0.002
05/13/97	< 1	20	< 4	7	< 1	< 1	< 1	77	< 6	2.5	< 0.002
05/27/97	< 1	17	< 4	1	< 1	< 1	< 1	74	< 6	2.7	< 0.002
06/05/97	< 1	17	< 4	1	< 1	< 1	< 1	67	< 6	2.3	< 0.002
06/18/97	< 1	15	< 4	2	< 1	< 1	< 1	66	< 6	3.6	< 0.002
07/09/97	< 1	6	< 4	< 1	< 1	< 1	< 1	66	< 6	2.3	< 0.002
08/12/97	< 1	6	< 4	< 1	< 1	< 1	< 1	82	< 6	1.8	< 0.002
10/28/97	< 1	< 3	< 4	< 1	< 1	< 1	< 1	91	< 6	1.3	< 0.002
12/09/97	< 1	< 10	< 4	< 1	< 1	< 1	< 1	86	< 6	1.3	< 0.002

Sample Date	Alachlor (ug/L)	Desethylatrazine (ug/L)	Atrazine (ug/L)	Azinphos-Methyl (ug/L)	Benfluralin (ug/L)	Butylate (ug/L)	Carbaryl (ug/L)	Carbofuran (ug/L)	Chlorpyrifos (ug/L)	Cyanazine (ug/L)	DCPA (ug/L)
01/22/97	< 0.002	< 0.002	< 0.001	< 0.001	< 0.002	< 0.002	< 0.003	< 0.003	< 0.004	< 0.004	< 0.002
03/03/97	< 0.002	< 0.002	< 0.001	< 0.001	< 0.002	< 0.002	< 0.003	< 0.003	< 0.004	< 0.004	< 0.002
04/15/97	< 0.002	0.002 E	0.002 E	< 0.001	< 0.002	< 0.002	< 0.003	< 0.003	0.005	< 0.004	< 0.002
05/13/97	< 0.002	< 0.002	< 0.001	< 0.001	< 0.002	< 0.002	0.004 E	< 0.003	< 0.004	< 0.004	< 0.002
05/27/97	< 0.002	< 0.002	< 0.001	< 0.001	< 0.002	< 0.002	< 0.003	< 0.003	< 0.004	< 0.004	0.001 E
06/05/97	< 0.002	0.0004 E	0.001 E	0.009 E	< 0.002	0.001 E	0.001 E	< 0.003	< 0.004	< 0.004	0.001 E
06/16/97	< 0.002	< 0.002	0.002 E	< 0.001	< 0.002	< 0.002	< 0.003	< 0.003	< 0.004	< 0.004	0.001 E
07/09/97	< 0.002	< 0.002	< 0.001	< 0.001	< 0.002	< 0.002	< 0.003	< 0.003	< 0.004	< 0.004	0.002 E
08/12/97	< 0.002	< 0.002	< 0.001	0.011 E	< 0.002	< 0.002	< 0.003	< 0.003	< 0.004	< 0.004	< 0.002
10/28/97	< 0.002	0.003 E	0.003 E	< 0.001	< 0.002	< 0.002	< 0.003	< 0.003	< 0.004	< 0.004	0.001 E
12/09/97	< 0.002	< 0.002	< 0.001	< 0.001	< 0.002	< 0.002	< 0.003	< 0.003	< 0.004	< 0.004	< 0.002

Sample Date	p,p-DDE (ug/L)	Diazinon (ug/L)	Dieldrin (ug/L)	Diethylanaline (ug/L)	Disulfoton (ug/L)	EPTC (ug/L)	Ethalfluralin (ug/L)	Ethoprop (ug/L)	Fonofos (ug/L)	alphaHCH (ug/L)	gammaHCH (ug/L)
01/22/97	< 0.006	< 0.002	< 0.001	< 0.003	< 0.017	< 0.002	< 0.004	< 0.003	< 0.003	< 0.002	< 0.004
03/03/97	< 0.006	< 0.002	< 0.001	< 0.003	< 0.017	< 0.002	< 0.004	< 0.003	< 0.003	< 0.002	< 0.004
04/15/97	< 0.006	< 0.002	< 0.001	< 0.003	< 0.017	< 0.002	< 0.004	< 0.003	< 0.003	< 0.002	< 0.004
05/13/97	< 0.006	< 0.002	< 0.001	< 0.003	< 0.017	< 0.002	< 0.004	< 0.003	< 0.003	< 0.002	< 0.004
05/27/97	< 0.006	< 0.002	< 0.001	< 0.003	< 0.017	0.002 E	< 0.004	< 0.003	< 0.003	< 0.002	< 0.004
06/05/97	< 0.006	< 0.002	< 0.001	< 0.003	< 0.017	0.04	< 0.004	< 0.003	< 0.003	< 0.002	< 0.004
06/18/97	< 0.006	< 0.002	< 0.001	< 0.003	< 0.017	< 0.002	< 0.004	< 0.003	< 0.003	< 0.002	< 0.004
07/09/97	< 0.006	< 0.002	< 0.001	< 0.003	< 0.017	< 0.002	< 0.004	< 0.003	< 0.003	< 0.002	< 0.004
08/12/97	< 0.006	< 0.002	< 0.001	< 0.003	< 0.017	< 0.002	< 0.004	< 0.003	< 0.003	< 0.002	< 0.004
10/28/97	< 0.006	< 0.002	< 0.001	< 0.003	< 0.017	< 0.002	< 0.004	< 0.003	< 0.003	< 0.002	< 0.004
12/09/97	< 0.006	< 0.002	< 0.001	< 0.003	< 0.017	< 0.002	< 0.004	< 0.003	< 0.003	< 0.002	< 0.004

Table W-1. Preliminary USGS Columbia River Water Quality Data for Vernita Bridge Near Priest Rapids Dam, Washington (contd)

(mg/L unless otherwise noted)

Sample Date	Linuron (ug/L)	Malathion (ug/L)		MethylParathion (ug/L)	Metolachlor (ug/L)		Metribuzin (ug/L)	Molinate (ug/L)	Napropamide (ug/L)	EthylParathion (ug/L)	Pebulate (ug/L)	Pendimethalin (ug/L)	cis-Permethrin (ug/L)
01/22/97	< 0.002	< 0.005		< 0.006	< 0.002		< 0.004	< 0.004	< 0.003	< 0.004	< 0.004	< 0.004	< 0.005
03/03/97	< 0.002	< 0.005		< 0.006	< 0.002		< 0.004	< 0.004	< 0.003	< 0.004	< 0.004	< 0.004	< 0.005
04/15/97	< 0.002	< 0.005		< 0.006	< 0.002		< 0.004	< 0.004	< 0.003	< 0.004	< 0.004	< 0.004	< 0.005
05/13/97	< 0.002	< 0.005		< 0.006	< 0.002		< 0.004	< 0.004	< 0.003	< 0.004	< 0.004	< 0.004	< 0.005
05/27/97	< 0.002	< 0.005		< 0.006	< 0.002		< 0.004	< 0.004	< 0.003	< 0.004	< 0.004	< 0.004	< 0.005
06/05/97	< 0.002	< 0.005		< 0.006	< 0.002		< 0.004	< 0.004	< 0.003	< 0.004	< 0.004	< 0.004	< 0.005
06/18/97	< 0.002	0.003	E	< 0.006	0.002	E	< 0.004	< 0.004	< 0.003	< 0.004	< 0.004	< 0.004	< 0.005
07/09/97	< 0.002	< 0.005		< 0.006	< 0.002		< 0.004	< 0.004	< 0.003	< 0.004	< 0.004	< 0.004	< 0.005
08/12/97	< 0.002	< 0.005		< 0.006	< 0.002		< 0.004	< 0.004	< 0.003	< 0.004	< 0.004	< 0.004	< 0.005
10/28/97	< 0.002	< 0.005		< 0.006	< 0.002		< 0.004	< 0.004	< 0.003	< 0.004	< 0.004	< 0.004	< 0.005
12/09/97	< 0.002	< 0.005		< 0.006	< 0.002		< 0.004	< 0.004	< 0.003	< 0.004	< 0.004	< 0.004	< 0.005

Sample Date	Phorate (ug/L)	Pronamide (ug/L)	Prometon (ug/L)	Propachlor (ug/L)	Propanil (ug/L)	Propargite (ug/L)	Simazine (ug/L)		Thiobencarb (ug/L)	Tebuthiuron (ug/L)	Terbacil (ug/L)	Terbufos (ug/L)
01/22/97	< 0.002	< 0.003	< 0.018	< 0.007	< 0.004	< 0.013	< 0.005		< 0.002	< 0.01	< 0.007	< 0.013
03/03/97	< 0.002	< 0.003	< 0.018	< 0.007	< 0.004	< 0.013	< 0.005		< 0.002	< 0.01	< 0.007	< 0.013
04/15/97	< 0.002	< 0.003	< 0.018	< 0.007	< 0.004	< 0.013	< 0.005		< 0.002	< 0.01	< 0.007	< 0.013
05/13/97	< 0.002	< 0.003	< 0.018	< 0.007	< 0.004	< 0.013	< 0.005		< 0.002	< 0.01	< 0.007	< 0.013
05/27/97	< 0.002	< 0.003	< 0.018	< 0.007	< 0.004	< 0.013	< 0.005		< 0.002	< 0.01	< 0.007	< 0.013
06/05/97	< 0.002	< 0.003	< 0.018	< 0.007	< 0.004	< 0.013	< 0.005		< 0.002	< 0.01	< 0.007	< 0.013
06/18/97	< 0.002	< 0.003	< 0.018	< 0.007	< 0.004	< 0.013	< 0.005		< 0.002	< 0.01	< 0.007	< 0.013
07/09/97	< 0.002	< 0.003	< 0.018	< 0.007	< 0.004	< 0.013	0.005	E	< 0.002	< 0.01	< 0.007	< 0.013
08/12/97	< 0.002	< 0.003	< 0.018	< 0.007	< 0.004	< 0.013	< 0.005		< 0.002	< 0.01	< 0.007	< 0.013
10/28/97	< 0.002	< 0.003	< 0.018	< 0.007	< 0.004	< 0.013	< 0.005		< 0.002	< 0.01	< 0.007	< 0.013
12/09/97	< 0.002	< 0.003	< 0.018	< 0.007	< 0.004	< 0.013	< 0.005		< 0.002	< 0.01	< 0.007	< 0.013

Sample Date	Triallate (ug/L)	Trifluralin (ug/L)		Sediment, suspended	Sediment discharge, sus. (T/d)
01/22/97	< 0.001	< 0.002		2	815
03/03/97	< 0.001	< 0.002		3	1130
04/15/97	0.005	< 0.002		5	1540
05/13/97	< 0.001	< 0.002		6	4210
05/27/97	< 0.001	< 0.002		8	6480
06/05/97	< 0.001	0.003	E	10	9450
06/18/97	< 0.001	< 0.002		12	11700
07/09/97	< 0.001	< 0.002		4	2160
08/12/97	< 0.001	< 0.002		3	1130
10/28/97	< 0.001	< 0.002		0	0
12/09/97	< 0.001	< 0.002		1	443

E - Estimated value due to problems with gas chromatograpy or extraction.

Table W-2. Preliminary USGS Columbia River Water Quality Data for Richland, Washington Near the Richland Pumphouse
(mg/L unless otherwise noted)

Sample Date	Specific Conductance (uS/cm)	pH	Water Temp. deg °C	Turbidity (NTU)	Oxygen, dissolved	Oxygen, dissolved % saturation	Hardness, total (as CaCO3)	Hardness, noncarb, dissolved (as CaCO3)	Calcium
04/04/97	153	7.9	4.5	0.8	13.4	103	71	7	20
06/09/97	116	7.8	13.5	3.5	12.8	124	54	9	15
08/13/97	124	7.9	19.5	1.2	10.1	111	55	1	16
12/11/97	135	7.9	8	0.3	11.6	96	62	7	18

Sample Date	Magnesium	Alkalinity, dissolved Total (as CaCO3)	Bicarbonate, dissolved	Carbonate, dissolved	Sulfate	Chloride	Fluoride	Residue, 180 Celsius	Filtered Nitrite
04/04/97	5	63	77	0	11	1.3	< 0.1	88	< 0.01
06/09/97	3.7	45	55	0	6.1	1.1	< 0.1	72	< 0.01
08/13/97	3.8	54	66	0	6.1	1	< 0.1	77	< 0.01
12/11/97	4.4	55	67	0	7.8	1	< 0.1	78	< 0.01

Sample Date	Filtered NO2+NO3	Ammonia	Total Kjeldahl-N	Total Phosphorus	Filtered Ortho-Phosphorus	Chromium, dissolved (ug/L)	Iron (ug/L)	Organic carbon	Sediment, suspended
04/04/97	0.22	< 0.015	< 0.2	< 0.01	< 0.01	< 1	12	1.4	6
06/09/97	0.09	< 0.01	< 0.2	< 0.01	< 0.01	< 1	12	2.3	13
08/13/97	0.09	< 0.01	< 0.2	< 0.01	< 0.01	< 1	4	1.8	5
12/11/97	0.13	< 0.02	0.1	< 0.01	< 0.01	< 1	3	1.3	3

Table W-3. Data for Anions and Total Recoverable Metals, Columbia River Transects Water, 1997

Location	Sample Date	Cl^-	CN^-	F^-	No_2^-	No_3^-	So_4^{2-}	Sb	As	Be	Cd	Cr	Cu	Ni	Pb	Se	Ag	Tl	Zn
		mg/L						µg/L - not blank corrected											
VERNITA-1	03/31/97	0.98		0.1	0.02 U	0.22	10.2	0.277	0.633	0.03 U	0.0710	0.186	1.34	1.00	0.530	0.40 U	0.0309	0.0884	6.95
VERNITA-2	03/31/97	1.01		0.1 U	0.02 U	0.21	10.3	0.282	0.631	0.03 U	0.0654	0.259	1.39	0.973	0.509	0.40 U	0.00673	0.0952	7.02
VERNITA-3	03/31/97	0.99		0.1 U	0.02 U	0.22	10.4	0.272	0.595	0.0334	0.0487	0.263	1.40	1.02	0.514	0.40 U	0.0112	0.0905	6.93
VERNITA-4	03/31/97	1		0.1	0.02 U	0.22	10.4	0.266	0.570	0.0353	0.0552	0.215	1.32	1.01	0.510	0.40 U	0.0259	0.0874	6.77
RICHLAND PUMPHOUSE-1	04/01/97	0.94		0.1 U	0.02 U	0.21	10.1	0.276	0.630	0.03 U	0.0592	0.446	1.40	1.00	0.510	0.40 U	0.006 U	0.0930	7.51
RICHLAND PUMPHOUSE-2	04/01/97	0.95		0.1 U	0.02 U	0.22	10	0.290	0.668	0.0419	0.0610	0.398	1.34	0.996	0.529	0.558 B	0.00911	0.0897	7.00
RICHLAND PUMPHOUSE-3	04/01/97	0.95		0.1 U	0.02 U	0.22	10.1	0.223	0.530	0.03 U	0.0371	0.199	1.14	0.872	0.422	0.759 B	0.0451	0.0783	5.72
RICHLAND PUMPHOUSE-4	04/01/97	1		0.1 U	0.02 U	0.22	10.2	0.264	0.646	0.0488	0.0558	0.264	1.37	0.970	0.509	0.40 U	0.00679	0.0826	6.84
RICHLAND PUMPHOUSE-5	04/01/97	0.96		0.1 U	0.02 U	0.22	10.2	0.269	0.630	0.03 U	0.0501	0.248	1.36	0.993	0.542	0.492 B	0.0473	0.0814	7.13
RICHLAND PUMPHOUSE-6	04/01/97	1		0.1 U	0.02 U	0.22	10.2	0.266	0.582	0.0539	0.0658	0.228	1.44	0.997	0.535	0.40 U	0.006 U	0.0842	6.84
RICHLAND PUMPHOUSE-7	04/01/97	0.97		0.1 U	0.02 U	0.22	10.2	0.268	0.597	0.03 U	0.0657	0.242	1.34	1.03	0.512	0.40 U	0.0355	0.0855	7.05
RICHLAND PUMPHOUSE-8	04/01/97	0.99		0.1 U	0.02 U	0.22	10.3	0.254	0.587	0.0342	0.0562	0.288	1.53	1.01	0.554	0.40 U	0.0802	0.0904	7.28
RICHLAND PUMPHOUSE-9	04/01/97	1.01		0.1 U	0.02 U	0.23	10.5	0.277	0.639	0.0340	0.0465	0.377	1.35	1.02	0.553	0.40 U	0.0485	0.0876	7.00
RICHLAND PMPHOUSE-10	04/01/97	1.14		0.1 U	0.02 U	0.25	10.9	0.283	0.675	0.03 U	0.0514	0.249	1.45	1.05	0.557	0.40 U	0.0447	0.0792	6.87
VERNITA-1	08/22/97	0.661	3.05 U	0.1 U	0.002 U	0.069	7.37	0.312	0.760	0.0804 U	0.0254 J	0.176 J	0.972	0.216	0.190	0.396 U	0.0127 U	0.0296	5.72
VERNITA-2	08/22/97	0.682	3.05 U	0.1 U	0.002 U	0.068	7.36	0.374	0.594	0.0804 U	0.0227 J	0.138 J	0.927	0.251	0.160	0.396 U	0.0133	0.0346	5.30
VERNITA-3	08/22/97	0.694	3.05 U	0.1 U	0.002 U	0.07	7.4	0.326	0.742	0.0804 U	0.0267 J	0.146 J	0.961	0.303	0.202	0.396 U	0.0104 J	0.0309	5.36
VERNITA-4	08/22/97	0.716	3.05 U	0.1 U	0.002 U	0.075	7.51	0.306	0.729	0.0804 U	0.0288 J	0.212 J	0.975	0.384	0.233	0.396 U	0.0127 U	0.0330	6.20
RICHLAND PUMPHOUSE-1	08/25/97	0.72	3.05 U	0.1 U	0.002 U	0.082	7.57	0.281	0.669	0.0804 U	0.0303 J	0.224 U	0.892	0.167	0.194	0.396 U	0.0127 U	0.0305	2.31
RICHLAND PUMPHOUSE-2	08/25/97	0.691	3.05 U	0.1 U	0.002 U	0.075	7.44	0.278	0.586	0.0804 U	0.0144 J	0.101 J	0.931	0.185	0.187	0.398 U	0.0127 U	0.0382	2.35
RICHLAND PUMPHOUSE-3	08/25/97	0.701 C	3.05 U	0.1 U	0.002 U	0.078	7.5	0.276	0.700	0.0804 U	0.0229 J	0.121 J	0.998	0.185	0.202	0.396 U	0.0127 U	0.0293	2.53
RICHLAND PUMPHOUSE-4	08/25/97	0.704 C	3.05 U	0.1 U	0.002 U	0.078	7.5	0.267	0.632	0.0804 U	0.0203 J	0.224 U	0.990	0.226	0.213	0.396 U	0.0127 U	0.0330	2.82
RICHLAND PUMPHOUSE-5	08/25/97	0.745 C	3.05 U	0.1 U	0.002 U	0.081	7.56	0.300	0.673	0.0804 U	0.0230 J	0.132 J	0.916	0.160	0.189	0.396 U	0.0127 U	0.0343	2.51
RICHLAND PUMPHOUSE-6	08/25/97	0.775 C	3.05 U	0.1 U	0.002 U	0.091	7.61	0.492	0.615	0.0804 U	0.0200 J	0.174 J	0.900	0.189	0.186	0.396 U	0.0238	0.0366	2.41
RICHLAND PUMPHOUSE-7	08/25/97	0.691	3.05 U	0.1 U	0.001 U	0.08	7.67	0.355	0.584	0.0804 U	0.0192 J	0.107 J	0.833	0.282	0.179	0.396 U	0.0127 U	0.0323	2.06
RICHLAND PUMPHOUSE-8	08/25/97	0.745 C	3.05 U	0.1 U	0.002 U	0.095	7.64	0.328	0.633	0.0804 U	0.0256 J	0.224 U	0.948	0.259	0.215	0.398 U	0.0127 U	0.0358	2.48
RICHLAND PUMPHOUSE-9	08/25/97	0.852 C	3.05 U	0.1 U	0.002 U	0.106	8.03	0.314	0.755	0.0804 U	0.0185 J	0.139 J	0.936	0.226	0.224	0.228 J	0.0127 U	0.0368	2.53
RICHLAND PMPHOUSE-10	08/25/97	1.51 C	3.05 U	0.1 U	0.002 U	0.293	10.1	0.308	0.817	0.0804 U	0.0131 J	0.105 J	1.00	0.183	0.170	0.285 J	0.0127 U	0.0282	2.37
100 N -1	08/22/97	0.675		0.1 U	0.002 U	0.069	7.36	0.490	0.685	0.0804 U	0.0300 J	0.103 J	0.968	0.192	0.220	0.396 U	0.0158	0.0404	5.70
100 N -2	08/22/97	0.699		0.1 U	0.002 U	0.075	7.38	0.379	0.733	0.0804 U	0.0235 J	0.151 J	0.944	0.227	0.205	0.396 U	0.0102 J	0.0308	5.88
100 N -3	08/22/97	0.683		0.1 U	0.002 U	0.072	7.38	0.309	0.716	0.0804 U	0.0231 J	0.119 J	0.967	0.215	0.202	0.396 U	0.0127 U	0.0329	5.87
100 N -4	08/22/97	0.644		0.099 b	0.001 U	0.069	7.49	0.297	0.851	0.0804 U	0.0148 J	0.224 U	0.941	0.245	0.201	0.396 U	0.0127 U	0.0284	5.84
100 F -1	08/23/97	0.681		0.1 U	0.002 U	0.073	7.39	0.524	0.650	0.0804 U	0.0204 J	0.214 J	0.938	0.0911	0.152	0.398 U	0.0140	0.0404	5.26
100 F -2	08/23/97	0.692		0.1 U	0.002 U	0.078	7.39	0.383	0.648	0.0804 U	0.0249 J	0.224 U	0.922	0.153	0.155	0.398 U	0.0127 U	0.0319	5.78
100 F -3	08/23/97	0.699		0.1 U	0.002 U	0.075	7.39	0.320	0.630	0.0804 U	0.0204 J	0.151 J	0.930	0.205	0.160	0.396 U	0.0127 U	0.0356	5.33
100 F -4	08/23/97	0.677		0.1 U	0.002 U	0.074	7.39	0.276	0.858	0.0804 U	0.0179 J	0.224 U	0.903	0.228	0.153	0.398 U	0.0127 U	0.0285	4.99
100 F -5	08/23/97	0.881		0.1 U	0.002 U	0.083	7.45	0.311	0.618	0.0804 U	0.0238 J	0.179 J	0.909	0.341	0.151	0.396 U	0.0127 U	0.0330	5.13
100 F -6	08/23/97	0.709		0.1 U	0.002 U	0.073	7.44	0.232	0.523	0.0804 U	0.0125 J	0.102 J	0.790	0.141	0.134	0.396 U	0.0127 U	0.0255	4.12
100 F -7	08/23/97	0.714		0.1 U	0.002 U	0.073	7.45	0.289	0.712	0.0804 U	0.0178 J	0.173 J	0.969	0.283	0.193	0.396 U	0.0127 U	0.0327	5.56
100 F -8	08/23/97	0.755		0.1 U	0.002 U	0.094	7.5	0.263	0.714	0.0804 U	0.0173 J	0.131 J	0.899	0.240	0.158	0.396 U	0.0127 U	0.0313	5.23
100 F -9	08/23/97	0.743		0.1 U	0.002 U	0.073	7.58	0.522	0.683	0.0804 U	0.0418	0.217 J	0.980	0.230	0.200	0.396 U	0.0176	0.0437	5.90
100 F -10	08/23/97	0.834		0.1 U	0.002 U	0.081	8.05	0.373	0.702	0.0804 U	0.0144 J	0.137 J	0.908	0.217	0.174	0.396 U	0.0127 U	0.0388	5.41
HANFORD TOWNSITE-1	08/23/97	0.858		0.1 U	0.002 U	0.172	8.08	0.532	0.824	0.0804 U	0.0216 J	0.183 J	0.971	0.188	0.147	0.396 U	0.0116 J	0.0357	5.62
HANFORD TOWNSITE-2	08/23/97	0.68		0.1 U	0.002 U	0.079	7.4	0.552	0.697	0.0804 U	0.0291 J	0.224 U	0.935	0.275	0.161	0.396 U	0.0188	0.0367	5.30
HANFORD TOWNSITE-3	08/23/97	0.664 C		0.1 U	0.002 U	0.073	7.37	0.373	0.730	0.0804 U	0.0254 J	0.175 J	0.960	0.303	0.164	0.396 U	0.0127 U	0.0388	5.43
HANFORD TOWNSITE-4	08/23/97	0.671 C		0.1 U	0.002 U	0.075	7.45	0.338	0.601	0.0804 U	0.0244 J	0.135 J	0.884	0.179	0.140	0.396 U	0.0127 U	0.0316	4.79
HANFORD TOWNSITE-5	08/23/97	0.715 C		0.1 U	0.002 U	0.078	7.48	0.295	0.609	0.0804 U	0.0220 J	0.181 J	0.961	0.298	0.165	0.396 U	0.0127 U	0.0335	5.83
HANFORD TOWNSITE-6	08/23/97	0.684 C		0.1 U	0.002 U	0.106	7.52	0.294	0.635	0.0804 U	0.0192 J	0.185 J	0.931	0.146	0.153	0.396 U	0.0127 U	0.0294	5.34
HANFORD TOWNSITE-7	08/23/97	0.682 C		0.1 U	0.002 U	0.083	7.53	0.256	0.620	0.0804 U	0.0195 J	0.184 J	0.922	0.226	0.162	0.396 U	0.0127 U	0.0326	5.44
HANFORD TOWNSITE-8	08/23/97	0.687 C		0.1 U	0.002 U	0.084	7.49	0.212	0.486	0.0804 U	0.0188 J	0.106 J	0.783	0.173	0.156	0.398 U	0.0127 U	0.0280	4.18
HANFORD TOWNSITE-9	08/23/97	0.68		0.1 U	0.001 U	0.112	7.6	0.255	0.662	0.0804 U	0.0268 J	0.322	1.06	0.299	0.272	0.396 U	0.0127 U	0.0338	6.74
HANFORD TOWNSITE-10	08/23/97	0.713 C		0.1 U	0.002 U	0.083	7.54	0.280	0.734	0.0804 U	0.0241 J	0.231	0.991	0.311	0.199	0.396 U	0.0127 U	0.0337	5.31
300 AREA -1	08/25/97	0.855		0.1 U	0.002 U	0.18	7.81	0.287	0.682	0.0804 U	0.0202 J	0.109 J	0.861	0.216	0.141	0.398 U	0.0127 U	0.0368	2.22
300 AREA -2	08/25/97	0.697		0.1 U	0.002 U	0.078	7.46	0.299	0.620	0.0804 U	0.0102 J	0.224 U	0.900	0.202	0.158	0.396 U	0.0127 U	0.0323	2.26
300 AREA -3	08/25/97	0.744		0.1 U	0.002 U	0.087	7.55	0.256	0.617	0.0804 U	0.0197 J	0.157 J	1.06	0.179	0.266	0.396 U	0.0127 U	0.0301	2.65

Table W-3. Data for Anions and Total Recoverable Metals, Columbia River Transects Water, 1997 (contd)

Location	Sample Date	Cl^-	CN^-	F^-	No_2^-	No_3^-	So_4^{2-}	Sb	As	Be	Cd	Cr	Cu	Ni	Pb	Se	Ag	Tl	Zn
		mg/L						µg/L - not blank corrected											
300 AREA -4	08/25/97	0.774		0.1 U	0.002 U	0.084	7.62												
300 AREA -5	08/25/97	0.748		0.1 U	0.002 U	0.085	7.6	0.268	0.610	0.0804 U	0.0200 J	0.151 J	0.885	0.105	0.158	0.396 U	0.0127 U	0.0347	2.23
300 AREA -6	08/25/97	0.827		0.1 U	0.002 U	0.097	7.94	0.276	0.682	0.0804 U	0.0174 J	0.129 J	0.894	0.218	0.113	0.396 U	0.0127 U	0.0364	1.87
300 AREA -7	08/25/97	0.888		0.1 U	0.002 U	0.104	8.1												
300 AREA -8	08/25/97	0.937		0.1 U	0.002 U	0.115	8.29	0.485	0.705	0.0804 U	0.0218 J	0.184 J	0.939	0.167	0.182	0.396 U	0.0171	0.0362	2.40
300 AREA -9	08/25/97	1		0.1 U	0.002 U	0.134	8.56	0.293	0.585	0.0804 U	0.0309 U	0.224 U	0.730	0.220	0.136	0.396 U	0.0127 U	0.0278	1.56
300 AREA -10	08/25/97	2.07		0.136	0.002 U	0.295	11.6	0.319	1.24	0.0804 U	0.0116 J	0.139 J	1.03	0.231	0.123	0.396 U	0.0127 U	0.0264	1.72
VERNITA-1	12/18/97	0.74 C		0.068 b	0.001 U	0.132	8.16	0.208	0.568	0.0804 U	0.0212 J	0.34	0.754	0.427	0.106	0.00947 J	0.0127 U	0.0434	4.08
VERNITA-2	12/18/97	0.759 C		0.078 b	0.001 U	0.136	8.11	0.219	0.569	0.0804 U	0.0204 J	0.43	0.787	0.461	0.110	0.396 U	0.0127 U	0.0425	5.49
VERNITA-4	12/18/97	0.824 C		0.077 b	0.001 U	0.151	8.46	0.224	0.590	0.0804 U	0.0376	0.43	0.764	0.496	0.101	0.0973 J	0.0127 U	0.0446	7.54
RICHLAND PUMPHOUSE-1	12/19/97	0.777 C		0.069 b	0.001 U	0.145	8.34	0.233	0.623	0.0804 U	0.0260 J	0.34	0.796	0.481	0.104	0.103 J	0.0127 U	0.0451	3.97
RICHLAND PUMPHOUSE-2	12/19/97	0.863 C		0.072 b	0.001 U	0.152	9	0.227	0.547	0.0804 U	0.0280 J	0.43	0.754	0.467	0.109	0.0271 J	0.0127 U	0.0467	5.35
RICHLAND PUMPHOUSE-3	12/19/97	0.783 C		0.075 b	0.001 U	0.139	8.37	0.220	0.569	0.0804 U	0.0353	0.34	0.765	0.490	0.122	0.396 U	0.0127 U	0.0462	2.59
RICHLAND PUMPHOUSE-4	12/19/97	0.794 C		0.072 b	0.001 U	0.142	8.37	0.220	0.514	0.0804 U	0.0313	0.34	0.772	0.491	0.123	0.396 U	0.0127 U	0.0471	2.33
RICHLAND PUMPHOUSE-5	12/19/97	0.783 C		0.07 b	0.001 U	0.145	8.2	0.220	0.491	0.0804 U	0.0273 J	0.43	0.755	0.473	0.128	0.396 U	0.0127 U	0.0446	3.60
RICHLAND PUMPHOUSE-6	12/19/97	0.825 C		0.073 b	0.001 U	0.144	8.84	0.235	0.606	0.0804 U	0.0238 J	0.34	0.771	0.500	0.123	0.0713 J	0.0127 U	0.0471	3.39
RICHLAND PUMPHOUSE-7	12/19/97	0.823 C		0.073 b	0.001 U	0.147	8.37	0.213	0.540	0.0804 U	0.0265 J	0.34	0.798	0.494	0.122	0.0879 J	0.0127 U	0.0476	3.18
RICHLAND PUMPHOUSE-8	12/19/97	0.836 C		0.075 b	0.001 U	0.151	8.42	0.219	0.597	0.0804 U	0.0266 J	0.34	0.772	0.453	0.123	0.398 U	0.0127 U	0.0453	2.81
RICHLAND PUMPHOUSE-9	12/19/97	0.931 C		0.072 b	0.001 U	0.179	8.9	0.225	0.592	0.0804 U	0.0317	0.51	0.784	0.485	0.143	0.0163 J	0.0127 U	0.0425	3.34
RICHLAND PMPHOUSE-10	12/19/97	1.37 C		0.073 b	0.001 U	0.35	10.6	0.211	0.660	0.0804 U	0.0257 J	0.51	0.834	0.568	0.185	0.396 U	0.0127 U	0.0439	2.28

U - Analyzed but not detected or represented by the analytical detection limit.
J - Not detected or reported below analytical detection limit.
b - Detected amount of the analyte tested is less than the practical quantitation limit, but greater than or equal to the MDL.
B - Detected amount is less than 5 times the blank concentration.
C - Associated lab reagent blank result is non detect.
D - Analysis performed at a dilution factor other than the primary (secondary or greater).
CD - Associated lab reagent blank result is non detect. Analysis performed at a dilution factor other than the primary (secondary or greater).
UC - Analyzed but not detected or represented by the analytical detection limit. Associated lab reagent blank result is non detect.

Table W-4. Data for Anions and Total Recoverable Metals, Columbia River Riverbank Springs, 1997

Location	Sample Date	Cl^-	F^-	No_2^-	No_3^-	So_4^{2-}	Sb	As	Be	Cd	Cr	Cu	Ni	Pb	Se	Ag	Tl	Zn
		mg/L					µg/L - not blank corrected											
100-B SPRING	10/23/97	13.2 CD	0.164	0.001 U	3.99 D	48.1 D	0.244	1.29	0.0804 U	0.0313	12.7	0.365	1.43	0.903	2.89	0.0127 U	0.00875	0.699
100-F SPRING	10/23/97	11.5 CD	0.214	0.001 U	9.01 D	51.9 D	0.173	2.20	0.0804 U	0.105	14.8	1.23	1.97	1.93	3.05	0.0127 U	0.0250	6.01
100-D SPRING	10/27/97	3.74	0.133	0.001 UC	1.6 D	19.4	0.365	1.03	0.0804 U	0.0345	48.7	0.549	0.760	0.414	1.02	0.0155	0.0715	1.33
100-H SPRING	10/27/97	2.16	0.143	0.001 UC	5.82 D	22.8 D	0.310	0.898	0.0804 U	0.0331	19.9	0.532	1.12	0.366	0.961	0.0127 U	0.0436	1.70
300 AREA SPRING 42-2	10/27/97	10.7 CD	0.211	0.024	4.02 D	36.3 D	0.285	1.28	0.0804 U	0.0547	2.67	0.996	1.32	0.946	2.77	0.0127 U	0.0451	4.00
HANFORD SPRING 28-2	10/27/97	3.68	0.179	0.001 U	1.79 D	18	0.422	3.16	0.0804 U	0.0309 U	1.98	0.521	0.818	0.220	1.76	0.0129	0.0350	0.659
100 N SPRING (Special)	11/03/97						0.267	0.829	0.0804 U	0.0659	4.10	0.788	1.65	0.784	1.07	0.0127 U	0.0536	4.25
100 N SPRING 8-13	11/03/97	4.59 C	0.184	0.001 U	3.07 D	31.5 D	0.236	2.48	0.0804 U	0.0384	8.38	0.323	0.780	0.349	0.581	0.0127 U	0.0230	1.24
100-K SPRING	11/03/97	0.849 C	0.234	0.001 U	0.322	9.66	0.418	1.17	0.0804 U	0.0670	1.74	1.07	0.827	2.46	0.887	0.0127 U	0.0473	4.88

U - Analyzed but not detected or represented by the analytical detection limit.
C - Associated lab reagent blank result is non detect.
D - Analysis performed at a dilution factor other than the primary (secondary or greater).
CD - Associated lab reagent blank result is non detect. Analysis performed at a dilution factor other than the primary (secondary or greater).
UC - Analyzed but not detected or represented by the analytical detection limit. Associated lab reagent blank result is non detect.

Table W-5 . Data for Total Recoverable Metals, 100 N Spring Nearshore Transects Water, 1997

Location	Sample Date	Sb ICP-MS	As ICP-MS	Be ICP-MS	Cd ICP-MS	Cr ICP-MS	Cu ICP-MS	Hg CVAA	Ni ICP-MS	Pb ICP-MS	Se ICP-MS	Ag ICP-MS	Tl ICP-MS	Zn ICP-MS
		µg/L - not blank corrected												
100 N SPRING-2	09/08/97	0.269	0.728	0.0804 U	0.0212 J	0.205 J	0.918	NA	0.210	0.185	0.396 U	0.0127 U	0.0424	2.78
100 N SPRING-5	09/08/97	0.278	0.635	0.0804 U	0.0253 J	0.195 J	0.857	NA	0.107	0.161	0.396 U	0.0127 U	0.0371	2.36
100 N SPRING-1A	09/08/97	0.275	0.797	0.0804 U	0.0205 J	0.599	0.856	0.000514	0.178	0.182	0.396 U	0.0127 U	0.0368	2.60
100 N SPRING-1B	09/08/97	0.282	0.841	0.0804 U	0.0495	0.637	1.01	0.000901	0.469	0.495	0.396 U	0.0127 U	0.0384	4.51
100 N SPRING-1C	09/08/97	0.271	0.607	0.0804 U	0.0205 J	0.261	0.763	0.000518	0.170	0.140	0.396 U	0.0127 U	0.0360	2.25
100 N SPRING-1D	09/08/97	0.290	0.702	0.0804 U	0.0173 J	0.277	0.840	0.000455	0.158	0.136	0.396 U	0.0127 U	0.0396	2.52
100 N SPRING-3A	09/08/97	0.518	0.658	0.0804 U	0.0343	0.200 J	0.972	0.000442	0.262	0.145	0.396 U	0.0174	0.0488	3.59
100 N SPRING-3B	09/08/97	0.384	0.576	0.0804 U	0.0345	0.242	0.857	0.00168	0.241	0.211	0.396 U	0.0113 J	0.0417	2.56
100 N SPRING-3C	09/08/97	0.358	0.674	0.0804 U	0.0257 J	0.188 J	0.860	0.000600	0.197	0.222	0.396 U	0.0127 U	0.0372	3.33
100 N SPRING-3D	09/08/97	0.335	0.643	0.0804 U	0.0261 J	0.244	0.847	0.000490	0.119	0.165	0.396 U	0.0127 U	0.0397	2.61
100 N SPRING-4A	09/08/97	0.334	0.692	0.0804 U	0.0268 J	0.214 J	0.879	NA	0.132	0.135	0.396 U	0.0127 U	0.0382	2.45
100 N SPRING-4B	09/08/97	0.301	0.648	0.0804 U	0.0297 J	0.152 J	0.849	NA	0.167	0.165	0.396 U	0.0127 U	0.0384	2.46
100 N SPRING-4C	09/08/97	0.282	0.621	0.0804 U	0.0308 J	0.317	0.881	NA	0.223	0.252	0.396 U	0.0127 U	0.0400	3.02
100 N SPRING-4D	09/08/97	0.296	0.649	0.0804 U	0.0287 J	0.187 J	0.851	NA	0.243	0.174	0.396 U	0.0127 U	0.0372	2.42

U - Analyzed but not detected or represented by the analytical detection limit.
J - Not detected or reported below analytical detection limit.
NA - Not Applicable.

Drinking Water

2189 100 B AREA-RIVER (DRINKING , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	SR-90 PCI/L	LO_TRITIUM PCI/L
01/27/1997		< 6.240E-02	< 1.290E+00	1.120E-01	7.510E+01
		{ 3.290E-01}	{ 1.450E+00}	{ 4.820E-02}	{ 1.490E+01}
04/22/1997		1.310E+00	2.460E+00	1.440E-01	1.150E+02
		{ 8.220E-01}	{ 1.540E+00}	{ 5.020E-02}	{ 1.510E+01}
07/16/1997		< 2.560E-01	< 1.160E+00	7.240E-02	4.580E+01
		{ 3.880E-01}	{ 1.230E+00}	{ 3.750E-02}	{ 9.640E+00}
10/07/1997		< 5.590E-01	< 6.520E-01	1.110E-01	9.940E+01
		{ 6.400E-01}	{ 1.730E+00}	{ 4.050E-02}	{ 1.340E+01}
MEAN		5.469E-01	1.391E+00	1.099E-01	8.383E+01
MINIMUM		< 6.240E-02	< 6.520E-01	7.240E-02	4.580E+01
MAXIMUM		1.310E+00	2.460E+00	1.440E-01	1.150E+02
2STD. ERR		5.483E-01	7.643E-01	2.930E-02	3.020E+01

2190 100 D AREA (DRINKING , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	SR-90 PCI/L	TRITIUM PCI/L
01/27/1997		< 3.270E-01	2.090E+00	1.060E-01	< -5.730E+01
		{ 4.310E-01}	{ 1.580E+00}	{ 4.540E-02}	{ 1.270E+02}
04/25/1997		7.790E-01	2.410E+00	1.270E-01	< 7.780E+01
		{ 6.310E-01}	{ 1.520E+00}	{ 4.390E-02}	{ 1.420E+02}
07/16/1997		5.890E-01	2.630E+00	8.230E-02	< 9.060E+01
		{ 3.850E-01}	{ 1.390E+00}	{ 4.200E-02}	{ 1.320E+02}
10/07/1997		< 1.730E-01	2.590E+00	1.430E-01	< 8.200E+01
		{ 5.620E-01}	{ 2.120E+00}	{ 4.740E-02}	{ 1.540E+02}
MEAN		4.670E-01	2.430E+00	1.146E-01	4.828E+01
MINIMUM		< 1.730E-01	2.090E+00	8.230E-02	< -5.730E+01
MAXIMUM		7.790E-01	2.630E+00	1.430E-01	< 9.060E+01
2STD. ERR		2.697E-01	2.460E-01	2.632E-02	7.058E+01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

2194 FFTF (DRINKING , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	SR-90 PCI/L	TRITIUM PCI/L
01/27/1997		< 7.600E-01	9.980E+00	9.960E-02	5.900E+03
		(8.360E-01)	(2.480E+00)	(5.320E-02)	(5.300E+02)
04/22/1997	1	< 6.620E-01	7.230E+00	< -2.830E-03	6.940E+03
		(9.840E-01)	(2.220E+00)	(6.280E-02)	(6.110E+02)
07/16/1997		< -7.150E-02	7.930E+00	< -1.860E-02	5.260E+03
		(3.470E-01)	(2.050E+00)	(7.890E-02)	(4.830E+02)
10/07/1997		< -3.100E-01	8.730E+00	< 3.080E-02	4.940E+03
		(4.860E-01)	(2.730E+00)	(3.460E-02)	(4.780E+02)
MEAN		2.601E-01	8.468E+00	2.724E-02	5.760E+03
MINIMUM		< -3.100E-01	7.230E+00	< -1.860E-02	4.940E+03
MAXIMUM		< 7.600E-01	9.980E+00	9.960E-02	6.940E+03
2STD. ERR		5.312E-01	1.180E+00	5.245E-02	8.821E+02

3067 FIRING RANGE (DRINKING , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	SR-90 PCI/L	TRITIUM PCI/L
10/09/1997		< 3.470E-01	6.250E+00	< 1.520E-02	< 1.930E+01
		(5.120E-01)	(1.930E+00)	(3.060E-02)	(1.530E+02)

3066 YAKIMA BARRICADE (DRINKING , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	SR-90 PCI/L	TRITIUM PCI/L
10/07/1997		< 8.290E-01	7.330E+00	< 2.410E-02	< 1.360E+01
		(1.150E+00)	(2.790E+00)	(3.200E-02)	(1.530E+02)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.
1 SAMPLE TAKEN AT 4706 LUNCH ROOM.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/04/1997 TO 01/06/1998
DRINKING WATER - COMPOSITED SAMPLES

2196 300 AREA (UNFILTERED , DRINKING , CUMULATIVE)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99 PCI/L	LO_TRITIUM PCI/L	U-234 PCI/L
03/25/1997	1	1.960E+00	2.300E+00 <	7.590E-02 <	6.960E-01	9.630E-02	6.630E-01	8.760E+02	1.580E+00
		(9.690E-01)	(1.520E+00)	(1.200E+00)	(1.270E+00)	(3.990E-02)	(5.600E-01)	(7.930E+01)	(2.010E-01)
07/17/1997	2	8.530E-01	2.550E+00	2.650E+00 <	-4.130E+00	6.690E-02 <	2.010E-02	7.110E+01	3.800E-01
		(4.650E-01)	(1.390E+00)	(2.340E+00)	(2.780E+00)	(3.560E-02)	(4.530E-01)	(1.150E+01)	(6.860E-02)
10/08/1997	3	1.460E+00	1.570E+00 <	-4.520E-01 <	1.120E+00	1.210E-01 <	2.790E-01	2.110E+02	6.760E-01
		(7.090E-01)	(1.340E+00)	(1.240E+00)	(1.140E+00)	(4.410E-02)	(5.610E-01)	(2.260E+01)	(1.110E-01)
12/30/1997		1.360E+00 <	7.760E-02 <	1.720E-01 <	9.310E-01	6.710E-02 <	1.270E-02	2.040E+02	8.100E-01
		(7.020E-01)	(1.490E+00)	(8.770E-01)	(9.680E-01)	(3.530E-02)	(5.040E-01)	(2.210E+01)	(1.180E-01)
MEAN		1.408E+00	1.624E+00	6.115E-01	-3.458E-01	8.783E-02	2.437E-01	3.405E+02	8.615E-01
MINIMUM		8.530E-01 <	7.760E-02 <	-4.520E-01 <	-4.130E+00	6.690E-02 <	1.270E-02	7.110E+01	3.800E-01
MAXIMUM		1.960E+00	2.550E+00	2.650E+00 <	1.120E+00	1.210E-01	6.630E-01	8.760E+02	1.580E+00
2STD. ERR		4.538E-01	1.112E+00	1.386E+00	2.529E+00	2.608E-02	3.057E-01	3.627E+02	5.116E-01

2196 300 AREA (UNFILTERED , DRINKING , CUMULATIVE)

OFF DATE	COM	U-235 PCI/L	U-238 PCI/L
03/25/1997		6.810E-02	1.460E+00
		(2.590E-02)	(1.880E-01)
07/17/1997	<	9.790E-03	2.890E-01
		(1.140E-02)	(5.710E-02)
10/08/1997		4.120E-02	7.200E-01
		(2.210E-02)	(1.150E-01)
12/30/1997		3.750E-02	7.760E-01
		(1.890E-02)	(1.140E-01)
MEAN		3.915E-02	8.113E-01
MINIMUM	<	9.790E-03	2.890E-01
MAXIMUM		6.810E-02	1.460E+00
2STD. ERR		2.385E-02	4.841E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.
1 Comment for sample 2197 on 01/29/1997 COLLECTED GRAB SAMPLE DUE TO POWER OUTAGE AT SAMPLING STATION.
Comment for sample 2197 on 03/25/1997 SAMPLER BACK ON LINE 3/3/97.
U-234, U-235, U-238 REFER TO FOLLOW-UP ANALYSIS ORDER #W038 REGARDING REANALYSIS. DATABASE MODIFIED PER TASK MANAGER.
2 TRITIUM REFER TO FOLLOW-UP CHANGE #W039, HEIS CORE RESULT MODIFIED WITH REANALYZED VALUE ON 2/6/98.
3 U-234, U-235, U-238 REFER TO FOLLOW-UP ANALYSIS ORDER #W039 REGARDING REANALYSIS. DATABASE MODIFIED PER TASK MANAGER.

Table DW-1. 100 K Area Drinking Water Results, 1997

Sample Date	Alpha pCi/L	Beta pCi/L	H-3 pCi/L	Sr-90 pCi/L
01/22/97	0.27 {.324}	0.78 {1.466}	-1.5 {127}	0.14 {.329}
06/04/97	-0.0051 {.232}	0.33 {1.175}	55 {145}	-0.016 {.104}
07/23/97	0.16 {.374}	1.0 {1.29}	-5.1 {150}	-0.019 {.127}
11/20/97	-0.25 {.803}	-5.2 {3.536}	43 {146}	0.012 {.234}

{ } - Total Propagated Analytical Uncertainty.

Thermoluminescent Dosimeters (TLD s)

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/15/1997 TO 01/15/1998
TLD SAMPLES - mR/Day

2400 BASIN CITY SCHOOL

OFF DATE	COM	RESULT
03/20/1997		2.210E-01
		{ .000E+00}
06/26/1997	1	NR
09/18/1997		2.240E-01
		{ 1.600E-02}
12/26/1997		2.100E-01
		{ 5.000E-03}
MEAN		2.183E-01
MINIMUM		2.100E-01
MAXIMUM		2.240E-01
2STD. ERR		8.511E-03

2389 BENTON CITY

OFF DATE	COM	RESULT
03/26/1997		2.280E-01
		{ 1.500E-02}
06/24/1997		2.150E-01
		{ 5.000E-03}
09/25/1997		2.270E-01
		{ .000E+00}
12/17/1997		2.360E-01
		{ 1.100E-02}
MEAN		2.265E-01
MINIMUM		2.150E-01
MAXIMUM		2.360E-01
2STD. ERR		8.660E-03

2399 EDWIN MARKHAM SCHOOL

OFF DATE	COM	RESULT
03/20/1997		2.190E-01
		{ 1.000E-03}
06/26/1997		1.890E-01
		{ 3.000E-03}
09/18/1997		2.170E-01
		{ 1.400E-02}
12/26/1997		2.000E-01
		{ 1.000E-03}
MEAN		2.063E-01
MINIMUM		1.890E-01
MAXIMUM		2.190E-01
2STD. ERR		1.431E-02

2382 KENNEWICK-ELY STREET

OFF DATE	COM	RESULT
03/20/1997		2.040E-01
		{ .000E+00}
06/26/1997		2.050E-01
		{ 1.600E-02}
09/19/1997		2.150E-01
		{ 6.000E-03}
12/26/1997		2.170E-01
		{ 6.000E-03}
MEAN		2.103E-01
MINIMUM		2.040E-01
MAXIMUM		2.170E-01
2STD. ERR		6.702E-03

2402 LESLIE GROVES-RCHLND

OFF DATE	COM	RESULT
03/19/1997		2.240E-01
		{ 1.900E-02}
06/25/1997		1.980E-01
		{ 2.000E-03}
09/17/1997	2	NR
12/23/1997		2.010E-01
		{ 1.000E-03}
MEAN		2.077E-01
MINIMUM		1.980E-01
MAXIMUM		2.240E-01
2STD. ERR		1.642E-02

2413 MATTAWA

OFF DATE	COM	RESULT
03/19/1997		2.070E-01
		{ 1.000E-03}
06/25/1997		2.140E-01
		{ 1.800E-02}
09/18/1997		2.150E-01
		{ 1.300E-02}
12/23/1997		2.090E-01
		{ 5.000E-03}
MEAN		2.113E-01
MINIMUM		2.070E-01
MAXIMUM		2.150E-01
2STD. ERR		3.862E-03

2792 OTHELLO

OFF DATE	COM	RESULT
03/19/1997		1.960E-01
		{ 4.000E-03}
06/25/1997		2.000E-01
		{ 1.000E-03}
09/18/1997		2.060E-01
		{ 8.000E-03}
12/23/1997		2.030E-01
		{ 1.000E-02}
MEAN		2.013E-01
MINIMUM		1.960E-01
MAXIMUM		2.060E-01
2STD. ERR		4.272E-03

2381 PASCO

OFF DATE	COM	RESULT
03/20/1997		2.420E-01
		{ 2.000E-03}
06/26/1997		2.510E-01
		{ 9.000E-03}
09/19/1997		2.400E-01
		{ .000E+00}
12/26/1997	3	NR
MEAN		2.443E-01
MINIMUM		2.400E-01
MAXIMUM		2.510E-01
2STD. ERR		6.766E-03

{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE. TLD MISSING.
2 NO SAMPLE. TLD MISSING.
3 NO SAMPLE. TLD MISSING.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/15/1997 TO 01/15/1998
TLD SAMPLES - mR/Day

2827 TOPPENISH

OFF DATE	COM	RESULT
03/26/1997		1.770E-01
		(3.000E-03)
06/30/1997		1.880E-01
		(1.300E-02)
09/25/1997		1.860E-01
		(1.000E-03)
12/17/1997		1.870E-01
		(1.200E-02)
MEAN		1.845E-01
MINIMUM		1.770E-01
MAXIMUM		1.880E-01
2STD. ERR		5.066E-03

2388 YAKIMA

OFF DATE	COM	RESULT
03/26/1997		1.780E-01
		(1.000E-03)
06/30/1997		1.850E-01
		(5.000E-03)
09/25/1997		1.870E-01
		(1.000E-03)
12/17/1997		2.020E-01
		(7.000E-03)
MEAN		1.880E-01
MINIMUM		1.780E-01
MAXIMUM		2.020E-01
2STD. ERR		1.010E-02

2383 100 D AREA

OFF DATE	COM	RESULT
03/24/1997		2.350E-01
		(4.000E-03)
06/17/1997		2.330E-01
		(2.000E-03)
09/23/1997		2.370E-01
		(2.000E-03)
12/15/1997		2.350E-01
		(4.000E-03)
MEAN		2.350E-01
MINIMUM		2.330E-01
MAXIMUM		2.370E-01
2STD. ERR		1.633E-03

2384 100 K AREA

OFF DATE	COM	RESULT
03/24/1997		1.880E-01
		(5.000E-03)
06/17/1997		1.860E-01
		(.000E+00)
09/23/1997		1.980E-01
		(7.000E-03)
12/15/1997		1.950E-01
		(4.000E-03)
MEAN		1.918E-01
MINIMUM		1.860E-01
MAXIMUM		1.980E-01
2STD. ERR		5.679E-03

2394 200 ESE

OFF DATE	COM	RESULT
03/18/1997		2.370E-01
		(1.000E-02)
06/24/1997		2.340E-01
		(7.000E-03)
09/16/1997		2.380E-01
		(3.000E-03)
12/22/1997		2.460E-01
		(3.000E-03)
MEAN		2.388E-01
MINIMUM		2.340E-01
MAXIMUM		2.460E-01
2STD. ERR		5.123E-03

2395 200 TEL. EXCHANGE

OFF DATE	COM	RESULT
03/18/1997		2.160E-01
		(5.000E-03)
06/24/1997		2.050E-01
		(6.000E-03)
09/16/1997		2.210E-01
		(2.000E-03)
12/22/1997		2.240E-01
		(9.000E-03)
MEAN		2.165E-01
MINIMUM		2.050E-01
MAXIMUM		2.240E-01
2STD. ERR		8.347E-03

2396 200 W SE

OFF DATE	COM	RESULT
03/18/1997		2.260E-01
		(1.000E-03)
06/24/1997		2.110E-01
		(3.000E-03)
09/16/1997		2.180E-01
		(4.000E-03)
12/22/1997		2.140E-01
		(1.000E-03)
MEAN		2.173E-01
MINIMUM		2.110E-01
MAXIMUM		2.260E-01
2STD. ERR		6.500E-03

2408 300 NE

OFF DATE	COM	RESULT
03/25/1997		2.190E-01
		(9.000E-03)
06/23/1997		2.090E-01
		(6.000E-03)
09/24/1997		2.330E-01
		(9.000E-03)
12/16/1997		2.200E-01
		(5.000E-03)
MEAN		2.203E-01
MINIMUM		2.090E-01
MAXIMUM		2.330E-01
2STD. ERR		9.845E-03

( ) - Total Propagated Analytical Uncertainty.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/15/1997 TO 01/15/1998
TLD SAMPLES - mR/Day

2406 300 SOUTH GATE

OFF DATE	COM	RESULT
03/25/1997		2.200E-01
		{ 2.000E-03}
06/23/1997		1.940E-01
		{ 1.000E-03}
09/24/1997		2.230E-01
		{ 1.200E-02}
12/16/1997		2.240E-01
		{ 5.000E-03}
MEAN		2.153E-01
MINIMUM		1.940E-01
MAXIMUM		2.240E-01
2STD. ERR		1.427E-02

2407 300 SOUTHWEST GATE

OFF DATE	COM	RESULT
03/25/1997		2.230E-01
		{ 1.000E-03}
06/23/1997		2.100E-01
		{ 5.000E-03}
09/24/1997		2.280E-01
		{ 1.000E-02}
12/16/1997		2.220E-01
		{ 8.000E-03}
MEAN		2.208E-01
MINIMUM		2.100E-01
MAXIMUM		2.280E-01
2STD. ERR		7.632E-03

2403 300 TRENCH

OFF DATE	COM	RESULT
03/25/1997		2.230E-01
		{ 4.000E-03}
06/23/1997		2.090E-01
		{ 1.200E-02}
09/24/1997		2.190E-01
		{ 5.000E-03}
12/16/1997		2.180E-01
		{ 6.000E-03}
MEAN		2.173E-01
MINIMUM		2.090E-01
MAXIMUM		2.230E-01
2STD. ERR		5.909E-03

2405 300 WATER INTAKE

OFF DATE	COM	RESULT
03/25/1997		2.230E-01
		{ 8.000E-03}
06/23/1997		2.270E-01
		{ 1.000E-03}
09/24/1997		2.280E-01
		{ 9.000E-03}
12/16/1997		2.240E-01
		{ 7.000E-03}
MEAN		2.255E-01
MINIMUM		2.230E-01
MAXIMUM		2.280E-01
2STD. ERR		2.380E-03

2404 3705 BLDG. 300 AREA

OFF DATE	COM	RESULT
03/25/1997		2.170E-01
		{ 1.100E-02}
06/23/1997		2.020E-01
		{ 1.000E-03}
09/24/1997		2.160E-01
		{ 9.000E-03}
12/16/1997		2.240E-01
		{ 6.000E-03}
MEAN		2.148E-01
MINIMUM		2.020E-01
MAXIMUM		2.240E-01
2STD. ERR		9.215E-03

2409 400 E

OFF DATE	COM	RESULT
03/24/1997		2.240E-01
		{ 3.000E-03}
06/17/1997		2.180E-01
		{ 1.000E-03}
09/23/1997	1	NR
12/15/1997		2.190E-01
		{ 1.000E-03}
MEAN		2.203E-01
MINIMUM		2.180E-01
MAXIMUM		2.240E-01
2STD. ERR		3.712E-03

2410 400 N

OFF DATE	COM	RESULT
03/24/1997		2.290E-01
		{ 6.000E-03}
06/17/1997		2.090E-01
		{ 7.000E-03}
09/23/1997		2.230E-01
		{ 7.000E-03}
12/15/1997		2.290E-01
		{ 1.300E-02}
MEAN		2.225E-01
MINIMUM		2.090E-01
MAXIMUM		2.290E-01
2STD. ERR		9.434E-03

2411 400 S

OFF DATE	COM	RESULT
03/24/1997		2.240E-01
		{ 5.000E-03}
06/17/1997		2.040E-01
		{ 7.000E-03}
09/23/1997		2.180E-01
		{ .000E+00}
12/15/1997		2.270E-01
		{ 8.000E-03}
MEAN		2.183E-01
MINIMUM		2.040E-01
MAXIMUM		2.270E-01
2STD. ERR		1.021E-02

{ } - Total Propagated Analytical Uncertainty.
1 NO SAMPLE. TLD MISSING, LATER SURFACED BUT WILL NOT HAVE ANALYZED.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/15/1997 TO 01/15/1998
TLD SAMPLES - mR/Day

2412 400 W

OFF DATE	COM	RESULT
03/24/1997		2.310E-01
		{ 7.000E-03}
06/17/1997		2.170E-01
		{ 3.000E-03}
09/23/1997		2.320E-01
		{ 2.000E-03}
12/15/1997		2.330E-01
		{ 2.000E-03}
MEAN		2.283E-01
MINIMUM		2.170E-01
MAXIMUM		2.330E-01
2STD. ERR		7.544E-03

2393 B POND

OFF DATE	COM	RESULT
03/18/1997		2.490E-01
		{ 7.000E-03}
06/24/1997		2.410E-01
		{ 3.000E-03}
09/16/1997		2.570E-01
		{ 3.000E-03}
12/22/1997		2.560E-01
		{ 4.000E-03}
MEAN		2.508E-01
MINIMUM		2.410E-01
MAXIMUM		2.570E-01
2STD. ERR		7.411E-03

2392 E OF 200 E

OFF DATE	COM	RESULT
03/18/1997		2.360E-01
		{ 1.500E-02}
06/24/1997		2.240E-01
		{ .000E+00}
09/16/1997		2.470E-01
		{ 1.400E-02}
12/22/1997		2.450E-01
		{ 3.000E-03}
MEAN		2.380E-01
MINIMUM		2.240E-01
MAXIMUM		2.470E-01
2STD. ERR		1.049E-02

2391 N OF 200 E

OFF DATE	COM	RESULT
03/18/1997		2.420E-01
		{ 7.000E-03}
06/24/1997		2.300E-01
		{ 4.000E-03}
09/16/1997		2.370E-01
		{ 4.000E-03}
12/22/1997		2.470E-01
		{ 1.000E-03}
MEAN		2.390E-01
MINIMUM		2.300E-01
MAXIMUM		2.470E-01
2STD. ERR		7.257E-03

2390 S OF 200 E

OFF DATE	COM	RESULT
03/18/1997		2.470E-01
		{ .000E+00}
06/24/1997		2.330E-01
		{ 4.000E-03}
09/16/1997		2.600E-01
		{ 3.000E-03}
12/22/1997		2.390E-01
		{ 2.000E-03}
MEAN		2.448E-01
MINIMUM		2.330E-01
MAXIMUM		2.600E-01
2STD. ERR		1.167E-02

2375 US ECOLOGY NE CORNER

OFF DATE	COM	RESULT
03/21/1997		2.280E-01
		{ 6.000E-03}
06/27/1997		2.020E-01
		{ 3.000E-03}
09/29/1997		2.260E-01
		{ 6.000E-03}
12/30/1997		2.380E-01
		{ 3.000E-03}
MEAN		2.235E-01
MINIMUM		2.020E-01
MAXIMUM		2.380E-01
2STD. ERR		1.526E-02

2377 US ECOLOGY NW CORNER

OFF DATE	COM	RESULT
03/21/1997		2.390E-01
		{ 3.000E-03}
06/27/1997		2.180E-01
		{ 6.000E-03}
09/29/1997		2.330E-01
		{ 2.000E-03}
12/30/1997		2.350E-01
		{ 3.000E-03}
MEAN		2.313E-01
MINIMUM		2.180E-01
MAXIMUM		2.390E-01
2STD. ERR		9.179E-03

2376 US ECOLOGY SE CORNER

OFF DATE	COM	RESULT
03/21/1997		2.450E-01
		{ 3.000E-03}
06/27/1997		2.150E-01
		{ 2.000E-03}
09/29/1997		2.320E-01
		{ 2.000E-03}
12/30/1997		2.440E-01
		{ 7.000E-03}
MEAN		2.340E-01
MINIMUM		2.150E-01
MAXIMUM		2.450E-01
2STD. ERR		1.398E-02

{ } - Total Propagated Analytical Uncertainty.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/15/1997 TO 01/15/1998
TLD SAMPLES - mR/Day

2378 US ECOLOGY SW CORNER

OFF DATE	COM	RESULT
03/21/1997		3.870E-01
		(9.000E-03)
06/27/1997		3.180E-01
		(3.000E-03)
09/29/1997		3.700E-01
		(7.000E-03)
12/30/1997		4.210E-01
		(5.000E-03)
MEAN		3.740E-01
MINIMUM		3.180E-01
MAXIMUM		4.210E-01
2STD. ERR		4.293E-02

2379 WPPSS 1; S OF WNP 2

OFF DATE	COM	RESULT
03/21/1997		2.310E-01
		(7.000E-03)
06/27/1997		2.250E-01
		(2.000E-03)
09/29/1997		2.260E-01
		(.000E+00)
12/30/1997		2.350E-01
		(6.000E-03)
MEAN		2.293E-01
MINIMUM		2.250E-01
MAXIMUM		2.350E-01
2STD. ERR		4.646E-03

2398 BYERS LANDING

OFF DATE	COM	RESULT
03/20/1997		2.460E-01
		(1.100E-02)
06/26/1997		2.440E-01
		(4.000E-03)
09/18/1997		2.530E-01
		(5.000E-03)
12/26/1997		2.560E-01
		(4.000E-03)
MEAN		2.498E-01
MINIMUM		2.440E-01
MAXIMUM		2.560E-01
2STD. ERR		5.679E-03

2397 RINGOLD MET TOWER

OFF DATE	COM	RESULT
03/20/1997		2.440E-01
		(5.000E-03)
06/26/1997		2.280E-01
		(3.000E-03)
09/18/1997		2.510E-01
		(4.000E-03)
12/26/1997		2.420E-01
		(.000E+00)
MEAN		2.413E-01
MINIMUM		2.280E-01
MAXIMUM		2.510E-01
2STD. ERR		9.639E-03

2380 WPPSS 4; WPS WAREHSE

OFF DATE	COM	RESULT
03/21/1997		1.990E-01
		(3.000E-03)
06/27/1997		1.940E-01
		(1.000E-03)
09/29/1997		1.900E-01
		(5.000E-03)
12/30/1997		1.970E-01
		(3.000E-03)
MEAN		1.950E-01
MINIMUM		1.900E-01
MAXIMUM		1.990E-01
2STD. ERR		3.916E-03

2374 WPPSS 8; FIR ROAD

OFF DATE	COM	RESULT
03/20/1997		2.530E-01
		(8.000E-03)
06/26/1997		2.380E-01
		(2.000E-03)
09/18/1997		2.440E-01
		(7.000E-03)
12/26/1997		2.580E-01
		(4.000E-03)
MEAN		2.483E-01
MINIMUM		2.380E-01
MAXIMUM		2.580E-01
2STD. ERR		8.958E-03

2362 100 F FLOOD PLAIN

OFF DATE	COM	RESULT
03/21/1997		2.310E-01
		(4.000E-03)
07/12/1997	1	1.550E-01
		(4.000E-03)
09/29/1997		2.220E-01
		(3.000E-03)
12/30/1997		2.320E-01
		(1.000E-03)
MEAN		2.100E-01
MINIMUM		1.550E-01
MAXIMUM		2.320E-01
2STD. ERR		3.694E-02

2346 100 N TRENCH SPRING

OFF DATE	COM	RESULT
03/27/1997		4.880E-01
		(2.000E-03)
07/12/1997	2	3.000E-01
		(1.400E-02)
09/26/1997		4.660E-01
		(9.000E-03)
12/29/1997		4.270E-01
		(5.000E-03)
MEAN		4.203E-01
MINIMUM		3.000E-01
MAXIMUM		4.880E-01
2STD. ERR		8.404E-02

( ) - Total Propagated Analytical Uncertainty.
1 POST UNDER WATER.
2 2 FEET FROM WATER.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/15/1997 TO 01/15/1998
TLD SAMPLES - mR/Day

2368 100-D ISLAND

OFF DATE	COM	RESULT
03/27/1997		2.440E-01
		{ 5.000E-03}
07/12/1997	1	NR
09/26/1997		2.250E-01
		{ 1.500E-02}
12/29/1997		2.130E-01
		{ .000E+00}
MEAN		2.273E-01
MINIMUM		2.130E-01
MAXIMUM		2.440E-01
2STD. ERR		1.805E-02

2365 ABOVE 100 B AREA

OFF DATE	COM	RESULT
03/27/1997	2	2.480E-01
		{ 2.000E-03}
07/12/1997	3	1.210E-01
		{ 4.000E-03}
09/26/1997		2.120E-01
		{ 4.000E-03}
12/29/1997		2.230E-01
		{ 1.000E-03}
MEAN		2.010E-01
MINIMUM		1.210E-01
MAXIMUM		2.480E-01
2STD. ERR		5.542E-02

2364 ABOVE 1K BOAT RAMP

OFF DATE	COM	RESULT
03/27/1997		2.430E-01
		{ 8.000E-03}
07/12/1997		2.040E-01
		{ 1.000E-03}
09/26/1997		2.320E-01
		{ 3.000E-03}
12/29/1997		2.200E-01
		{ 7.000E-03}
MEAN		2.248E-01
MINIMUM		2.040E-01
MAXIMUM		2.430E-01
2STD. ERR		1.672E-02

2345 ABOVE TIP 100N BERM

OFF DATE	COM	RESULT
03/27/1997		3.230E-01
		{ 1.300E-02}
07/12/1997	4	2.010E-01
		{ 2.000E-03}
09/26/1997		3.130E-01
		{ 6.000E-03}
12/29/1997		2.960E-01
		{ 1.600E-02}
MEAN		2.833E-01
MINIMUM		2.010E-01
MAXIMUM		3.230E-01
2STD. ERR		5.595E-02

2367 BELOW 100 D AREA

OFF DATE	COM	RESULT
03/27/1997		2.420E-01
		{ 1.000E-03}
07/25/1997	5	1.600E-01
		{ .000E+00}
09/26/1997	6	NR
12/29/1997		1.810E-01
		{ .000E+00}
MEAN		1.943E-01
MINIMUM		1.600E-01
MAXIMUM		2.420E-01
2STD. ERR		4.918E-02

2373 BELOW 100 F

OFF DATE	COM	RESULT
03/27/1997		2.300E-01
		{ 2.000E-03}
07/12/1997		1.770E-01
		{ 2.000E-03}
09/26/1997		2.150E-01
		{ 7.000E-03}
12/29/1997		2.130E-01
		{ 7.000E-03}
MEAN		2.088E-01
MINIMUM		1.770E-01
MAXIMUM		2.300E-01
2STD. ERR		2.249E-02

2366 BELOW 100B RET BASIN

OFF DATE	COM	RESULT
03/27/1997	7	3.070E-01
		{ 8.000E-03}
07/12/1997	8	1.360E-01
		{ 4.000E-03}
09/26/1997		2.700E-01
		{ 2.000E-03}
12/29/1997		2.970E-01
		{ 2.000E-03}
MEAN		2.525E-01
MINIMUM		1.360E-01
MAXIMUM		3.070E-01
2STD. ERR		7.922E-02

2343 BELOW 100N OUTFALL

OFF DATE	COM	RESULT
03/27/1997	9	3.440E-01
		{ 3.000E-03}
07/12/1997	10	2.280E-01
		{ 1.000E-03}
09/26/1997		3.470E-01
		{ 3.000E-03}
12/29/1997		3.350E-01
		{ 4.000E-03}
MEAN		3.135E-01
MINIMUM		2.280E-01
MAXIMUM		3.470E-01
2STD. ERR		5.723E-02

{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE. TLD MISSING, DUE TO HIGH WATER.
2 HIGH WATER.
3 WATER SUROUNDING POST.
4 2 FEET FROM WATER.
5 POST UNDER WATER ON 7/12/97. UNABLE TO PLACE NEW TLD UNTIL 7/25/97.
6 NO SAMPLE. TLD MISSING.
7 HIGH WATER.
8 TLD HAD BEEN UNDERWATER, WATER SURROUNDING POST.
9 HIGH WATER.
10 WATER SURROUNDING POST.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/15/1997 TO 01/15/1998
TLD SAMPLES - mR/Day

2344 BELOW 100N STACK

OFF DATE	COM	RESULT
03/27/1997	1	3.100E-01
		{ 1.200E-02}

2369 BELOW OPP 100 D

OFF DATE	COM	RESULT
03/27/1997	2	2.310E-01
		{ 6.000E-03}

2348 HANF POWERLINE XING

OFF DATE	COM	RESULT
03/27/1997	3	2.790E-01
		{ 8.000E-03}
07/12/1997		2.480E-01
		{ 1.300E-02}
09/26/1997		2.520E-01
		{ 1.100E-02}
12/29/1997		2.530E-01
		{ 1.700E-02}
MEAN		2.580E-01
MINIMUM		2.480E-01
MAXIMUM		2.790E-01
2STD. ERR		1.417E-02

2349 HANFORD FERRY LND.

OFF DATE	COM	RESULT
03/27/1997	4	2.380E-01
		{ 8.000E-03}

2350 HANFORD RR TRACK

OFF DATE	COM	RESULT
03/27/1997		2.580E-01
		{ 2.000E-03}
07/12/1997		1.530E-01
		{ 5.000E-03}
09/26/1997		2.430E-01
		{ 3.000E-03}
12/29/1997		2.600E-01
		{ .000E+00}
MEAN		2.285E-01
MINIMUM		1.530E-01
MAXIMUM		2.600E-01
2STD. ERR		5.090E-02

2363 HANFORD SLOUGH

OFF DATE	COM	RESULT
03/21/1997		2.430E-01
		{ 6.000E-03}
06/30/1997	5	NR
09/29/1997		NR
12/30/1997		2.470E-01
		{ 2.000E-03}
MEAN		2.450E-01
MINIMUM		2.430E-01
MAXIMUM		2.470E-01
2STD. ERR		4.000E-03

2361 ISL DS BATEMAN ISL

OFF DATE	COM	RESULT
03/27/1997		2.760E-01
		{ 3.000E-03}
07/12/1997		2.120E-01
		{ 8.000E-03}
09/26/1997	6	NR
12/29/1997		2.680E-01
		{ 1.700E-02}
MEAN		2.520E-01
MINIMUM		2.120E-01
MAXIMUM		2.760E-01
2STD. ERR		4.027E-02

2359 ISLAND NEAR 300 AREA

OFF DATE	COM	RESULT
03/27/1997	7	2.620E-01
		{ 6.000E-03}
07/12/1997		1.310E-01
		{ 4.000E-03}
09/26/1997		2.260E-01
		{ 1.000E-03}
12/29/1997		2.530E-01
		{ 5.000E-03}
MEAN		2.180E-01
MINIMUM		1.310E-01
MAXIMUM		2.620E-01
2STD. ERR		5.998E-02

{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 TLD DISCONTINUED.
2 TLD DISCONTINUED.
3 TLD PO211 ASSIGNED TO THIS LOCATION, BUT PO214 WAS PICKED UP FROM THIS LOCATION ON 3/27/97.
TLD REFER TO SAMPLE COMMENT. RESULT REPORTED FOR B0KJ60 AND B0KJ61 WERE SWITCHED ACCORDINGLY.
4 TLD PO214 ASSIGNED TO THIS LOCATION, BUT PO211 WAS PICKED UP FROM THIS LOCATION ON 3/27/97. TLD DISCONTINUED.
TLD REFER TO SAMPLE COMMENT. RESULT REPORTED FOR B0KJ61 AND B0KJ60 WERE SWITCHED ACCORDINGLY.
5 NO SAMPLE. TLD MISSING.
6 NO SAMPLE. TLD MISSING.
7 HIGH WATER.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/15/1997 TO 01/15/1998
TLD SAMPLES - mR/Day

2358 ISLND ABOVE 300 AREA

OFF DATE	COM	RESULT
03/27/1997		2.780E-01
		{ 5.000E-03}
07/12/1997		2.430E-01
		{ 3.000E-03}
09/26/1997		2.740E-01
		{ 1.500E-02}
12/29/1997		2.600E-01
		{ .000E+00}
MEAN		2.638E-01
MINIMUM		2.430E-01
MAXIMUM		2.780E-01
2STD. ERR		1.584E-02

2370 LO END LOCKE ISL

OFF DATE	COM	RESULT
03/27/1997		2.530E-01
		{ 2.100E-02}
07/12/1997		2.020E-01
		{ .000E+00}
09/26/1997		2.400E-01
		{ 9.000E-03}
12/29/1997		2.370E-01
		{ 1.300E-02}
MEAN		2.330E-01
MINIMUM		2.020E-01
MAXIMUM		2.530E-01
2STD. ERR		2.180E-02

2354 N END WOODED ISLAND

OFF DATE	COM	RESULT
03/27/1997	1	2.790E-01
		{ 2.000E-03}

2360 PORT OF BENTON-RIVER

OFF DATE	COM	RESULT
03/21/1997		2.550E-01
		{ 1.700E-02}
06/27/1997		2.230E-01
		{ 1.200E-02}
09/29/1997		2.370E-01
		{ 9.000E-03}
12/30/1997		2.340E-01
		{ 7.000E-03}
MEAN		2.373E-01
MINIMUM		2.230E-01
MAXIMUM		2.550E-01
2STD. ERR		1.328E-02

2353 POWERLINE CROSSING

OFF DATE	COM	RESULT
03/27/1997		2.540E-01
		{ 4.000E-03}
07/12/1997		1.550E-01
		{ 1.000E-03}
09/26/1997		2.420E-01
		{ 9.000E-03}
12/29/1997		2.440E-01
		{ 9.000E-03}
MEAN		2.238E-01
MINIMUM		1.550E-01
MAXIMUM		2.540E-01
2STD. ERR		4.613E-02

2352 RINGOLD ISLAND

OFF DATE	COM	RESULT
03/27/1997		2.570E-01
		{ 8.000E-03}
07/12/1997	2	NR
09/26/1997		2.260E-01
		{ 7.000E-03}
12/29/1997		2.290E-01
		{ 5.000E-03}
MEAN		2.373E-01
MINIMUM		2.260E-01
MAXIMUM		2.570E-01
2STD. ERR		1.974E-02

2357 S END WOODED ISLAND

OFF DATE	COM	RESULT
03/27/1997		2.730E-01
		{ 4.000E-03}
07/12/1997		2.220E-01
		{ 1.200E-02}
09/26/1997		2.570E-01
		{ .000E+00}
12/29/1997		2.590E-01
		{ 6.000E-03}
MEAN		2.528E-01
MINIMUM		2.220E-01
MAXIMUM		2.730E-01
2STD. ERR		2.170E-02

2351 SAVAGE ISL SLOUGH

OFF DATE	COM	RESULT
03/27/1997		2.390E-01
		{ 7.000E-03}
07/12/1997	3	NR
09/26/1997		2.110E-01
		{ 3.000E-03}
12/29/1997		2.210E-01
		{ 7.000E-03}
MEAN		2.237E-01
MINIMUM		2.110E-01
MAXIMUM		2.390E-01
2STD. ERR		1.638E-02

{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 TLD DISCONTINUED.
2 NO SAMPLE. TLD MISSING, APPEARS TO HAVE BEEN PULLED OFF OF POST, TOP PORTION STILL THERE.
3 NO SAMPLE. TLD MISSING DUE TO HIGH WATER.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/15/1997 TO 01/15/1998
TLD SAMPLES - mR/Day

2372 WHITE BLUFFS FY LND.

OFF DATE	COM	RESULT
03/27/1997		2.350E-01
		{ .000E+00}
07/12/1997		1.740E-01
		{ 3.000E-03}
09/26/1997		2.250E-01
		{ 6.000E-03}
12/29/1997		2.360E-01
		{ 1.400E-02}
MEAN		2.175E-01
MINIMUM		1.740E-01
MAXIMUM		2.360E-01
2STD. ERR		2.942E-02

2371 WHITE BLUFFS SLOUGH

OFF DATE	COM	RESULT
03/27/1997		2.670E-01
		{ 8.000E-03}
07/12/1997		1.340E-01
		{ 3.000E-03}
09/26/1997		2.380E-01
		{ 2.000E-03}
01/06/1998	1	NR
MEAN		2.130E-01
MINIMUM		1.340E-01
MAXIMUM		2.670E-01
2STD. ERR		8.075E-02

{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE. UNABLE TO COLLECT ON 12/29/97 OR 1/6/98 DUE TO EAGLE NESTING AREA. TLD WILL REMAIN IN FIELD UNTIL MARCH 1998.

Foodstuffs

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/01/1997 TO 12/31/1997
FOODSTUFFS - MILK SAMPLES

2335 SAGEMOOR COMPOSITE (COW , MILK)

OFF DATE	COM	BE-7 PCI/L	CO-60 PCI/L	CS-134 PCI/L	CS-137 PCI/L	EU-154 PCI/L	K-40 PCI/L	SR-90 PCI/L
02/06/1997		< -4.350E-01	< -2.180E+00	< -8.020E-01	< 7.710E-01	< 1.630E+00	1.310E+03	6.000E-01
		{ 2.690E+01}	{ 3.930E+00}	{ 3.020E+00}	{ 3.140E+00}	{ 1.190E+01}	{ 1.870E+02}	{ 3.640E-01}
05/01/1997		< 1.040E+01	< 5.420E-01	< 7.290E-01	< -1.750E+00	< 4.140E+00	1.440E+03	8.710E-01
		{ 2.210E+01}	{ 3.370E+00}	{ 2.530E+00}	{ 3.060E+00}	{ 9.970E+00}	{ 1.990E+02}	{ 3.960E-01}
08/12/1997		< 2.060E+01	5.040E+00	< 1.320E+00	< -8.800E-01	< 1.100E+00	1.760E+03	< 5.390E-01
		{ 2.380E+01}	{ 2.760E+00}	{ 2.540E+00}	{ 2.630E+00}	{ 9.260E+00}	{ 2.150E+02}	{ 6.210E-01}
10/16/1997		< -1.800E+01	< 1.020E-01	< -1.060E+00	2.880E+00	< -6.410E+00	1.630E+03	7.700E-01
		{ 2.720E+01}	{ 3.400E+00}	{ 2.500E+00}	{ 2.610E+00}	{ 1.000E+01}	{ 2.040E+02}	{ 3.910E-01}
MEAN		3.141E+00	8.760E-01	4.675E-02	2.553E-01	1.150E-01	1.535E+03	6.950E-01
MINIMUM		< -1.800E+01	< -2.180E+00	< -1.060E+00	< -1.750E+00	< -6.410E+00	1.310E+03	< 5.390E-01
MAXIMUM		< 2.060E+01	5.040E+00	< 1.320E+00	2.880E+00	< 4.140E+00	1.760E+03	8.710E-01
2STD. ERR		1.650E+01	3.022E+00	1.159E+00	2.038E+00	4.548E+00	1.994E+02	1.527E-01

2337 SAGEMOOR COMPOSITE (COW , MILK)

OFF DATE	COM	I-129 PCI/L
05/01/1997		6.191E-04
		{ 9.534E-05}
10/16/1997		5.708E-04
		{ 5.366E-05}
MEAN		5.950E-04
MINIMUM		5.708E-04
MAXIMUM		6.191E-04
2STD. ERR		4.830E-05

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

2340 SUNNYSIDE AREA (COW , MILK)

OFF DATE	COM	BE-7 PCI/L	CO-60 PCI/L	CS-134 PCI/L	CS-137 PCI/L	EU-154 PCI/L	K-40 PCI/L	SR-90 PCI/L
01/02/1997		< 1.380E+01	< 1.190E+00	< -3.680E-01	< -1.440E-01	< 2.270E+00	1.240E+03	< 3.440E-01
		{ 2.500E+01}	{ 2.930E+00}	{ 2.470E+00}	{ 2.770E+00}	{ 9.070E+00}	{ 1.710E+02}	{ 3.700E-01}
04/24/1997		< -6.960E+00	< -4.640E-01	< 1.150E+00	< -3.240E-01	< -1.470E+00	1.140E+03	2.050E+00
		{ 2.290E+01}	{ 3.230E+00}	{ 2.440E+00}	{ 2.670E+00}	{ 1.010E+01}	{ 1.810E+02}	{ 5.900E-01}
08/14/1997		< -2.260E+01	< -3.000E+00	< -4.000E-01	< -2.530E+00	< -6.110E+00	1.220E+03	6.270E-01
		{ 2.720E+01}	{ 3.170E+00}	{ 2.780E+00}	{ 3.060E+00}	{ 9.720E+00}	{ 1.810E+02}	{ 4.380E-01}
10/10/1997		2.860E+01	< -3.590E+00	< -6.620E-02	< 1.620E+00	< -3.440E+00	9.750E+02	3.880E-01
		{ 2.350E+01}	{ 3.230E+00}	{ 2.480E+00}	{ 3.120E+00}	{ 1.090E+01}	{ 1.660E+02}	{ 3.680E-01}
MEAN		3.210E+00	-1.466E+00	7.895E-02	-3.445E-01	-2.188E+00	1.144E+03	8.523E-01
MINIMUM		< -2.260E+01	< -3.590E+00	< -4.000E-01	< -2.530E+00	< -6.110E+00	9.750E+02	< 3.440E-01
MAXIMUM		2.860E+01	< 1.190E+00	< 1.150E+00	< 1.620E+00	< 2.270E+00	1.240E+03	2.050E+00
2STD. ERR		2.256E+01	2.230E+00	7.297E-01	1.701E+00	3.528E+00	1.205E+02	8.081E-01

2341 SUNNYSIDE AREA (COW , MILK)

OFF DATE	COM	I-129 PCI/L
04/24/1997		2.261E-04
		{ 2.125E-05}
10/10/1997		8.010E-05
		{ 1.073E-05}
MEAN		1.531E-04
MINIMUM		8.010E-05
MAXIMUM		2.261E-04
2STD. ERR		1.460E-04

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

2338 WAHLUKE AREA COMP (COW , MILK)

OFF DATE	COM	BE-7 PCI/L	CO-60 PCI/L	CS-134 PCI/L	CS-137 PCI/L	EU-154 PCI/L	K-40 PCI/L	SR-90 PCI/L
01/31/1997	1	< 9.460E+00	< 7.730E-01	3.120E+00	< 2.590E+00	< 1.890E+00	1.100E+03	6.010E-01
		{ 2.270E+01}	{ 3.140E+00}	{ 2.550E+00}	{ 2.660E+00}	{ 9.350E+00}	{ 1.670E+02}	{ 3.220E-01}
04/17/1997		2.550E+01	< -3.510E+00	< -6.830E-01	< 2.240E-01	9.360E+00	1.240E+03	9.010E-01
		{ 2.230E+01}	{ 3.290E+00}	{ 2.650E+00}	{ 2.830E+00}	{ 8.290E+00}	{ 1.680E+02}	{ 3.880E-01}
08/12/1997		< 5.790E+00	< 9.840E-01	< 1.590E+00	< -2.410E+00	< -3.860E+00	1.370E+03	6.400E-01
		{ 2.470E+01}	{ 3.310E+00}	{ 2.920E+00}	{ 3.220E+00}	{ 1.090E+01}	{ 1.880E+02}	{ 3.580E-01}
10/01/1997		< -3.580E+01	< -3.780E+00	< -6.530E-01	< 2.660E+00	< 4.190E+00	1.330E+03	5.120E-01
		{ 2.380E+01}	{ 3.370E+00}	{ 2.490E+00}	{ 2.930E+00}	{ 8.660E+00}	{ 1.740E+02}	{ 3.860E-01}
MEAN		1.238E+00	-1.383E+00	8.435E-01	7.660E-01	2.895E+00	1.260E+03	6.635E-01
MINIMUM		< -3.580E+01	< -3.780E+00	< -6.830E-01	< -2.410E+00	< -3.860E+00	1.100E+03	5.120E-01
MAXIMUM		2.550E+01	< 9.840E-01	3.120E+00	< 2.660E+00	9.360E+00	1.370E+03	9.010E-01
2STD. ERR		2.613E+01	2.615E+00	1.854E+00	2.401E+00	5.481E+00	1.197E+02	1.671E-01

2339 WAHLUKE AREA COMP (COW , MILK)

OFF DATE	COM	I-129 PCI/L
04/17/1997		4.038E-04
		{ 5.653E-05}
10/01/1997		3.393E-04
		{ 4.343E-05}
MEAN		3.716E-04
MINIMUM		3.393E-04
MAXIMUM		4.038E-04
2STD. ERR		6.450E-05

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
1 PARMART DAIRY NOW CALLED DAN MAUR FARM.

2471 RIVERVIEW AREA (LEAFY VEGETABLES , STM-LV)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
07/28/1997		< -8.980E-03	< -9.630E-03	< -2.460E-03	1.020E-02	< -8.590E-03	3.010E+00	3.390E-02
		(7.470E-02)	(9.870E-03)	(7.630E-03)	(8.130E-03)	(3.130E-02)	(4.650E-01)	(8.260E-03)

2470 SAGEMOOR AREA (LEAFY VEGETABLES , STM-LV)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
07/28/1997		< -4.430E-02	< -9.540E-04	< -6.560E-03	< -6.680E-03	3.210E-02	1.920E+00	1.730E-03
		(6.060E-02)	(9.970E-03)	(9.010E-03)	(8.720E-03)	(2.730E-02)	(3.660E-01)	(2.170E-03)

2472 SUNNYSIDE AREA (LEAFY VEGETABLES , STM-LV)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
08/11/1997		< -9.750E-03	< -9.610E-04	4.870E-04	3.140E-03	2.600E-02	2.400E+00	1.880E-03
		(7.090E-02)	(1.000E-02)	(7.220E-03)	(8.860E-03)	(2.920E-02)	(4.090E-01)	(4.160E-03)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/01/1997 TO 12/31/1997
FOODSTUFFS - VEGETABLES

2654 EAST WAHLUKE AREA (POTATO , TUBER)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
08/08/1997		1.760E-02	8.800E-05	< -6.260E-03	3.230E-03	< -1.570E-02	4.500E+00	9.720E-03
		(6.610E-02)	(8.690E-03)	(6.590E-03)	(7.870E-03)	(2.930E-02)	(5.720E-01)	(8.950E-03)

2651 HORN RAPIDS AREA (POTATO , TUBER)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
08/04/1997		5.550E-02	3.450E-04	< -1.740E-03	< -3.840E-03	1.630E-03	3.800E+00	1.020E-02
		(5.980E-02)	(5.800E-03)	(5.090E-03)	(6.580E-03)	(2.070E-02)	(4.850E-01)	(4.990E-03)

2650 RIVERVIEW AREA (POTATO , TUBER)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
07/28/1997		< -3.210E-02	1.020E-02	6.760E-03	< -6.840E-04	< -1.320E-02	3.130E+00	1.070E-03
		(6.540E-02)	(9.320E-03)	(6.390E-03)	(8.200E-03)	(2.780E-02)	(4.660E-01)	(3.330E-03)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.

2652 SAGEMOOR AREA (POTATO , TUBER)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
07/28/1997		4.020E-02	9.030E-03	4.060E-03	< -2.670E-03	< -7.310E-03	3.450E+00	4.210E-03
		{ 5.640E-02}	{ 7.680E-03}	{ 5.640E-03}	{ 7.890E-03}	{ 2.870E-02}	{ 4.680E-01}	{ 3.750E-03}

2653 SUNNYSIDE AREA (POTATO , TUBER)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
07/31/1997		< -5.090E-02	< -1.240E-03	< -1.720E-03	5.750E-03	2.520E-02	3.440E+00	< -3.770E-04
		{ 6.230E-02}	{ 8.590E-03}	{ 7.060E-03}	{ 7.340E-03}	{ 2.720E-02}	{ 5.030E-01}	{ 3.670E-03}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/01/1997 TO 12/31/1997
FOODSTUFFS - FRUIT

2640 MATTAWA AREA (APPLES , FRUIT)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
08/27/1997		1.820E-02	6.660E-04	9.530E-04	6.640E-03	< -1.720E-02	1.020E+00	2.290E-03
		{ 7.400E-02}	{ 9.140E-03}	{ 6.700E-03}	{ 7.290E-03}	{ 2.800E-02}	{ 2.970E-01}	{ 3.060E-03}

2638 RIVERVIEW AREA (APPLES , FRUIT)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
08/08/1997		< -3.550E-02	8.290E-03	6.080E-03	< -8.340E-03	< -1.290E-02	5.280E-01	2.440E-04
		{ 7.980E-02}	{ 7.600E-03}	{ 9.040E-03}	{ 9.850E-03}	{ 3.140E-02}	{ 2.890E-01}	{ 1.830E-03}

2635 SAGEMOOR AREA (APPLES , FRUIT)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
08/08/1997		3.320E-02	7.360E-03	< -5.360E-03	4.950E-04	2.180E-03	1.280E+00	3.940E-04
		{ 7.550E-02}	{ 6.630E-03}	{ 8.840E-03}	{ 8.700E-03}	{ 2.980E-02}	{ 3.230E-01}	{ 2.050E-03}

2637 SUNNYSIDE AREA (APPLES , FRUIT)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
08/11/1997		< -5.700E-04	6.820E-03	2.580E-03	3.280E-03	1.290E-02	1.220E+00	3.240E-04
		{ 7.800E-02}	{ 7.290E-03}	{ 6.710E-03}	{ 7.520E-03}	{ 2.150E-02}	{ 2.740E-01}	{ 2.280E-03}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

3115 HANFORD TOWNSITE (QUINCE , FRUIT)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G
07/25/1997		< 2.390E-03 { 1.080E-02}	< -2.300E-03 { 9.720E-03}	< 4.210E-03 { 4.640E-03}

3179 HANFORD TOWNSITE (QUINCE , LEAVES)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G
07/25/1997		2.220E-02 { 1.160E-02}	< -7.950E-03 { 1.080E-02}	9.410E-02 { 2.530E-02}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/01/1997 TO 12/31/1997
SPECIAL - FRUIT

3180 100 D AREA (APRICOTS , LEAVES)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G
07/25/1997	1	2.130E-02	< .000E+00	1.130E-02
		{ 1.620E-02}	{ 1.290E-02}	{ 4.260E-03}
	2	< 2.580E-03	< -9.550E-04	1.530E-02
		{ 1.830E-02}	{ 1.350E-02}	{ 5.360E-03}
MEAN		1.194E-02	-4.775E-04	1.330E-02
MINIMUM		< 2.580E-03	< -9.550E-04	1.130E-02
MAXIMUM		2.130E-02	< .000E+00	1.530E-02
2STD. ERR		1.872E-02	9.550E-04	4.000E-03

3200 100 F AREA (APRICOTS , LEAVES)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G
08/19/1997		< 1.130E-02	< 4.630E-03	1.600E-01
		{ 1.360E-02}	{ 1.070E-02}	{ 3.280E-02}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
1 LOCATION #1.
2 LOCATION #2.

3117 HANFORD TOWNSITE (QUINCE , LEAVES)

OFF DATE	COM	LO_TRITIUM PCI/L
07/25/1997		1.520E+01
		{ 7.400E+00}

3119 100 D AREA (APRICOT , LEAVES)

OFF DATE	COM	LO_TRITIUM PCI/L
07/25/1997	1	6.180E+02
		{ 5.720E+01}
	2	5.030E+02
		{ 4.740E+01}
MEAN		5.605E+02
MINIMUM		5.030E+02
MAXIMUM		6.180E+02
2STD. ERR		1.150E+02

3199 100 F AREA (APRICOTS , LEAVES)

OFF DATE	COM	LO_TRITIUM PCI/L
08/19/1997		1.210E+01
		{ 7.200E+00}

{ } - Total Propagated Analytical Uncertainty.
1 LOCATION #1.
2 LOCATION #2.

2727 COLUMBIA BASIN (WINE , RED WINE)

OFF DATE	COM	BE-7 PCI/L	CO-60 PCI/L	CS-134 PCI/L	CS-137 PCI/L	EU-154 PCI/L	K-40 PCI/L	TRITIUM PCI/L
11/10/1997		< 7.780E+00	< -2.070E+00	< -7.070E-01	< 3.420E-01	< -1.120E+00	1.910E+03	2.760E+01
		(2.840E+01)	(3.580E+00)	(2.940E+00)	(3.070E+00)	(1.080E+01)	(2.310E+02)	(9.120E+00)
		< 2.400E+01	< 7.240E-01	< -2.150E+00	< 1.200E+00	< 3.880E+00	1.940E+03	3.440E+01
		(2.760E+01)	(3.310E+00)	(2.950E+00)	(3.020E+00)	(1.010E+01)	(2.320E+02)	(9.550E+00)
MEAN		1.589E+01	-6.730E-01	-1.429E+00	7.710E-01	1.380E+00	1.925E+03	3.100E+01
MINIMUM		< 7.780E+00	< -2.070E+00	< -2.150E+00	< 3.420E-01	< -1.120E+00	1.910E+03	2.760E+01
MAXIMUM		< 2.400E+01	< 7.240E-01	< -7.070E-01	< 1.200E+00	< 3.880E+00	1.940E+03	3.440E+01
2STD. ERR		1.622E+01	2.794E+00	1.443E+00	8.580E-01	5.000E+00	3.000E+01	6.800E+00

2725 YAKIMA VALLEY (WINE , RED WINE)

OFF DATE	COM	BE-7 PCI/L	CO-60 PCI/L	CS-134 PCI/L	CS-137 PCI/L	EU-154 PCI/L	K-40 PCI/L	TRITIUM PCI/L
11/10/1997		< -5.380E+00	< -2.860E+00	< 8.410E-01	< -1.720E+00	< -1.930E+00	1.230E+03	2.170E+01
		(2.540E+01)	(3.730E+00)	(2.730E+00)	(2.750E+00)	(9.270E+00)	(1.710E+02)	(1.160E+01)
		< -2.810E+00	< -1.780E-01	< -3.180E+00	< -1.240E+00	< 6.410E-01	1.220E+03	2.480E+01
		(2.880E+01)	(3.460E+00)	(2.810E+00)	(3.040E+00)	(9.980E+00)	(1.680E+02)	(8.920E+00)
MEAN		-4.095E+00	-1.519E+00	-1.170E+00	-1.480E+00	-6.445E-01	1.225E+03	2.325E+01
MINIMUM		< -5.380E+00	< -2.860E+00	< -3.180E+00	< -1.720E+00	< -1.930E+00	1.220E+03	2.170E+01
MAXIMUM		< -2.810E+00	< -1.780E-01	< 8.410E-01	< -1.240E+00	< 6.410E-01	1.230E+03	2.480E+01
2STD. ERR		2.570E+00	2.682E+00	4.021E+00	4.800E-01	2.571E+00	1.000E+01	3.100E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.

2728 COLUMBIA BASIN (WINE , WHITE WINE)

OFF DATE	COM	BE-7 PCI/L	CO-60 PCI/L	CS-134 PCI/L	CS-137 PCI/L	EU-154 PCI/L	K-40 PCI/L	TRITIUM PCI/L
11/10/1997	1	< 5.030E+00	< 2.600E+00	3.060E+00	< -1.390E+00	< -2.830E+00	1.470E+03	NR
		{ 2.740E+01}	{ 3.000E+00}	{ 2.670E+00}	{ 3.070E+00}	{ 9.700E+00}	{ 1.890E+02}	
		< -7.740E+00	< 2.710E+00	< 2.230E+00	< -4.600E-01	< -1.140E+01	1.470E+03	2.560E+01
		{ 2.620E+01}	{ 2.830E+00}	{ 2.390E+00}	{ 2.830E+00}	{ 9.580E+00}	{ 1.960E+02}	{ 8.970E+00}
MEAN		-1.355E+00	2.655E+00	2.645E+00	-9.250E-01	-7.115E+00	1.470E+03	2.560E+01
MINIMUM		< -7.740E+00	< 2.600E+00	< 2.230E+00	< -1.390E+00	< -1.140E+01	1.470E+03	2.560E+01
MAXIMUM		< 5.030E+00	< 2.710E+00	3.060E+00	< -4.600E-01	< -2.830E+00	1.470E+03	2.560E+01
2STD. ERR		1.277E+01	1.100E-01	8.300E-01	9.300E-01	8.570E+00	.000E+00	.000E+00

2726 YAKIMA VALLEY (WINE , WHITE WINE)

OFF DATE	COM	BE-7 PCI/L	CO-60 PCI/L	CS-134 PCI/L	CS-137 PCI/L	EU-154 PCI/L	K-40 PCI/L	TRITIUM PCI/L
11/10/1997		< 1.080E+01	< 2.540E+00	< 1.990E+00	2.970E+00	< 2.720E+00	1.370E+03	1.940E+01
		{ 2.840E+01}	{ 3.320E+00}	{ 2.930E+00}	{ 2.970E+00}	{ 9.780E+00}	{ 1.780E+02}	{ 8.780E+00}
		< -1.520E+01	< -5.770E-02	< -1.020E+00	< 1.870E+00	< -7.650E+00	1.320E+03	3.150E+01
		{ 2.680E+01}	{ 3.400E+00}	{ 2.870E+00}	{ 3.010E+00}	{ 9.300E+00}	{ 1.770E+02}	{ 9.360E+00}
MEAN		-2.200E+00	1.241E+00	4.850E-01	2.420E+00	-2.465E+00	1.345E+03	2.545E+01
MINIMUM		< -1.520E+01	< -5.770E-02	< -1.020E+00	< 1.870E+00	< -7.650E+00	1.320E+03	1.940E+01
MAXIMUM		< 1.080E+01	< 2.540E+00	< 1.990E+00	2.970E+00	< 2.720E+00	1.370E+03	3.150E+01
2STD. ERR		2.600E+01	2.598E+00	3.010E+00	1.100E+00	1.037E+01	5.000E+01	1.210E+01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 TRITIUM RESULT LOST DURING PROCESSING.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/01/1997 TO 12/31/1997
FOODSTUFFS - ALFALFA

2480 HORN RAPIDS AREA (ALFALFA , STM-LV)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
06/06/1997		1.860E+00 <	-1.220E-02 <	3.630E-03 <	6.530E-03 <	1.250E-03	1.120E+01	1.550E-01
		{ 2.610E-01}	{ 1.080E-02}	{ 8.470E-03}	{ 9.550E-03}	{ 3.400E-02}	{ 1.230E+00}	{ 3.030E-02}
		2.530E+00 <	-2.580E-04 <	-3.620E-03 <	-8.040E-03 <	2.170E-02	1.200E+01	8.730E-02
		{ 3.510E-01}	{ 1.330E-02}	{ 1.120E-02}	{ 1.180E-02}	{ 4.700E-02}	{ 1.350E+00}	{ 1.960E-02}
MEAN		2.195E+00	-6.229E-03	5.000E-06	-7.550E-04	1.148E-02	1.160E+01	1.212E-01
MINIMUM		1.860E+00 <	-1.220E-02 <	-3.620E-03 <	-8.040E-03 <	1.250E-03	1.120E+01	8.730E-02
MAXIMUM		2.530E+00 <	-2.580E-04 <	3.630E-03 <	6.530E-03 <	2.170E-02	1.200E+01	1.550E-01
2STD. ERR		6.700E-01	1.194E-02	7.250E-03	1.457E-02	2.045E-02	8.000E-01	6.770E-02

2475 RIVERVIEW AREA (ALFALFA , STM-LV)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
06/09/1997	1	1.190E+00 <	9.700E-04 <	-9.940E-03 <	-1.460E-02 <	-1.580E-02	1.840E+01	7.970E-02
		{ 2.600E-01}	{ 1.410E-02}	{ 9.140E-03}	{ 1.070E-02}	{ 4.540E-02}	{ 1.970E+00}	{ 2.150E-02}
		1.340E+00 <	2.800E-03	1.300E-02 <	4.810E-03 <	-4.220E-02	1.840E+01	4.800E-02
		{ 2.240E-01}	{ 1.300E-02}	{ 9.560E-03}	{ 1.080E-02}	{ 4.280E-02}	{ 1.960E+00}	{ 1.200E-02}
MEAN		1.265E+00	1.885E-03	1.530E-03	-4.895E-03	-2.900E-02	1.840E+01	6.385E-02
MINIMUM		1.190E+00 <	9.700E-04 <	-9.940E-03 <	-1.460E-02 <	-4.220E-02	1.840E+01	4.800E-02
MAXIMUM		1.340E+00 <	2.800E-03	1.300E-02 <	4.810E-03 <	-1.580E-02	1.840E+01	7.970E-02
2STD. ERR		1.500E-01	1.830E-03	2.294E-02	1.941E-02	2.640E-02	.000E+00	3.170E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
1 SR-90 REFER TO 9/5/97 INCIDENT REPORT, CHEMICAL YIELD LESS THAN 20%.

2474 SAGEMOOR AREA (ALFALFA , STM-LV)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
06/02/1997	1	6.640E-01 <	-9.170E-03 <	8.970E-04 <	-1.300E-02 <	-1.110E-02	1.800E+01	1.230E-02
		{ 1.580E-01}	{ 1.290E-02}	{ 9.680E-03}	{ 1.160E-02}	{ 4.370E-02}	{ 1.910E+00}	{ 5.590E-03}
	2	7.540E-01 <	8.060E-03 <	-6.190E-03 <	-5.460E-03 <	-5.530E-02	1.850E+01 <	6.940E-03
		{ 2.030E-01}	{ 1.100E-02}	{ 1.030E-02}	{ 1.030E-02}	{ 4.380E-02}	{ 1.970E+00}	{ 9.730E-03}
MEAN		7.090E-01	-5.550E-04	-2.647E-03	-9.230E-03	-3.320E-02	1.825E+01	9.620E-03
MINIMUM		6.640E-01 <	-9.170E-03 <	-6.190E-03 <	-1.300E-02 <	-5.530E-02	1.800E+01 <	6.940E-03
MAXIMUM		7.540E-01 <	8.060E-03 <	8.970E-04 <	-5.460E-03 <	-1.110E-02	1.850E+01	1.230E-02
2STD. ERR		9.000E-02	1.723E-02	7.087E-03	7.540E-03	4.420E-02	5.000E-01	5.360E-03

2478 SUNNYSIDE AREA (ALFALFA , STM-LV)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
06/02/1997		8.520E-01 <	-2.060E-03 <	-5.110E-03 <	-9.630E-03 <	-1.800E-04	2.440E+01	8.950E-02
		{ 2.450E-01}	{ 1.290E-02}	{ 9.140E-03}	{ 1.100E-02}	{ 4.360E-02}	{ 2.530E+00}	{ 1.960E-02}
		6.090E-01 <	1.600E-03	1.110E-02 <	-3.530E-03 <	3.510E-03	2.240E+01	7.770E-02
		{ 1.740E-01}	{ 1.170E-02}	{ 9.120E-03}	{ 1.010E-02}	{ 4.720E-02}	{ 2.350E+00}	{ 1.780E-02}
MEAN		7.305E-01	-2.300E-04	2.995E-03	-6.580E-03	1.665E-03	2.340E+01	8.360E-02
MINIMUM		6.090E-01 <	-2.060E-03 <	-5.110E-03 <	-9.630E-03 <	-1.800E-04	2.240E+01	7.770E-02
MAXIMUM		8.520E-01 <	1.600E-03	1.110E-02 <	-3.530E-03 <	3.510E-03	2.440E+01	8.950E-02
2STD. ERR		2.430E-01	3.660E-03	1.621E-02	6.100E-03	3.690E-03	2.000E+00	1.180E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
1 COLLECTED AT TAYLOR FLATS AND SELPH LANDING.
2 COLLECTED AT TAYLOR FLATS AND SELPH LANDING.

Wildlife

2697 100-N - 100-D (WHITEFISH , MUSCLE)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G
01/27/1997		NR	NR	NR	NR	NR	NR
02/27/1997		< -6.390E-02	< 1.600E-02	< 1.340E-02	2.420E-02	< 4.450E-02	4.950E+00
		{ 1.890E-01}	{ 1.950E-02}	{ 1.710E-02}	{ 1.960E-02}	{ 5.730E-02}	{ 8.410E-01}
03/10/1997		2.020E-01	1.730E-02	< -5.560E-03	2.810E-02	< -2.240E-02	4.180E+00
		{ 1.740E-01}	{ 1.560E-02}	{ 1.830E-02}	{ 2.110E-02}	{ 6.670E-02}	{ 9.490E-01}
		< 6.300E-03	< -7.990E-03	< -7.110E-03	1.440E-02	< 2.230E-02	4.300E+00
		{ 1.160E-01}	{ 1.470E-02}	{ 1.260E-02}	{ 1.330E-02}	{ 3.830E-02}	{ 6.870E-01}
12/12/1997		< -1.770E-01	< 7.690E-03	< -5.090E-03	< -1.180E-02	< 5.550E-03	3.290E+00
		{ 4.080E-01}	{ 3.110E-02}	{ 3.110E-02}	{ 3.340E-02}	{ 9.320E-02}	{ 9.770E-01}
MEAN		-8.150E-03	8.250E-03	-1.090E-03	1.373E-02	1.249E-02	4.180E+00
MINIMUM		< -1.770E-01	< -7.990E-03	< -7.110E-03	< -1.180E-02	< -2.240E-02	3.290E+00
MAXIMUM		2.020E-01	1.730E-02	< 1.340E-02	2.810E-02	< 4.450E-02	4.950E+00
2STD. ERR		1.592E-01	1.163E-02	9.698E-03	1.797E-02	2.820E-02	6.830E-01

2698 100-N - 100-D (WHITEFISH , CARCASS)

OFF DATE	COM	SR-90 PCI/G
01/27/1997		NR
02/27/1997		3.310E-02
		{ 7.650E-03}
03/10/1997		< -4.060E-04
		{ 2.390E-03}
		< 1.740E-03
		{ 4.630E-03}
12/12/1997		< 1.500E-02
		{ 2.270E-02}
MEAN		1.236E-02
MINIMUM		< -4.060E-04
MAXIMUM		3.310E-02
2STD. ERR		1.542E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.
NR - No result reported.

3271 100N SPRING SHORELIN (SCULPIN , WHOLEORG)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G
09/11/1997		2.340E-02 <	1.280E-02	7.540E-01
		{ 2.310E-02}	{ 2.490E-02}	{ 1.450E-01}

3272 S END VERNITA BRIDGE (SCULPIN , WHOLEORG)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G
09/11/1997		< 3.370E-02	< 8.870E-03	1.520E-02
		{ 4.980E-02}	{ 4.780E-02}	{ 9.010E-03}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

2741 100-N - 100-D (GOOSE-WESTERN CANADIAN , MUSCLE)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
08/05/1997	1	< -3.760E-02	3.480E-02 <	2.930E-02 <	1.770E-02 <	-2.210E-02	3.700E+00	3.410E-03
		{ 3.170E-01}	{ 3.380E-02}	{ 3.400E-02}	{ 3.260E-02}	{ 9.380E-02}	{ 1.040E+00}	{ 3.030E-03}
	2	< 8.700E-02 <	7.100E-03 <	-7.210E-03	4.400E-02 <	1.640E-02	3.120E+00 <	3.370E-03
		{ 2.290E-01}	{ 2.010E-02}	{ 2.120E-02}	{ 2.290E-02}	{ 6.110E-02}	{ 7.940E-01}	{ 4.990E-03}
	3	< -1.120E-02	2.080E-02 <	4.120E-03 <	8.640E-03 <	5.890E-02	3.030E+00	5.110E-03
		{ 2.180E-01}	{ 1.630E-02}	{ 2.090E-02}	{ 2.120E-02}	{ 6.590E-02}	{ 8.770E-01}	{ 3.810E-03}
	4	< -1.300E-01 <	7.930E-03 <	6.500E-03 <	-2.530E-02	1.100E-01	3.660E+00	4.580E-03
		{ 2.240E-01}	{ 2.800E-02}	{ 1.880E-02}	{ 2.470E-02}	{ 7.170E-02}	{ 8.600E-01}	{ 3.680E-03}
	5	< 7.190E-03 <	-1.730E-02 <	-9.720E-03	3.870E-02 <	4.590E-03	3.100E+00 <	2.790E-03
		{ 2.420E-01}	{ 3.170E-02}	{ 2.240E-02}	{ 2.400E-02}	{ 6.890E-02}	{ 7.800E-01}	{ 3.320E-03}
MEAN		-1.692E-02	1.067E-02	4.598E-03	1.675E-02	3.356E-02	3.322E+00	3.852E-03
MINIMUM		< -1.300E-01 <	-1.730E-02 <	-9.720E-03 <	-2.530E-02 <	-2.210E-02	3.030E+00 <	2.790E-03
MAXIMUM		< 8.700E-02	3.480E-02 <	2.930E-02	4.400E-02	1.100E-01	3.700E+00	5.110E-03
2STD. ERR		7.018E-02	1.725E-02	1.385E-02	2.474E-02	4.630E-02	2.941E-01	8.565E-04

2742 100-N - 100-D (GOOSE-WESTERN CANADIAN , BONES)

OFF DATE	COM	SR-90 PCI/G
08/05/1997	1	1.520E-01
		{ 5.200E-02}
	2	1.230E-01
		{ 3.890E-02}
	3	5.030E-02
		{ 3.050E-02}
	4	7.720E-02
		{ 3.130E-02}
	5	5.270E-02
		{ 3.360E-02}
MEAN		9.104E-02
MINIMUM		5.030E-02
MAXIMUM		1.520E-01
2STD. ERR		4.015E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
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2743 HANFORD TOWNSITE (GOOSE-WESTERN CANADIAN , MUSCLE)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
08/05/1997	1	< -1.480E-01	< 9.090E-04	< 1.580E-02	< 1.570E-03	< -4.350E-02	2.260E+00	9.830E-03
		{ 2.100E-01}	{ 1.760E-02}	{ 1.890E-02}	{ 2.380E-02}	{ 6.610E-02}	{ 7.930E-01}	{ 6.030E-03}
	2	< -5.500E-02	< 1.540E-03	< -1.630E-03	< -2.170E-02	< -4.160E-03	3.100E+00	4.690E-03
		{ 2.200E-01}	{ 2.310E-02}	{ 2.070E-02}	{ 2.420E-02}	{ 7.250E-02}	{ 8.170E-01}	{ 4.310E-03}
	3	2.200E-01	< .000E+00	< -1.630E-02	< 4.740E-03	< -8.040E-03	3.130E+00	< 2.010E-03
		{ 2.040E-01}	{ 2.570E-02}	{ 2.360E-02}	{ 2.290E-02}	{ 7.390E-02}	{ 8.230E-01}	{ 2.360E-03}
	4	< 1.640E-01	< -2.580E-02	3.100E-02	< 2.230E-02	< -3.070E-02	3.050E+00	< 1.190E-03
		{ 2.040E-01}	{ 2.950E-02}	{ 1.870E-02}	{ 2.320E-02}	{ 7.370E-02}	{ 7.690E-01}	{ 2.910E-03}
	5	< 1.200E-02	< -6.770E-03	< -7.030E-03	< 2.880E-03	< -4.110E-02	3.140E+00	< 7.570E-04
		{ 1.780E-01}	{ 1.710E-02}	{ 2.070E-02}	{ 2.000E-02}	{ 7.110E-02}	{ 7.870E-01}	{ 2.640E-03}
MEAN		3.860E-02	-6.024E-03	4.368E-03	1.958E-03	-2.550E-02	2.936E+00	3.695E-03
MINIMUM		< -1.480E-01	< -2.580E-02	< -1.630E-02	< -2.170E-02	< -4.350E-02	2.260E+00	< 7.570E-04
MAXIMUM		2.200E-01	< 1.540E-03	3.100E-02	< 2.230E-02	< -4.160E-03	3.140E+00	9.830E-03
2STD. ERR		1.363E-01	1.033E-02	1.693E-02	1.402E-02	1.646E-02	3.394E-01	3.358E-03

2744 HANFORD TOWNSITE (GOOSE-WESTERN CANADIAN , BONES)

OFF DATE	COM	SR-90 PCI/G
08/05/1997	1	6.070E-02
		{ 3.650E-02}
	2	4.780E-02
		{ 2.560E-02}
	3	1.530E-01
		{ 4.800E-02}
	4	< 1.680E-02
		{ 2.080E-02}
	5	5.030E-02
		{ 3.010E-02}
MEAN		6.572E-02
MINIMUM		< 1.680E-02
MAXIMUM		1.530E-01
2STD. ERR		4.603E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
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2494 200 WEST (COTTONTAIL RABBIT , MUSCLE)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G
12/18/1997	1	7.050E-01	3.390E-02 <	-9.320E-03	4.710E+00 <	-7.340E-03	2.940E+00
		{ 5.820E-01}	{ 2.870E-02}	{ 3.480E-02}	{ 5.080E-01}	{ 9.170E-02}	{ 7.930E-01}
	2	< -3.270E+00 <	1.570E-02 <	4.810E-02	1.910E+02 <	9.410E-03	3.410E+00
		{ 2.920E+00}	{ 4.380E-02}	{ 1.070E-01}	{ 1.910E+01}	{ 1.230E-01}	{ 1.090E+00}
MEAN		-1.283E+00	2.480E-02	1.939E-02	9.786E+01	1.035E-03	3.175E+00
MINIMUM		< -3.270E+00 <	1.570E-02 <	-9.320E-03	4.710E+00 <	-7.340E-03	2.940E+00
MAXIMUM		7.050E-01	3.390E-02 <	4.810E-02	1.910E+02 <	9.410E-03	3.410E+00
2STD. ERR		3.975E+00	1.820E-02	5.742E-02	1.863E+02	1.675E-02	4.700E-01

2496 200 WEST (COTTONTAIL RABBIT , BONES)

OFF DATE	COM	SR-90 PCI/G
12/18/1997	1	6.210E+01
		{ 1.130E+01}
	2	5.000E+03
		{ 9.030E+02}
MEAN		2.531E+03
MINIMUM		6.210E+01
MAXIMUM		5.000E+03
2STD. ERR		4.938E+03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
1 COLLECTED FROM 200E TANK FARMS AND NOT REPRESENTATIVE OF FAR FIELD SAMPLES.
2 COLLECTED FROM 200E TANK FARMS AND NOT REPRESENTATIVE OF FAR FIELD SAMPLES.

Table B-1. Metals in Biota Collected from the Hanford Site, 1997

Location	Sample From	Sample Item	Sample Date	Percent Moisture	Sb 121 ICP-MS	As 75 ICP-MS	Be 9 ICP-MS	Cd 114 ICP-MS	Cr 53 ICP-MS	Cu 65 ICP-MS	Hg CVAA	Ni 60 ICP-MS	Pb 208 ICP-MS	Se 77 ICP-MS	Ag 109 ICP-MS	Tl 205 ICP-MS	Zn 66 ICP-MS
					µg/g dry wt - not blank corrected												
100 AREAS	BASS	LIVER	08/15/97	73.9	0.0153	0.554	0.150 U	1.72	0.208	11.6	0.280	0.020 U	0.036 U	6.52	0.045 U	0.267	77.0
100 AREAS	BASS	LIVER	08/15/97	77.5	0.0975	0.340	0.150 U	1.41	0.200 U	8.85	0.219	0.0298	0.036 U	6.64	0.045 U	0.228	74.8
100 AREAS	BASS	LIVER	08/15/97	78.8	0.0587	0.400	0.150 U	1.61	0.215	7.06	0.242	0.0360	0.036 U	7.25	0.045 U	0.239	74.3
100 AREAS	BASS	LIVER	08/15/97	81.8	0.0398	0.448	0.150 U	1.11	0.200 U	10.0	0.168	0.0681	0.036 U	6.23	0.045 U	0.253	89.6
100 AREAS	BASS	LIVER	08/15/97	82.9	0.144	0.500	0.150 U	4.68	0.220	8.32	1.07	0.106	2.04	9.91	0.045 U	0.381	68.3
100 AREAS	BASS	KIDNEY	08/15/97	81.0	0.0202	0.321	0.150 U	0.230	0.205	2.56	0.193	0.115	0.0747	6.40	0.045 U	0.121	60.5
100 AREAS	BASS	KIDNEY	08/15/97	83.2	0.0401	0.409	0.150 U	1.18	0.200 U	5.31	0.0847	0.152	0.0828	8.99	0.045 U	0.252	70.6
100 AREAS	BASS	KIDNEY	08/15/97	83.2	0.015 U	0.416	0.150 U	0.770	0.200 U	5.17	0.156	0.536	0.184	4.71	0.045 U	0.218	193
100 AREAS	BASS	KIDNEY	08/15/97	86.7	0.0300	0.473	0.150 U	0.351	0.444	4.37	0.111	0.0735	0.036 U	3.97	0.045 U	0.142	57.7
100 AREAS	BASS	KIDNEY	08/15/97	85.2	0.0298	0.378	0.150 U	0.418	0.200 U	5.30	0.570	0.185	1.41	7.24	0.045 U	0.209	84.1
300 AREA	BASS	LIVER	08/15/97	73.1	0.0301	0.369	0.150 U	0.652	0.200 U	6.08	0.236	0.0288	0.036 U	6.52	0.045 U	0.497	59.9
300 AREA	BASS	LIVER	08/15/97	79.2	0.0254	0.384	0.150 U	1.62	0.200 U	5.89	0.246	0.0319	0.036 U	6.98	0.045 U	0.310	63.2
300 AREA	BASS	LIVER	08/15/97	76.0	0.0210	0.369	0.150 U	1.40	0.200 U	7.17	0.269	0.020 U	0.036 U	6.93	0.045 U	0.229	63.5
300 AREA	BASS	LIVER	08/15/97	72.0	0.0206	0.402	0.150 U	1.37	0.200 U	5.68	0.368	0.0319	0.036 U	6.51	0.045 U	0.302	60.5
300 AREA	BASS	LIVER	08/15/97	74.7	0.0153	0.288	0.150 U	2.39	0.200 U	5.93	0.662	0.0365	0.036 U	7.08	0.045 U	0.305	60.7
300 AREA	BASS	KIDNEY	08/15/97	88.5	0.015 U	0.444	0.150 U	0.420	0.276	4.90	0.129	0.122	0.036 U	4.90	0.045 U	0.174	61.1
300 AREA	BASS	KIDNEY	08/15/97	75.3	0.015 U	0.603	0.150 U	0.777	0.416	5.41	0.133	0.143	0.195	5.71	0.045 U	0.164	71.8
300 AREA	BASS	KIDNEY	08/15/97	81.3	0.015 U	0.471	0.150 U	0.914	0.341	7.93	0.244	0.129	0.0436	7.74	0.045 U	0.197	72.6
300 AREA	BASS	KIDNEY	08/15/97	82.1	0.015 U	0.426	0.150 U	1.48	0.549	8.30	0.481	0.312	0.0800	7.32	0.045 U	0.205	71.4
HANFORD TOWNSITE	BASS	LIVER	08/15/97	77.7	0.015 U	0.452	0.150 U	4.00	0.215	17.5	0.293	0.0529	0.036 U	7.14	0.045 U	0.170	63.7
HANFORD TOWNSITE	BASS	LIVER	08/15/97	83.1	0.015 U	0.616	0.150 U	2.94	0.200 U	15.5	0.355	0.0453	0.036 U	9.95	0.045 U	0.436	93.6
HANFORD TOWNSITE	BASS	LIVER	08/15/97	75.3	0.015 U	0.635	0.150 U	1.23	0.207	8.71	0.400	0.0230	0.036 U	7.19	0.045 U	0.254	70.4
HANFORD TOWNSITE	BASS	LIVER	08/15/97	79.8	0.0259	0.661	0.150 U	10.9	0.237	34.7	0.582	0.107	0.0405	10.8	0.109	0.548	103
HANFORD TOWNSITE	BASS	LIVER	08/15/97	69.6	0.0910	0.456	0.150 U	2.89	0.200 U	8.81	0.141	0.020 U	0.036 U	11.6	0.045 U	0.465	73.3
HANFORD TOWNSITE	BASS	KIDNEY	08/15/97	82.0	0.015 U	0.529	0.150 U	1.24	0.215	6.06	0.243	0.223	0.036 U	6.67	0.045 U	0.105	54.6
HANFORD TOWNSITE	BASS	KIDNEY	08/15/97	84.6	0.0227	0.590	0.150 U	0.940	0.200 U	6.71	0.177	0.166	0.131	6.82	0.045 U	0.200	68.7
HANFORD TOWNSITE	BASS	KIDNEY	08/15/97	87.7	0.0231	0.585	0.150 U	0.478	0.200 U	4.75	0.206	0.0914	0.173	5.08	0.045 U	0.147	57.4
HANFORD TOWNSITE	BASS	KIDNEY	08/15/97	98.3	0.0302	0.554	0.150 U	2.26	0.279	6.71	0.291	0.244	0.162	5.97	0.045 U	0.256	62.5
HANFORD TOWNSITE	BASS	KIDNEY	08/15/97	76.3	0.015 U	0.238	0.150 U	0.197	0.200 U	2.90	0.105	0.0598	0.0621	4.09	0.045 U	0.100	47.3
100 AREAS	CARP	LIVER	08/15/97	79.7	0.0551	0.367	0.150 U	24.3	0.334	104	0.152	0.237	1.05	5.00	0.978	0.146	1200
100 AREAS	CARP	LIVER	08/15/97	73.9	0.0374	0.318	0.150 U	41.2	0.200 U	120	0.199	0.0469	0.787	4.51	0.607	0.102	1020
100 AREAS	CARP	LIVER	08/15/97	74.6	0.0971	0.448	0.150 U	93.5	0.476	128	0.350	0.115	1.25	6.29	1.46	0.0900	1330
100 AREAS	CARP	LIVER	08/15/97	80.5	0.0618	1.46	0.150 U	74.7	0.277	158	0.393	0.170	0.555	5.44	1.94	0.206	1240
100 AREAS	CARP	LIVER	08/15/97	79.5	0.0375	0.333	0.150 U	3.12	0.216	55.9	0.0880	0.120	0.510	3.34	0.426	0.0566	204
100 AREAS	CARP	KIDNEY	08/15/97	81.0	0.0218	0.299	0.150 U	79.5	0.210	14.3	0.309	0.383	2.16	6.46	0.148	0.499	1490
100 AREAS	CARP	KIDNEY	08/15/97	83.4	0.0586	1.35	0.150 U	215	0.236	11.0	0.661	1.37	4.70	9.54	0.0508	0.581	1510
100 AREAS	CARP	KIDNEY	08/15/97	81.1	0.0575	0.944	0.150 U	317	0.438	10.5	0.870	1.06	3.20	9.15	0.118	0.439	692
100 AREAS	CARP	KIDNEY	08/15/97	79.9	0.0433	1.88	0.150 U	322	0.323	11.2	0.845	1.50	2.11	8.82	0.129	0.952	517
100 AREAS	CARP	KIDNEY	08/15/97	87.5	0.0209	0.425	0.150 U	15.3	0.329	8.43	0.200	0.453	1.17	6.29	0.045 U	0.213	384
300 AREA	CARP	LIVER	08/15/97	75.2	0.0744	0.460	0.150 U	99.2	0.702	157	0.363	0.353	1.36	6.49	1.94	0.105	1180
300 AREA	CARP	LIVER	08/15/97	75.7	0.0472	0.649	0.150 U	44.8	0.265	128	0.475	0.103	0.489	6.33	1.08	0.161	508
300 AREA	CARP	LIVER	08/15/97	74.4	0.0576	0.727	0.150 U	110	0.226	111	0.257	0.0781	0.279	5.17	1.05	0.140	930
300 AREA	CARP	LIVER	08/15/97	78.4	0.0399	0.391	0.150 U	24.5	0.262	107	0.296	0.0464	0.245	4.42	1.03	0.137	395
300 AREA	CARP	LIVER	08/15/97	75.2	0.0524	0.386	0.150 U	17.7	0.268	75.4	0.130	0.0767	0.983	4.65	0.674	0.108	1900
300 AREA	CARP	KIDNEY	08/15/97	83.0	0.0193	1.44	0.150 U	297	0.375	13.6	0.827	1.39	2.30	11.4	0.144	0.440	1210
300 AREA	CARP	KIDNEY	08/15/97	83.3	0.015 U	1.31	0.150 U	234	0.423	19.4	0.629	1.31	1.01	8.90	0.184	0.752	1280
300 AREA	CARP	KIDNEY	08/15/97	73.6	0.015 U	1.14	0.150 U	42.1	0.504	5.54	0.417	1.25	1.42	5.25	0.045 U	0.362	355
300 AREA	CARP	KIDNEY	08/15/97	80.1	0.015 U	0.708	0.150 U	92.6	0.359	9.50	0.277	0.742	1.35	6.41	0.045 U	0.375	1690
HANFORD TOWNSITE	CARP	LIVER	08/15/97	78.2	0.0367	0.466	0.150 U	17.1	0.200 U	70.2	0.151	0.0884	0.441	4.12	0.404	0.0659	920
HANFORD TOWNSITE	CARP	LIVER	08/15/97	74.7	0.0264	0.690	0.150 U	20.6	0.200 U	97.8	0.221	0.0691	0.226	3.36	0.868	0.177	603
HANFORD TOWNSITE	CARP	LIVER	08/15/97	78.8	0.0930	1.00	0.150 U	23.6	0.454	94.4	0.258	0.472	0.294	6.41	0.916	0.116	704
HANFORD TOWNSITE	CARP	LIVER	08/15/97	75.9	0.0430	1.20	0.150 U	24.7	0.836	86.4	0.139	0.607	0.573	4.54	0.691	0.242	596
HANFORD TOWNSITE	CARP	LIVER	08/15/97	78.5	0.0422	1.29	0.150 U	21.5	0.200 U	84.1	0.141	0.0594	0.323	4.88	0.629	0.175	1120
HANFORD TOWNSITE	CARP	KIDNEY	08/15/97	86.6	0.0294	0.479	0.150 U	74.7	0.258	11.1	0.330	0.974	1.84	6.82	0.0628	0.352	961

Table B-1. Metals in Biota Collected from the Hanford Site, 1997 (contd)

Location	Sample From	Sample Item	Sample Date	Percent Moisture	Sb 121 ICP-MS	As 75 ICP-MS	Be 9 ICP-MS	Cd 114 ICP-MS	Cr 53 ICP-MS	Cu 65 ICP-MS	Hg CVAA	Ni 60 ICP-MS	Pb 208 ICP-MS	Se 77 ICP-MS	Ag 109 ICP-MS	Tl 205 ICP-MS	Zn 66 ICP-MS
					µg/g dry wt - not blank corrected												
HANFORD TOWNSITE	CARP	KIDNEY	08/15/97	74.8	0.0177	1.27	0.150 U	53.4	0.257	5.20	0.282	0.720	0.840	4.59	0.0451	0.302	514
HANFORD TOWNSITE	CARP	KIDNEY	08/15/97	84.1	0.0570	1.42	0.150 U	114	0.309	10.5	0.796	1.63	0.813	9.51	0.0911	0.666	857
HANFORD TOWNSITE	CARP	KIDNEY	08/15/97	82.1	0.145	1.48	0.150 U	73.8	0.333	9.39	0.349	0.953	1.28	7.17	0.0529	0.667	901
HANFORD TOWNSITE	CARP	KIDNEY	08/15/97	63.4	0.0576	2.17	0.150 U	50.7	0.382	7.99	0.242	0.790	0.810	6.23	0.045 U	0.317	1130
100 AREAS	SUCKER	LIVER	08/15/97	77.8	0.0154	1.18	0.150 U	0.0553	0.226	7.42	0.280	0.269	0.0380	1.18	0.045 U	0.0979	23.0
100 AREAS	SUCKER	LIVER	08/15/97	81.9	0.015 U	0.387	0.150 U	0.0270	0.200 U	5.50	0.256	0.0890	0.036 U	1.39	0.045 U	0.127	17.2
100 AREAS	SUCKER	LIVER	08/15/97	79.0	0.0199	1.54	0.150 U	0.108	0.312	3.30	0.106	0.670	0.0807	1.09	0.045 U	0.0655	69.6
100 AREAS	SUCKER	LIVER	08/15/97	82.5	0.0215	0.361	0.150 U	0.0699	0.200 U	6.09	0.283	0.338	0.0470	1.32	0.045 U	0.106	19.0
100 AREAS	SUCKER	LIVER	08/15/97	82.9	0.0159	0.614	0.150 U	0.0753	0.200 U	5.69	0.213	0.482	0.036 U	1.41	0.045 U	0.0925	22.1
100 AREAS	SUCKER	KIDNEY	08/15/97	75.9	0.121	1.64	0.150 U	4.00	0.440	3.98	0.105	0.711	0.285	2.71	0.045 U	0.0588	88.0
100 AREAS	SUCKER	KIDNEY	08/15/97	80.3	0.0684	0.553	0.150 U	9.14	0.277	4.06	0.119	0.943	0.301	3.70	0.045 U	0.0922	105
100 AREAS	SUCKER	KIDNEY	08/15/97	81.0	0.0531	0.929	0.150 U	21.4	0.200 U	3.75	0.0745	2.11	0.280	2.83	0.045 U	0.0891	94.2
100 AREAS	SUCKER	KIDNEY	08/15/97	80.6	0.0449	0.647	0.150 U	15.9	0.215	4.33	0.162	1.28	0.244	3.13	0.045 U	0.0636	71.5
100 AREAS	SUCKER	KIDNEY	08/15/97	78.7	0.0362	0.956	0.150 U	10.8	0.270	3.88	0.0856	1.17	0.159	2.34	0.045 U	0.0558	68.5
300 AREA	SUCKER	LIVER	08/15/97	85.2	0.109	0.410	0.150 U	0.199	0.200 U	5.42	0.267	0.344	0.036 U	1.15	0.045 U	0.113	23.9
300 AREA	SUCKER	LIVER	08/15/97	80.1	0.0497	0.160	0.150 U	0.020	0.200 U	5.14	0.343	0.0283	0.036 U	1.00	0.045 U	0.0779	18.6
300 AREA	SUCKER	LIVER	08/15/97	83.0	0.0403	0.222	0.150 U	0.0621	0.200 U	5.17	0.224	0.100	0.036 U	1.00	0.045 U	0.0606	20.0
300 AREA	SUCKER	LIVER	08/15/97	85.0	0.0323	0.309	0.150 U	0.214	0.200 U	3.59	0.551	0.205	0.036 U	1.38	0.045 U	0.0980	19.9
300 AREA	SUCKER	LIVER	08/15/97	83.9	0.0214	0.607	0.150 U	0.0291	0.200 U	3.83	1.23	0.0477	0.036 U	1.34	0.045 U	0.0550	16.7
300 AREA	SUCKER	KIDNEY	08/15/97	83.3	0.015 U	0.585	0.150 U	62.4	0.479	7.34	0.282	5.62	0.226	5.59	0.045 U	0.110	164
300 AREA	SUCKER	KIDNEY	08/15/97	81.2	0.015 U	0.170	0.150 U	0.0599	0.489	4.76	0.0351	0.113	0.201	3.60	0.045 U	0.0164	40.7
300 AREA	SUCKER	KIDNEY	08/15/97	79.5	0.015 U	0.507	0.150 U	20.8	1.18	6.47	0.116	2.64	0.163	5.36	0.045 U	0.107	109
300 AREA	SUCKER	KIDNEY	08/15/97	82.1	0.015 U	0.769	0.150 U	46.0	0.439	6.22	0.300	4.58	0.756	5.64	0.045 U	0.102	188
300 AREA	SUCKER	KIDNEY	08/15/97	95.0	0.015 U	0.385	0.150 U	46.5	0.543	5.87	0.761	7.29	0.339	6.75	0.045 U	0.0660	157
HANFORD TOWNSITE	SUCKER	LIVER	08/15/97	81.4	0.0167	0.594	0.150 U	0.212	0.200 U	4.58	0.182	0.268	0.036 U	1.14	0.045 U	0.108	25.5
HANFORD TOWNSITE	SUCKER	LIVER	08/15/97	78.4	0.015 U	0.483	0.150 U	1.27	0.200 U	12.1	0.185	0.213	0.0715	1.56	0.045 U	0.0731	30.7
HANFORD TOWNSITE	SUCKER	LIVER	08/15/97	80.4	0.0151	0.619	0.150 U	0.177	0.200 U	4.85	0.235	0.424	0.036 U	1.64	0.045 U	0.0977	24.2
HANFORD TOWNSITE	SUCKER	LIVER	08/15/97	81.6	0.147	0.358	0.150 U	8.07	0.296	23.7	0.556	0.294	0.406	4.39	0.0959	0.0723	71.5
HANFORD TOWNSITE	SUCKER	LIVER	08/15/97	80.1	0.0615	0.554	0.150 U	4.37	0.227	25.7	0.710	0.0742	0.138	3.00	0.045 U	0.0403	54.3
HANFORD TOWNSITE	SUCKER	KIDNEY	08/15/97	62.2	0.015 U	0.911	0.150 U	5.13	0.509	2.54	0.0886	0.773	0.0600	1.91	0.0549	0.0466	88.5
HANFORD TOWNSITE	SUCKER	KIDNEY	08/15/97	74.7	0.015 U	1.19	0.150 U	21.4	0.322	3.32	0.0991	1.45	0.158	3.24	0.045 U	0.0771	378
HANFORD TOWNSITE	SUCKER	KIDNEY	08/15/97	85.0	0.015 U	0.813	0.150 U	23.9	0.610	7.17	0.224	2.32	0.330	4.87	0.045 U	0.105	159
HANFORD TOWNSITE	SUCKER	KIDNEY	08/15/97	84.9	0.0210	0.605	0.150 U	69.2	0.351	7.84	0.511	6.52	0.479	7.17	0.045 U	0.0654	175
HANFORD TOWNSITE	SUCKER	KIDNEY	08/15/97	80.0	0.015 U	0.560	0.150 U	60.9	0.363	6.34	0.525	5.19	0.221	6.34	0.045 U	0.0421	159
100N SPRING SHORELIN	SCULPIN	LIVER	09/11/97	64.2	0.015 U	0.458	0.150 U	12.2	0.283	20.8	0.378	0.191	0.210	7.08	0.045 U	0.247	138
100N SPRING SHORELIN	SCULPIN	LIVER	09/11/97	71.5	0.015 U	0.490	0.150 U	6.61	0.296	25.9	0.311	0.227	0.207	5.99	0.045 U	0.221	170
100N SPRING SHORELIN	SCULPIN	LIVER	09/11/97	85.4	0.015 U	0.542	0.150 U	5.52	0.303	14.2	0.175	0.357	0.172	5.36	0.045 U	0.233	129
S END VERNITA BRIDGE	SCULPIN	LIVER	09/11/97	78.5	0.0321	0.504	0.150 U	7.31	0.282	16.3	0.189	0.105	0.175	5.35	0.045 U	0.305	177
S END VERNITA BRIDGE	SCULPIN	LIVER	09/11/97	90.3	0.015 U	0.607	0.150 U	5.37	0.456	11.3	0.142	0.183	0.233	6.32	0.045 U	0.394	127
100 N SPRING-1	CADDISFLY	WHOLE	09/08/97	54.1	0.194	0.929	0.150 U	0.752	0.728	29.2	0.0252	0.491	1.20	1.14	0.0531	0.0389	136
100 N SPRING-3	CADDISFLY	WHOLE	09/09/97	80.5	0.015 U	3.70	0.490	2.54	12.7	27.0	0.0280	10.9	11.6	2.06	0.106	0.337	154
100 N SPRING-3	CADDISFLY	WHOLE	09/24/97	72.4	0.015 U	1.02	0.150 U	0.624	0.407	33.1	0.0334	0.231	0.532	1.10	0.045 U	0.0318	147
BACKGROUND	CADDISFLY	WHOLE	09/11/97	17.2	0.0539	1.23	0.150 U	0.905	0.518	34.9	0.0379	0.421	1.48	1.76	0.045 U	0.0349	177
100 N SPRING-1	CLAMS	MUSCLE	09/08/97	79.9	0.015 U	15.7	0.150 U	5.56	19.8	92.3	0.0497	0.741	0.468	2.36	0.0820	0.235	91.7
100 N SPRING-3	CLAMS	SHELLS	09/09/97	7.10	0.0186	0.110	0.150 U	0.0664	0.250	3.02	0.00140	11.6	0.206	1.00	0.045 U	0.0482	1.96
100 N SPRING-3	CLAMS	MUSCLE	09/09/97	75.5	0.015 U	4.27	0.150 U	2.49	3.21	21.5	0.0299	1.50	3.00	3.92	0.0656	0.358	107
BACKGROUND	CLAMS	SHELLS	09/11/97	15.5	0.015 U	0.505	0.150 U	0.325	1.91	9.85	0.00240	12.3	2.69	1.00	0.045 U	0.123	26.6
100 D AREA	APRICOTS	LEAVES	07/25/97	68.9	0.015 U	0.250	0.150 U	0.151	0.285	8.73	0.0203	0.842	0.114	1.00	0.045 U	0.005	12.9
100 D AREA	APRICOTS	LEAVES	07/25/97	72.1	0.015 U	0.170	0.150 U	0.206	0.314	8.75	0.0210	1.08	0.194	1.00	0.045 U	0.0188	16.7
100 F AREA	APRICOTS	LEAVES	08/19/97	58.3	0.015 U	0.394	0.150 U	0.0971	0.200 U	4.25	0.0174	0.790	0.145	1.00	0.045 U	0.005	9.81
100 N SPRING-1	MILFOIL	STM-LV	09/09/97	89.7	0.0221	4.87	0.237	4.08	6.13	13.5	0.0175	6.47	7.51	1.00	0.045 U	0.287	178
100 N SPRING-5	MILFOIL	STM-LV	09/09/97	89.0	0.0473	6.10	0.491	4.18	16.1	22.6	0.0379	15.2	17.4	1.05	0.0941	0.405	242
BACKGROUND	MILFOIL	STM-LV	09/11/97	84.8	0.0396	8.10	1.07	3.15	29.9	33.6	0.0733	26.9	47.8	1.00	0.182	0.594	270
100 N SPRING-1	PERIPHYTON	WHOLE	09/09/97	76.3	0.0876	8.25	0.809	3.52	35.0	45.0	0.0895	28.7	49.2	1.45	0.189	0.633	260

Table B-1. Metals in Biota Collected from the Hanford Site, 1997 (contd)

Location	Sample From	Sample Item	Sample Date	Percent Moisture	Sb 121 ICP-MS	As 75 ICP-MS	Be 9 ICP-MS	Cd 114 ICP-MS	Cr 53 ICP-MS	Cu 65 ICP-MS	Hg CVAA	Ni 60 ICP-MS	Pb 208 ICP-MS	Se 77 ICP-MS	Ag 109 ICP-MS	Tl 205 ICP-MS	Zn 66 ICP-MS
					µg/g dry wt - not blank corrected												
100 N SPRING-3	PERIPHYTON	WHOLE	09/09/97	71.7	0.0666	7.15	0.628	2.74	29.6	37.8	0.0567	26.4	29.6	1.44	0.141	0.439	216
100 N SPRING-5	PERIPHYTON	WHOLE	09/09/97	58.7	0.0352	5.95	0.546	2.31	34.6	36.8	0.0744	25.1	29.6	1.19	0.121	0.401	210
BACKGROUND	PERIPHYTON	WHOLE	09/09/97	60.4	0.0464	5.80	0.739	1.81	31.6	33.5	0.0411	26.1	34.3	1.00	0.139	0.498	259
HANFORD TOWNSITE	QUINCE	FRUIT	07/25/97	38.0	0.015 U	0.154	0.150 U	0.0528	0.200 U	4.78	0.0221	0.946	0.111	1.00	0.045 U	0.005	5.86
HANFORD TOWNSITE	QUINCE	LEAVES	07/25/97	67.5	0.015 U	0.0327	0.150 U	0.0794	0.200 U	3.38	0.00180	0.125	0.036 U	1.00	0.045 U	0.00635	3.08
100 N SPRING-1	REED CANARY GRASS	STM-LV	09/09/97	74.0	0.0403	0.563	0.150 U	0.125	1.10	9.34	0.0134	2.10	1.88	1.00	0.045 U	0.0402	111
100 N SPRING-3	REED CANARY GRASS	STM-LV	09/09/97	69.3	0.015 U	0.292	0.150 U	0.0640	0.459	6.30	0.0103	1.04	0.522	1.00	0.045 U	0.0122	49.0
100 N SPRING-5	REED CANARY GRASS	STM-LV	09/09/97	69.1	0.0474	3.68	0.399	1.06	15.2	18.1	0.0326	11.7	14.1	1.00	0.0694	0.475	153
BACKGROUND	REED CANARY GRASS	STM-LV	09/11/97	66.3	0.015 U	1.60	0.164	0.405	4.45	12.7	0.0200	4.46	8.90	1.00	0.0564	0.0931	78.1

U - Analyzed but not detected or represented by the analytical detection limit.

Soil

3195 BYERS LANDING (0 , 1 , in)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G	U-234 PCI/G	U-235 PCI/G	U-238 PCI/G
08/21/1997		< -1.070E-02	1.470E-01	3.280E-02	1.810E-01	6.390E-03	1.770E-01
		(1.210E-02)	(2.330E-02)	(8.610E-03)	(2.160E-02)	(2.310E-03)	(2.110E-02)

3198 GULLY E. OF COL.RIV. RD. (0 , 1 , in)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G	U-234 PCI/G	U-235 PCI/G	U-238 PCI/G
08/21/1997		< 1.060E-02	3.230E-01	9.230E-02	4.240E-01	1.870E-02	4.410E-01
		(1.340E-02)	(4.560E-02)	(1.980E-02)	(4.510E-02)	(3.980E-03)	(4.670E-02)

3191 N. 300 AREA CLEANUP SITE (0 , 1 , in)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G	U-234 PCI/G	U-235 PCI/G	U-238 PCI/G
08/19/1997		< -4.940E-03	3.240E-01	8.820E-02	3.410E-01	1.930E-02	3.550E-01
		(8.800E-03)	(3.740E-02)	(2.160E-02)	(3.690E-02)	(4.090E-03)	(3.830E-02)

3193 NORTH 300 AREA (0 , 1 , in)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G	U-234 PCI/G	U-235 PCI/G	U-238 PCI/G
08/20/1997		< -9.760E-03	5.630E-01	1.550E-01	1.770E-01	5.440E-03	1.700E-01
		(9.470E-03)	(6.170E-02)	(3.600E-02)	(2.070E-02)	(2.060E-03)	(2.000E-02)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.

3197 POTHOLES CANAL RD/COL.RIV. RD. INTERSECT (0 , 1 , in)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G	U-234 PCI/G	U-235 PCI/G	U-238 PCI/G
08/21/1997	<	6.270E-03	1.430E-01	2.430E-02	2.030E-01	7.750E-03	2.090E-01
		(1.110E-02)	(2.990E-02)	(6.690E-03)	(2.370E-02)	(2.520E-03)	(2.410E-02)

3194 RIVERSHORE ROAD (0 , 1 , in)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G	U-234 PCI/G	U-235 PCI/G	U-238 PCI/G
08/21/1997	<	-4.840E-03	3.870E-02	1.260E-02	2.000E-01	9.090E-03	2.210E-01
		(1.190E-02)	(1.440E-02)	(5.780E-03)	(2.330E-02)	(2.770E-03)	(2.530E-02)

3196 SAGEMOOR SPUR/COL.RIV. RD INTERSECTION (0 , 1 , in)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G	U-234 PCI/G	U-235 PCI/G	U-238 PCI/G
08/21/1997	<	9.810E-03	8.690E-01	1.500E-01	2.100E-01	1.160E-02	2.120E-01
		(1.130E-02)	(9.440E-02)	(3.240E-02)	(2.330E-02)	(2.900E-03)	(2.340E-02)

3192 W. 300 AREA CLEANUP (0 , 1 , in)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G	U-234 PCI/G	U-235 PCI/G	U-238 PCI/G
08/19/1997	<	-1.240E-03	6.140E-01	1.710E-01	2.590E-01	1.190E-02	2.580E-01
		(9.690E-03)	(6.700E-02)	(3.280E-02)	(2.860E-02)	(3.040E-03)	(2.850E-02)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.

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SPECIAL - SOIL

2632 SOUTH 300 AREA (0 , 1 , in)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G	U-234 PCI/G	U-235 PCI/G	U-238 PCI/G
03/04/1997	<	-3.900E-03	3.530E+00	2.150E-01	2.670E-01	9.340E-03	2.560E-01
		{ 7.410E-02}	{ 4.520E-01}	{ 4.230E-02}	{ 3.130E-02}	{ 3.020E-03}	{ 3.010E-02}
06/03/1997	<	1.610E-02	7.150E+00	NR	2.840E-01	1.300E-02	2.710E-01
		{ 4.790E-02}	{ 7.590E-01}		{ 3.180E-02}	{ 3.330E-03}	{ 3.060E-02}
08/29/1997	<	4.690E-02	2.280E+01	9.070E-01	4.950E-01	2.010E-02	5.100E-01
		{ 5.560E-02}	{ 2.330E+00}	{ 2.010E-01}	{ 5.460E-02}	{ 4.610E-03}	{ 5.600E-02}
MEAN		1.970E-02	1.116E+01	5.610E-01	3.487E-01	1.415E-02	3.457E-01
MINIMUM	<	-3.900E-03	3.530E+00	2.150E-01	2.670E-01	9.340E-03	2.560E-01
MAXIMUM	<	4.690E-02	2.280E+01	9.070E-01	4.950E-01	2.010E-02	5.100E-01
2STD. ERR		2.955E-02	1.183E+01	6.920E-01	1.467E-01	6.317E-03	1.646E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

Vegetation

3247 100 N SPRING-1 (MILFOIL , STM-LV)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G
09/09/1997		1.200E-01	1.220E-01	1.610E-01
		(5.570E-02)	(5.810E-02)	(3.390E-02)

3248 100 N SPRING-3 (MILFOIL , STM-LV)

OFF DATE	COM	CO-60	CS-137	SR-90
09/09/1997	1	NR	NR	NR

3249 100 N SPRING-5 (MILFOIL , STM-LV)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G
09/09/1997		< 3.410E-02	9.510E-02	5.770E-02
		(4.560E-02)	(8.090E-02)	(1.510E-02)

3250 BACKGROUND (MILFOIL , STM-LV)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G
09/11/1997	2	< 6.100E-04	1.590E-01	5.330E-02
		(4.230E-02)	(7.350E-02)	(1.460E-02)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE. NOT AVAILABLE.
2 COLLECTED ABOVE VERNITA BRIDGE.

3186 BYERS LANDING (PERENNIAL VEGETATION , STM-LV)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G	U-234 PCI/G	U-235 PCI/G	U-238 PCI/G
08/21/1997		< -2.770E-02	< 3.680E-03	3.700E-02	2.040E-02	< 1.820E-03	1.610E-02
		{ 2.160E-02}	{ 1.770E-02}	{ 1.020E-02}	{ 5.760E-03}	{ 1.940E-03}	{ 5.040E-03}

3190 GULLY E. OF COL.RIV. RD. (PERENNIAL VEGETATION , STM-LV)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G	U-234 PCI/G	U-235 PCI/G	U-238 PCI/G
08/21/1997		< -2.020E-03	< -1.460E-03	2.280E-02	2.110E-02	< 1.150E-04	1.920E-02
		{ 1.350E-02}	{ 1.030E-02}	{ 6.140E-03}	{ 5.770E-03}	{ 6.200E-04}	{ 5.450E-03}

3181 N. 300 AREA CLEANUP SITE (PERENNIAL VEGETATION , STM-LV)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G	U-234 PCI/G	U-235 PCI/G	U-238 PCI/G
08/19/1997		< 7.050E-04	< -7.340E-03	1.420E-02	2.180E-02	< 1.630E-03	1.990E-02
		{ 1.300E-02}	{ 1.110E-02}	{ 4.190E-03}	{ 5.450E-03}	{ 1.750E-03}	{ 5.150E-03}

3184 NORTH 300 AREA (PERENNIAL VEGETATION , STM-LV)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G	U-234 PCI/G	U-235 PCI/G	U-238 PCI/G
08/20/1997		< 9.840E-03	2.060E-02	9.320E-03	4.720E-03	< -1.850E-04	3.790E-03
		{ 1.030E-02}	{ 9.550E-03}	{ 7.800E-03}	{ 2.970E-03}	{ 1.050E-03}	{ 2.800E-03}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

3188 POTHOLES CANAL RD/COL.RIV. RD. INTERSECT (PERENNIAL VEGETATION , STM-LV)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G	U-234 PCI/G	U-235 PCI/G	U-238 PCI/G
08/21/1997		< -2.620E-03	< -1.450E-03	5.800E-03	1.130E-02	< 2.750E-04	1.160E-02
		{ 1.750E-02}	{ 1.450E-02}	{ 2.790E-03}	{ 4.020E-03}	{ 8.610E-04}	{ 4.130E-03}

3185 RIVERSHORE ROAD (PERENNIAL VEGETATION , STM-LV)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G	U-234 PCI/G	U-235 PCI/G	U-238 PCI/G
08/21/1997		< 3.070E-03	< -4.940E-03	3.440E-02	7.920E-03	< 3.870E-04	7.640E-03
		{ 1.490E-02}	{ 1.410E-02}	{ 8.260E-03}	{ 3.750E-03}	{ 1.200E-03}	{ 3.530E-03}

3187 SAGEMOOR SPUR/COL.RIV. RD INTERSECTION (PERENNIAL VEGETATION , STM-LV)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G	U-234 PCI/G	U-235 PCI/G	U-238 PCI/G
08/21/1997		< 5.150E-03	< 5.300E-03	2.310E-02	8.730E-03	1.700E-03	8.770E-03
		{ 1.330E-02}	{ 1.210E-02}	{ 6.010E-03}	{ 3.810E-03}	{ 1.690E-03}	{ 3.810E-03}

3183 W. 300 AREA CLEANUP (PERENNIAL VEGETATION , STM-LV)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	SR-90 PCI/G	U-234 PCI/G	U-235 PCI/G	U-238 PCI/G
08/19/1997		1.460E-02	< 5.440E-03	5.310E-03	7.710E-03	< -1.850E-04	3.400E-03
		{ 1.360E-02}	{ 1.210E-02}	{ 4.650E-03}	{ 3.300E-03}	{ 8.610E-04}	{ 2.340E-03}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.

Sediment

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SEDIMENT

2669 100 F SLOUGH (0 , 0)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	EU-154 PCI/G	EU-155 PCI/G	PU-238 PCI/G	PU-239/240 PCI/G	SR-90 PCI/G	U_235_LEPS PCI/G
08/18/1997	1	2.360E-02	2.770E-01 <	-3.790E-02	6.060E-02	1.360E-04	2.030E-03	3.170E-03 <	6.400E-02
		{ 1.310E-02}	{ 3.610E-02}	{ 3.550E-02}	{ 3.300E-02}	{ 1.250E-04}	{ 4.730E-04}	{ 2.870E-03}	{ 6.850E-02}

2669 100 F SLOUGH (0 , 0)

OFF DATE	COM	U_238_LEPS PCI/G
08/18/1997	1	9.940E-01
		{ 3.330E-01}

2672 100 N SPRING 8-13 (0 , 0)

OFF DATE	COM	CO-60	CS-137	EU-154	EU-155	SR-90	U_235_LEPS	U_238_LEPS
11/03/1997	2	NR	NR	NR	NR	NR	NR	NR

2822 100-B SPRING (0 , 0)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	EU-154 PCI/G	EU-155 PCI/G	SR-90 PCI/G	U_235_LEPS PCI/G	U_238_LEPS PCI/G
10/23/1997		5.080E-02	7.900E-02 <	2.500E-03 <	4.320E-02 <	1.370E-03	1.990E-01	1.230E+00
		{ 2.350E-02}	{ 3.170E-02}	{ 6.980E-02}	{ 7.020E-02}	{ 3.230E-03}	{ 1.020E-01}	{ 4.020E-01}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 8 FT. DEPTH.
2 NO SAMPLE. UNABLE TO COLLECT.

2834 100-F SPRING (0 , 0)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	EU-154 PCI/G	EU-155 PCI/G	SR-90 PCI/G	U_235_LEPS PCI/G	U_238_LEPS PCI/G
10/23/1997		4.390E-02	1.150E-01 <	-4.940E-02 <	2.990E-02	8.690E-03 <	8.310E-02	9.720E-01
		{ 2.410E-02}	{ 4.040E-02}	{ 8.090E-02}	{ 6.690E-02}	{ 6.860E-03}	{ 1.120E-01}	{ 4.300E-01}

2833 100-K SPRING (0 , 0)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	EU-154 PCI/G	EU-155 PCI/G	SR-90 PCI/G	U_235_LEPS PCI/G	U_238_LEPS PCI/G
11/03/1997		< 1.540E-02	1.940E-01 <	-9.120E-03 <	3.890E-02	8.460E-03	1.350E-01	8.190E-01
		{ 2.070E-02}	{ 4.620E-02}	{ 6.070E-02}	{ 4.730E-02}	{ 4.760E-03}	{ 6.530E-02}	{ 2.450E-01}

2674 300 AREA SPRING 42-2 (0 , 0)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	EU-154 PCI/G	EU-155 PCI/G	SR-90 PCI/G	U_235_LEPS PCI/G	U_238_LEPS PCI/G
10/27/1997		< 1.280E-02	7.700E-02 <	1.890E-02 <	3.370E-02 <	5.470E-03	1.940E-01	1.980E+00
		{ 1.910E-02}	{ 4.240E-02}	{ 6.430E-02}	{ 6.010E-02}	{ 5.590E-03}	{ 1.140E-01}	{ 5.760E-01}

2670 HANFORD SLOUGH (0 , 0)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	EU-154 PCI/G	EU-155 PCI/G	PU-238 PCI/G	PU-239/240 PCI/G	SR-90 PCI/G	U_235_LEPS PCI/G
08/18/1997	1	1.790E-01	2.540E-01	5.800E-02	6.780E-02	3.010E-04	3.680E-03	1.050E-02 <	4.000E-02
		{ 2.850E-02}	{ 3.600E-02}	{ 3.440E-02}	{ 2.900E-02}	{ 2.180E-04}	{ 8.280E-04}	{ 5.150E-03}	{ 7.700E-02}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
1 19 FT. DEPTH.

2670 HANFORD SLOUGH (0 , 0)

OFF DATE	COM	U_238_LEPS PCI/G
08/18/1997	1	1.390E+00 { 4.290E-01}

2673 HANFORD SPRING 28-2 (0 , 0)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	EU-154 PCI/G	EU-155 PCI/G	SR-90 PCI/G	U_235_LEPS PCI/G	U_238_LEPS PCI/G
10/27/1997		4.920E-02 { 2.930E-02}	2.510E-01 < { 5.830E-02}	-6.810E-02 { 7.910E-02}	6.580E-02 { 6.330E-02}	5.660E-03 < { 3.920E-03}	1.700E-02 { 1.140E-01}	1.600E+00 { 5.570E-01}

2660 MCNARY-OREGON SHORE (0 , 0)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	EU-154 PCI/G	EU-155 PCI/G	PU-238 PCI/G	PU-239/240 PCI/G	SR-90 PCI/G	U_235_LEPS PCI/G
08/15/1997	2	2.010E-02 { 1.750E-02}	2.410E-01 < { 3.840E-02}	-3.220E-03 { 4.950E-02}	5.630E-02 { 4.360E-02}	4.570E-04 { 3.510E-04}	6.550E-03 { 1.490E-03}	6.870E-03 < { 3.440E-03}	1.500E-02 { 9.960E-02}

2660 MCNARY-OREGON SHORE (0 , 0)

OFF DATE	COM	U_238_LEPS PCI/G
08/15/1997	2	1.670E+00 { 3.710E-01}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
1 19 FT. DEPTH.
2 50 FT. DEPTH.

2661 MCNARY-1/3 OR. SHORE (0 , 0)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	EU-154 PCI/G	EU-155 PCI/G	PU-238 PCI/G	PU-239/240 PCI/G	SR-90 PCI/G	U_235_LEPS PCI/G
08/15/1997	1	2.810E-02	2.910E-01 <	-1.010E-02	7.810E-02 <	2.480E-04	7.000E-03	2.380E-02	2.060E-01
		{ 1.750E-02}	{ 4.100E-02}	{ 4.960E-02}	{ 4.030E-02}	{ 2.980E-04}	{ 1.470E-03}	{ 6.810E-03}	{ 1.030E-01}

2661 MCNARY-1/3 OR. SHORE (0 , 0)

OFF DATE	COM	U_238_LEPS PCI/G
08/15/1997	1	1.940E+00
		{ 4.870E-01}

2662 MCNARY-2/3 OR. SHORE (0 , 0)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	EU-154 PCI/G	EU-155 PCI/G	PU-238 PCI/G	PU-239/240 PCI/G	SR-90 PCI/G	U_235_LEPS PCI/G
08/15/1997	2	5.420E-02	3.430E-01 <	1.670E-02 <	3.890E-02	9.100E-04	7.730E-03	2.410E-02	1.120E-01
		{ 1.720E-02}	{ 4.500E-02}	{ 4.880E-02}	{ 4.050E-02}	{ 4.110E-04}	{ 1.430E-03}	{ 7.380E-03}	{ 8.140E-02}

2662 MCNARY-2/3 OR. SHORE (0 , 0)

OFF DATE	COM	U_238_LEPS PCI/G
08/15/1997	2	1.640E+00
		{ 4.400E-01}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
1 75 FT. DEPTH.
2 70 FT. DEPTH.

2663 MCNARY-WASH. SHORE (0 , 0)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	EU-154 PCI/G	EU-155 PCI/G	PU-238 PCI/G	PU-239/240 PCI/G	SR-90 PCI/G	U_235_LEPS PCI/G
08/15/1997	1	3.170E-02	3.430E-01	< 3.190E-02	3.860E-02	< 1.310E-04	5.620E-03	1.110E-02	< 2.000E-02
		{ 1.130E-02}	{ 4.200E-02}	{ 3.420E-02}	{ 2.960E-02}	{ 1.800E-04}	{ 1.200E-03}	{ 4.960E-03}	{ 6.940E-02}

2663 MCNARY-WASH. SHORE (0 , 0)

OFF DATE	COM	U_238_LEPS PCI/G
08/15/1997	1	1.030E+00
		{ 3.670E-01}

2664 PRD-GRANT COUNTY (0 , 0)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	EU-154 PCI/G	EU-155 PCI/G	PU-238 PCI/G	PU-239/240 PCI/G	SR-90 PCI/G	U_235_LEPS PCI/G
08/18/1997	2	< 8.050E-03	2.150E-01	< 9.570E-03	5.690E-02	9.330E-04	5.590E-03	8.080E-03	1.360E-01
		{ 1.220E-02}	{ 3.230E-02}	{ 4.160E-02}	{ 3.520E-02}	{ 2.820E-04}	{ 8.590E-04}	{ 3.920E-03}	{ 8.620E-02}

2664 PRD-GRANT COUNTY (0 , 0)

OFF DATE	COM	U_238_LEPS PCI/G
08/18/1997	2	1.440E+00
		{ 4.960E-01}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
1 12 FT. DEPTH.
2 20 FT. DEPTH.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/01/1997 TO 12/31/1997
SEDIMENT

2665 PRD-1/3 GRANT SHORE (0 , 0)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	EU-154 PCI/G	EU-155 PCI/G	PU-238 PCI/G	PU-239/240 PCI/G	SR-90 PCI/G	U_235_LEPS PCI/G
08/18/1997	1	NR	NR	NR	NR	NR	NR	NR	NR

2665 PRD-1/3 GRANT SHORE (0 , 0)

OFF DATE	COM	U_238_LEPS PCI/G
08/18/1997	1	NR

2666 PRD-2/3 GRANT SHORE (0 , 0)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	EU-154 PCI/G	EU-155 PCI/G	PU-238 PCI/G	PU-239/240 PCI/G	SR-90 PCI/G	U_235_LEPS PCI/G
08/18/1997	2	1.580E-02	3.450E-01 <	2.260E-02	3.880E-02	1.820E-03	1.730E-02	9.510E-03	9.970E-02
		{ 1.030E-02}	{ 4.280E-02}	{ 3.390E-02}	{ 3.310E-02}	{ 6.960E-04}	{ 2.990E-03}	{ 4.790E-03}	{ 9.080E-02}

2666 PRD-2/3 GRANT SHORE (0 , 0)

OFF DATE	COM	U_238_LEPS PCI/G
08/18/1997	2	1.150E+00
		{ 4.730E-01}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE. MADE 12 ATTEMPTS TO COLLECT BUT RECEIVED NO MORE THAN 50 g OF SAMPLE.
2 75 FT. DEPTH.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/01/1997 TO 12/31/1997
SEDIMENT

2667 PRD-YAKIMA CNTY SHOR (0 , 0)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	EU-154 PCI/G	EU-155 PCI/G	PU-238 PCI/G	PU-239/240 PCI/G	SR-90 PCI/G	U_235_LEPS PCI/G
08/18/1997	1	< 1.910E-03	5.220E-01	< 1.880E-02	5.110E-02	2.960E-04	1.290E-02	1.490E-02	< 7.900E-02
		{ 1.250E-02}	{ 6.040E-02}	{ 3.940E-02}	{ 3.780E-02}	{ 2.810E-04}	{ 2.240E-03}	{ 7.220E-03}	{ 9.630E-02}

2667 PRD-YAKIMA CNTY SHOR (0 , 0)

OFF DATE	COM	U_238_LEPS PCI/G
08/18/1997	1	1.040E+00
		{ 4.580E-01}

2671 RICHLAND-RIVER (0 , 0)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	EU-154 PCI/G	EU-155 PCI/G	PU-238 PCI/G	PU-239/240 PCI/G	SR-90 PCI/G	U_235_LEPS PCI/G
08/15/1997	2	3.470E-02	2.210E-01	< -2.580E-02	6.250E-02	1.840E-03	3.370E-03	4.290E-03	< 5.340E-02
		{ 1.240E-02}	{ 3.190E-02}	{ 3.700E-02}	{ 3.020E-02}	{ 5.040E-04}	{ 7.320E-04}	{ 2.920E-03}	{ 7.450E-02}

2671 RICHLAND-RIVER (0 , 0)

OFF DATE	COM	U_238_LEPS PCI/G
08/15/1997	2	8.310E-01
		{ 2.770E-01}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
1 23 FT. DEPTH.
2 3 FT. DEPTH. WALKED IN FROM SHORE TO COLLECT SAMPLE.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/01/1997 TO 12/31/1997
SEDIMENT

2668 WHITE BLUFFS SLOUGH (0 , 0)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	EU-154 PCI/G	EU-155 PCI/G	PU-238 PCI/G	PU-239/240 PCI/G	SR-90 PCI/G	U_235_LEPS PCI/G
08/18/1997	1	2.890E-02	5.330E-01 <	-1.700E-02	5.220E-02	3.390E-04	3.930E-03	4.970E-03 <	-3.390E-03
		{ 1.230E-02}	{ 5.940E-02}	{ 3.250E-02}	{ 3.070E-02}	{ 2.340E-04}	{ 8.870E-04}	{ 3.460E-03}	{ 7.340E-02}

2668 WHITE BLUFFS SLOUGH (0 , 0)

OFF DATE	COM	U_238_LEPS PCI/G
08/18/1997	1	9.990E-01
		{ 3.650E-01}

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
{ } - Total Propagated Analytical Uncertainty.
1 3 FT. DEPTH, COLLECTED OFFSHORE FROM TLD LOCATION.

Table S-1. Metals in Columbia River and Riverbank Springs Sediments, 1997

Location	Sample Date	Percent Dry Wt	Sb ICP-MS	As ICP-MS	Be ICP-MS	Cd ICP-MS	Cr ICP-MS	Cu ICP-MS	Ni ICP-MS	Pb ICP-MS	Se ICP-MS	Ag GFAA	Tl ICP-MS	Zn ICP-MS
			µg/g dry wt - not blank corrected											
Columbia River Sediment														
MCNARY-OREGON SHORE	08/15/97	48.7	0.986	9.55	1.58	1.46	65.9	40.3	30.8	25.4	0.617 J	0.428	0.676	218
MCNARY-1/3 OR. SHORE	08/15/97	56.3	0.918	8.79	1.39	3.07	65.0	34.8	29.5	26.3	0.493 J	0.184	0.814	292
MCNARY-2/3 OR. SHORE	08/15/97	47.8	0.903	7.73	1.39	2.36	67.2	35.4	30.7	27.4	0.265 J	0.214	1.06	296
MCNARY-WASH. SHORE	08/15/97	76.0	0.621	4.71	1.19	0.715	49.8	16.4	19.2	16.4	0.27 J	0.0716	0.715	143
RICHLAND-RIVER	08/15/97	68.5	0.758	6.25	1.03	0.974	41.4	19.3	14.6	35.7	0.185 J	0.124	0.479	222
100 F SLOUGH	08/18/97	79.5	0.601	4.04	1.28	0.585	57.1	18.5	17.1	17.2	1.8 U	0.0463	0.679	169
HANFORD SLOUGH	08/18/97	70.7	0.749	8.12	1.21	3.44	66.5	23.1	27.8	30.4	0.158 J	0.0848	2.85	436
WHITE BLUFFS SLOUGH	08/18/97	65.1	1.04	4.60	1.37	1.00	53.5	19.9	20.8	32.1	0.366 J	0.0872	0.788	215
PRD-GRANT COUNTY	08/18/97	53.1	0.984	7.02	1.19	3.84	64.6	38.9	34.2	27.0	0.512 J	0.196	1.57	369
PRD-1/3 GRANT SHORE	08/18/97		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PRD-2/3 GRANT SHORE	08/18/97	62.3	0.790	6.24	1.12	4.32	73.3	29.7	35.7	35.8	0.322 J	0.155	0.883	452
PRD-YAKIMA CNTY SHORE	08/18/97	53.3	0.857	7.38	1.14	6.86	68.4	40.0	36.7	42.4	0.222 J	0.192	1.51	496
Riverbank Springs														
100-B SPRING	10/23/97	57.3	0.503	3.35	1.56	0.691	114	17.9	19.3	21.2	1.6 U	0.0638	0.524	135
100-F SPRING	10/23/97	58.9	0.912	9.12	1.67	0.931	84.1	29.3	27.0	39.0	1.6 U	0.115	0.578	233
300 AREA SPRING 42-2	10/27/97	76.5	0.631	5.12	1.31	0.484	56.7	19.1	20.7	18.1	1.6 U	0.0536	0.585	124
HANFORD SPRING 28-2	10/27/97	60.2	0.669	8.46	1.30	0.920	87.3	21.3	22.8	34.5	1.6 U	0.0615	0.572	227
100-K SPRING	11/03/97	75.6	0.553	3.09	1.35	1.71	70.5	24.5	21.0	20.7	1.6 U	0.0675	0.695	247

U - Analyzed but not detected or represented by analytical detection limit.
J - Not detected at or above analytical detection limit shown.
NS - No Sample.

Table S-2. Acid Volatile Sulfide/Simultaneously Extracted Metals and Total Organic Carbon in Columbia River Sediment, 1997

Location	Sample Date	Percent Dry Wt	AVS	Hg SEM	Cd SEM	Cu SEM	Ni SEM	Pb SEM	Zn SEM	TOC
			(µmole/g)							(mg/g)
MCNARY-OREGON SHORE	08/15/97	48.2	1.64	0.00000273	0.0125	0.329	0.121	0.0892	1.84	16800
MCNARY-1/3 OR. SHORE	08/15/97	54.3	2.00	0.0000215	0.0258	0.292	0.103	0.0915	2.90	14600
MCNARY-2/3 OR. SHORE	08/15/97	50.7	2.57	0.00000702	0.0224	0.297	0.114	0.105	3.35	15500
MCNARY-WASH. SHORE	08/15/97	76.0	0.0747	0.0000243	0.00630	0.107	0.0460	0.0451	1.07	3030
RICHLAND-RIVER	08/15/97	70.1	2.69	0.00000520	0.0113	0.189	0.0391	0.161	2.95	4710
100 F SLOUGH	08/18/97	78.8	1.18	0.000000477	0.00481	0.0859	0.0243	0.0500	1.37	1010
HANFORD SLOUGH	08/18/97	70.1	12.6	0.00000120	0.0284	0.109	0.0584	0.113	5.74	9640
WHITE BLUFFS SLOUGH	08/18/97	65.5	9.03	0.000000155 U	0.00815	0.112	0.0481	0.108	2.02	7140
PRD-GRANT COUNTY	08/18/97	54.3	21.4	0.000000155 U	0.0319	0.246	0.100	0.0961	4.62	17000
PRD-1/3 GRANT SHORE	08/18/97		NS	NS	NS	NS	NS	NS	NS	NS
PRD-2/3 GRANT SHORE	08/18/97	63.1	10.6	0.000000155 U	0.0452	0.246	0.134	0.151	5.98	7670
PRD-YAKIMA CNTY SHORE	08/18/97	55.4	18.5	0.000000155 U	0.0612	0.250	0.119	0.190	6.92	11700

U - Analyzed but not detected or represented by the analytical detection limit.
NS - No Sample.

Dose Calculation Information

Table D-1. Distribution of Population in 80-km Radius of the 100-N Area by Grid Sector[a]

	Number of People						
Direction	0-8 km	8-16 km	16-32 km	32-48 km	48-64 km	64-80 km	Totals
N	0	92	548	559	1497	8376	11072
NNE	0	35	563	691	20440	1784	23513
NE	0	7	829	1761	2111	451	5159
ENE	0	0	799	6161	1292	306	8558
E	0	0	573	1099	1409	677	3758
ESE	0	0	477	1596	892	571	3536
SE	0	0	47	2485	37108	10229	49869
SSE	0	0	0	22090	50126	5662	77878
S	0	0	269	4419	1613	166	6467
SSW	0	0	177	1602	14573	525	16877
SW	0	0	582	5382	18241	780	24985
WSW	0	0	672	1885	7608	18468	28633
W	0	76	622	1257	4249	91485	97689
WNW	0	123	536	637	876	4928	7100
NW	0	135	548	802	600	681	2766
NNW	0	130	548	683	979	5049	7389
Totals	0	598	7790	53109	163614	150138	375249

(a) Based on 1990 census data (Beck, et al. 1991, Hanford Area 1990 Population and 50-Year Projections (PNL-7803, Pacific Northwest Laboratory, Richland, Washington).

Table D-2. Distribution of Population in 80-km Radius of the 200 Areas by Grid Sector[a]

	Number of People						
Direction	0-8 km	8-16 km	16-32 km	32-48 km	48-64 km	64-80 km	Totals
N	0	0	434	822	969	2418	4643
NNE	0	0	268	1030	5220	17567	24085
NE	0	0	393	6176	2658	1145	10372
ENE	0	0	423	1217	1652	664	3956
E	0	0	452	1373	1416	751	3992
ESE	0	0	289	1674	270	767	3000
SE	0	0	1141	35519	73156	4918	114734
SSE	0	0	2796	8309	2394	5891	19390
S	0	0	2842	1622	237	1144	5845
SSW	0	0	713	11983	503	738	13937
SW	0	0	1308	19589	1132	637	22666
WSW	0	0	1956	5406	16336	7525	31223
W	0	0	771	1295	6269	94203	102538
WNW	0	0	641	1087	1189	2375	5292
NW	0	0	548	738	784	809	2879
NNW	0	0	544	909	876	4979	7308
Totals	0	0	15519	98749	115061	146531	375860

(a) Based on 1990 census data (Beck, et al. 1991, Hanford Area 1990 Population and 50-Year Projections (PNL-7803, Pacific Northwest Laboratory, Richland, Washington).

Table D-3. Distribution of Population in 80-km Radius of the 300 Area by Grid Sector[a]

	Number of People										
Direction	0-1.6 km	1.6–3.2 km	3.2-4.8 km	4.8-6.4 km	6.4-8 km	8-16 km	16-32 km	32-48 km	48-64 km	64-80 km	Totals
N	0	0	0	2	6	85	602	4203	2894	9998	17790
NNE	0	3	16	25	33	277	678	2242	2411	1218	6903
NE	1	11	18	25	33	277	827	1094	590	306	3182
ENE	2	11	18	25	33	277	754	741	480	535	2876
E	3	11	18	25	33	276	170	255	761	1001	2553
ESE	2	11	18	25	33	264	117	454	878	10548	12350
SE	2	11	18	25	33	277	15318	3337	1322	3257	23600
SSE	0	7	18	25	121	616	57047	4098	3779	4785	70496
S	0	0	3	198	2231	17726	12449	123	13473	10913	57116
SSW	0	0	0	0	297	3518	3788	288	651	1859	10401
SW	0	0	0	0	59	2364	2916	1619	311	763	8032
WSW	0	0	0	0	0	967	3238	5812	13516	713	24246
W	0	0	0	0	0	0	730	1669	16968	12843	32210
WNW	0	0	0	0	0	0	0	417	1703	2120	4240
NW	0	0	0	0	0	0	0	181	1279	1428	2888
NNW	0	0	0	0	0	0	0	273	1277	1153	2703
Totals	10	65	127	375	2912	26924	98634	26806	62293	63440	281586

(a) Based on 1990 census data (Beck, et al. 1991, Hanford Area 1990 Population and 50-Year Projections (PNL-7803, Pacific Northwest Laboratory, Richland, Washington).

Table D-4. Distribution of Population in 80-km Radius of the 400 Area by Grid Sector[a]

	Number of People						
Direction	0-8 km	8-16 km	16-32 km	32-48 km	48-64 km	64-80 km	Totals
N	0	0	189	1234	1413	15906	18742
NNE	0	56	655	6078	2503	1803	11095
NE	0	177	680	1192	1083	321	3453
ENE	0	266	995	1148	841	399	3649
E	3	277	727	227	560	1006	2797
ESE	0	268	511	260	789	1210	3038
SE	0	1082	27517	18278	1627	2690	51194
SSE	0	6360	48564	11354	3280	9199	78757
S	0	2350	5382	1037	6254	11030	26053
SSW	0	1836	2822	504	263	1557	6982
SW	0	118	2632	6356	427	830	10363
WSW	0	0	1659	8677	17820	723	28879
W	0	0	175	3473	6265	16502	26415
WNW	0	0	0	930	1732	3125	5787
NW	0	0	0	636	1205	1235	3076
NNW	0	0	0	562	1214	1169	2945
	3	12790	92508	61946	47276	68705	283225

(a) Based on 1990 census data (Beck, et al. 1991, Hanford Area 1990 Population and 50-Year Projections (PNL-7803, Pacific Northwest Laboratory, Richland, Washington).

Table D-5. Annual Average Dispersion Factor $\overline{X}/Q'$ Around the 100 Areas during 1997 for a 10-Meter Release Height[a]

	$\overline{X}/Q'$									
Direction	0.8 km	2.4 km	4.0 km	5.6 km	7.2 km	12 km	24 km	40 km	56 km	72 km
N	2.21E-06	4.33E-07	2.04E-07	1.25E-07	8.71E-08	4.24E-08	1.63E-08	8.15E-09	5.21E-09	3.73E-09
NNE	2.14E-06	4.26E-07	2.01E-07	1.24E-07	8.64E-08	4.22E-08	1.63E-08	8.19E-09	5.24E-09	3.76E-09
NE	3.16E-06	6.27E-07	2.96E-07	1.82E-07	1.27E-07	6.21E-08	2.40E-08	1.21E-08	7.72E-09	5.54E-09
ENE	4.89E-06	1.00E-06	4.76E-07	2.94E-07	2.06E-07	1.01E-07	3.94E-08	1.99E-08	1.28E-08	9.21E-09
E	6.23E-06	1.30E-06	6.18E-07	3.82E-07	2.68E-07	1.32E-07	5.13E-08	2.59E-08	1.66E-08	1.20E-08
ESE	5.89E-06	1.21E-06	5.76E-07	3.56E-07	2.49E-07	1.23E-07	4.78E-08	2.42E-08	1.56E-08	1.12E-08
SE	4.17E-06	8.45E-07	4.00E-07	2.47E-07	1.73E-07	8.49E-08	3.31E-08	1.67E-08	1.08E-08	7.74E-09
SSE	2.62E-06	5.18E-07	2.45E-07	1.51E-07	1.05E-07	5.18E-08	2.02E-08	1.02E-08	6.59E-09	4.75E-09
S	2.63E-06	5.20E-07	2.45E-07	1.51E-07	1.06E-07	5.17E-08	2.01E-08	1.01E-08	6.50E-09	4.68E-09
SSW	3.18E-06	6.34E-07	3.00E-07	1.85E-07	1.29E-07	6.34E-08	2.47E-08	1.25E-08	8.05E-09	5.80E-09
SW	3.48E-06	6.90E-07	3.26E-07	2.01E-07	1.41E-07	6.89E-08	2.68E-08	1.35E-08	8.68E-09	6.24E-09
WSW	4.07E-06	8.68E-07	4.16E-07	2.59E-07	1.82E-07	9.00E-08	3.53E-08	1.79E-08	1.16E-08	8.33E-09
W	5.62E-06	1.17E-06	5.57E-07	3.44E-07	2.42E-07	1.19E-07	4.63E-08	2.34E-08	1.50E-08	1.08E-08
WNW	5.06E-06	1.02E-06	4.80E-07	2.96E-07	2.07E-07	1.01E-07	3.91E-08	1.96E-08	1.26E-08	9.02E-09
NW	3.93E-06	7.81E-07	3.68E-07	2.26E-07	1.58E-07	7.71E-08	2.97E-08	1.49E-08	9.55E-09	6.85E-09
NNW	2.73E-06	5.44E-07	2.57E-07	1.58E-07	1.10E-07	5.38E-08	2.08E-08	1.04E-08	6.67E-09	4.79E-09

(a) Calculated from meteorological data collected at the 100-N Area Hanford Meteorology Tower.

Table D-6. Annual Average Dispersion Factor $\overline{X}/Q'$ Around the 200 Areas during 1997 for a 89-Meter Release Height[a]

	$\overline{X}/Q'$									
Direction	0.8 km	2.4 km	4.0 km	5.6 km	7.2 km	12 km	24 km	40 km	56 km	72 km
N	3.42E-08	2.53E-08	1.99E-08	1.56E-08	1.26E-08	7.80E-09	3.83E-09	2.22E-09	1.54E-09	1.17E-09
NNE	3.56E-08	2.60E-08	2.12E-08	1.69E-08	1.39E-08	8.76E-09	4.40E-09	2.58E-09	1.80E-09	1.37E-09
NE	4.29E-08	3.48E-08	2.87E-08	2.30E-08	1.88E-08	1.18E-08	5.81E-09	3.35E-09	2.31E-09	1.74E-09
ENE	3.48E-08	3.73E-08	3.26E-08	2.66E-08	2.21E-08	1.42E-08	7.21E-09	4.24E-09	2.96E-09	2.25E-09
E	2.19E-08	3.34E-08	3.30E-08	2.88E-08	2.48E-08	1.69E-08	9.07E-09	5.49E-09	3.89E-09	2.99E-09
ESE	6.95E-08	7.46E-08	6.72E-08	5.58E-08	4.66E-08	3.01E-08	1.51E-08	8.80E-09	6.09E-09	4.61E-09
SE	1.17E-07	9.74E-08	7.73E-08	6.06E-08	4.92E-08	3.05E-08	1.50E-08	8.60E-09	5.93E-09	4.47E-09
SSE	9.68E-08	6.77E-08	5.22E-08	4.01E-08	3.21E-08	1.94E-08	9.16E-09	5.15E-09	3.51E-09	2.62E-09
S	5.75E-08	3.41E-08	2.58E-08	1.99E-08	1.59E-08	9.73E-09	4.68E-09	2.66E-09	1.82E-09	1.37E-09
SSW	8.70E-08	4.73E-08	3.49E-08	2.64E-08	2.08E-08	1.22E-08	5.64E-09	3.13E-09	2.12E-09	1.58E-09
SW	8.02E-08	4.24E-08	3.02E-08	2.26E-08	1.79E-08	1.07E-08	5.05E-09	2.85E-09	1.95E-09	1.46E-09
WSW	7.72E-08	4.67E-08	3.40E-08	2.54E-08	2.00E-08	1.17E-08	5.39E-09	2.99E-09	2.02E-09	1.50E-09
W	6.30E-08	4.18E-08	3.29E-08	2.53E-08	2.02E-08	1.20E-08	5.55E-09	3.07E-09	2.07E-09	1.54E-09
WNW	4.77E-09	9.24E-09	8.36E-09	6.74E-09	5.47E-09	3.32E-09	1.55E-09	8.64E-10	5.87E-10	4.38E-10
NW	6.59E-08	5.42E-08	4.37E-08	3.45E-08	2.80E-08	1.73E-08	8.34E-09	4.72E-09	3.22E-09	2.41E-09
NNW	3.92E-08	3.27E-08	2.68E-08	2.15E-08	1.78E-08	1.14E-08	5.75E-09	3.37E-09	2.35E-09	1.78E-09

(a) Calculated from meteorological data collected at the Hanford Meteorology Tower.

Table D-7. Annual Average Dispersion Factor $\bar{X}/Q'$ Around the 300 Areas during 1997 for a 10-Meter Release Height[a]

	$\bar{X}/Q'$									
Direction	0.8 km	2.4 km	4.0 km	5.6 km	7.2 km	12 km	24 km	40 km	56 km	72 km
N	3.78E-06	7.75E-07	3.68E-07	2.28E-07	1.60E-07	7.85E-08	3.05E-08	1.54E-08	9.88E-09	7.11E-09
NNE	3.20E-06	6.21E-07	2.92E-07	1.79E-07	1.25E-07	6.10E-08	2.36E-08	1.19E-08	7.59E-09	5.45E-09
NE	3.12E-06	5.98E-07	2.80E-07	1.72E-07	1.20E-07	5.86E-08	2.27E-08	1.14E-08	7.30E-09	5.24E-09
ENE	2.21E-06	4.33E-07	2.04E-07	1.25E-07	8.72E-08	4.25E-08	1.64E-08	8.19E-09	5.23E-09	3.75E-09
E	1.99E-06	3.93E-07	1.85E-07	1.14E-07	7.94E-08	3.87E-08	1.49E-08	7.47E-09	4.77E-09	3.42E-09
ESE	2.03E-06	4.28E-07	2.04E-07	1.26E-07	8.85E-08	4.34E-08	1.69E-08	8.49E-09	5.44E-09	3.91E-09
SE	3.37E-06	7.05E-07	3.36E-07	2.08E-07	1.46E-07	7.17E-08	2.79E-08	1.41E-08	9.03E-09	6.49E-09
SSE	4.16E-06	8.66E-07	4.12E-07	2.54E-07	1.78E-07	8.73E-08	3.39E-08	1.71E-08	1.09E-08	7.85E-09
S	3.73E-06	7.50E-07	3.54E-07	2.18E-07	1.53E-07	7.46E-08	2.88E-08	1.45E-08	9.26E-09	6.64E-09
SSW	1.92E-06	3.78E-07	1.78E-07	1.09E-07	7.62E-08	3.72E-08	1.44E-08	7.23E-09	4.64E-09	3.33E-09
SW	1.16E-06	2.19E-07	1.02E-07	6.21E-08	4.32E-08	2.10E-08	8.10E-09	4.08E-09	2.62E-09	1.88E-09
WSW	8.74E-07	1.60E-07	7.42E-08	4.52E-08	3.14E-08	1.52E-08	5.86E-09	2.95E-09	1.90E-09	1.36E-09
W	1.16E-06	2.11E-07	9.79E-08	5.98E-08	4.17E-08	2.03E-08	7.88E-09	3.99E-09	2.57E-09	1.85E-09
WNW	2.98E-06	6.02E-07	2.86E-07	1.76E-07	1.24E-07	6.08E-08	2.37E-08	1.20E-08	7.69E-09	5.53E-09
NW	5.42E-06	1.12E-06	5.35E-07	3.31E-07	2.32E-07	1.15E-07	4.47E-08	2.26E-08	1.46E-08	1.05E-08
NNW	4.21E-06	8.85E-07	4.24E-07	2.63E-07	1.85E-07	9.12E-08	3.57E-08	1.81E-08	1.17E-08	8.40E-09

(a) Calculated from meteorological data collected at the 300 Area and the Hanford Meteorology Tower.

Table D-8. Annual Average Dispersion Factor $\overline{X}/Q'$ Around the 400 Areas during 1997 for a 10-Meter Release Height[a]

	$\overline{X}/Q'$									
Direction	0.8 km	2.4 km	4.0 km	5.6 km	7.2 km	12 km	24 km	40 km	56 km	72 km
N	3.78E-06	7.69E-07	3.65E-07	2.26E-07	1.58E-07	7.79E-08	3.04E-08	1.54E-08	9.88E-09	7.11E-09
NNE	3.94E-06	7.83E-07	3.70E-07	2.28E-07	1.60E-07	7.84E-08	3.05E-08	1.54E-08	9.88E-09	7.10E-09
NE	2.82E-06	5.74E-07	2.73E-07	1.69E-07	1.18E-07	5.81E-08	2.27E-08	1.15E-08	7.36E-09	5.29E-09
ENE	1.78E-06	3.63E-07	1.73E-07	1.07E-07	7.49E-08	3.68E-08	1.43E-08	7.24E-09	4.65E-09	3.34E-09
E	1.98E-06	3.93E-07	1.85E-07	1.14E-07	7.98E-08	3.90E-08	1.51E-08	7.61E-09	4.88E-09	3.50E-09
ESE	2.30E-06	4.53E-07	2.13E-07	1.31E-07	9.12E-08	4.44E-08	1.71E-08	8.56E-09	5.47E-09	3.92E-09
SE	3.95E-06	7.82E-07	3.68E-07	2.26E-07	1.58E-07	7.68E-08	2.96E-08	1.48E-08	9.44E-09	6.76E-09
SSE	3.37E-06	6.87E-07	3.26E-07	2.01E-07	1.41E-07	6.89E-08	2.68E-08	1.35E-08	8.66E-09	6.22E-09
S	2.77E-06	5.72E-07	2.72E-07	1.68E-07	1.18E-07	5.78E-08	2.25E-08	1.14E-08	7.30E-09	5.26E-09
SSW	2.28E-06	4.59E-07	2.16E-07	1.33E-07	9.30E-08	4.54E-08	1.76E-08	8.88E-09	5.70E-09	4.10E-09
SW	1.81E-06	3.58E-07	1.69E-07	1.04E-07	7.26E-08	3.56E-08	1.39E-08	7.02E-09	4.51E-09	3.25E-09
WSW	1.24E-06	2.42E-07	1.14E-07	6.97E-08	4.87E-08	2.37E-08	9.18E-09	4.62E-09	2.96E-09	2.13E-09
W	1.30E-06	2.51E-07	1.18E-07	7.25E-08	5.07E-08	2.47E-08	9.58E-09	4.82E-09	3.09E-09	2.22E-09
WNW	1.26E-06	2.41E-07	1.13E-07	6.92E-08	4.83E-08	2.36E-08	9.11E-09	4.59E-09	2.95E-09	2.12E-09
NW	2.24E-06	4.31E-07	2.01E-07	1.23E-07	8.59E-08	4.17E-08	1.61E-08	8.06E-09	5.15E-09	3.70E-09
NNW	3.31E-06	6.62E-07	3.13E-07	1.93E-07	1.35E-07	6.60E-08	2.56E-08	1.29E-08	8.28E-09	5.95E-09

(a) Calculated from meteorological data collected at the 400 Area and the Hanford Meteorology Tower.

Quality Assurance

Table Q-1. Quanterra Laboratory, Richland, WA, Performance Data on Surface Environmental Surveillance Project Blind Samples, 1997

Matrix	Radionuclide	True Value	Reported Value	% Bias
Air Filter	Be-7	9.38E-12 pCi/filter	-7.49E+00 pCi/filter	<100
	Be-7	1.43E-06 pCi/filter	-8.94E+00 pCi/filter	<100
	Be-7	5.03E-07 pCi/filter	2.63E+01 pCi/filter	<101
	Ce-144	1.71E+01 pCi/filter	4.70E+01 pCi/filter	174.31
	Co-60	5.61E+01 pCi/filter	5.88E+01 pCi/filter	4.95
	Co-60	4.43E+01 pCi/filter	4.53E+01 pCi/filter	2.26
	Co-60	2.56E+01 pCi/filter	2.38E+01 pCi/filter	-6.99
	Cs-134	2.04E+01 pCi/filter	1.99E+01 pCi/filter	-2.38
	Cs-134	1.18E+01 pCi/filter	1.23E+01 pCi/filter	3.65
	Cs-137	1.05E+02 pCi/filter	1.09E+02 pCi/filter	4.05
	Cs-137	1.41E+02 pCi/filter	1.36E+02 pCi/filter	-3.57
	Cs-137	7.49E+01 pCi/filter	7.64E+01 pCi/filter	1.95
	Mn-54	1.50E+01 pCi/filter	1.34E+01 pCi/filter	-10.60
	Mn-54	8.55E+00 pCi/filter	6.90E+00 pCi/filter	-19.38
	Pu-238	1.09E+00 pCi/filter	9.16E-01 pCi/filter	-16.19
	Pu-238	9.47E-01 pCi/filter	8.65E-01 pCi/filter	-8.65
	Pu-239	4.16E+00 pCi/filter	4.68E+00 pCi/filter	12.48
	Pu-239	1.22E+00 pCi/filter	1.08E+00 pCi/filter	-11.06
	Pu-239	6.32E-01 pCi/filter	6.49E-01 pCi/filter	2.68
	Sr-90	1.80E+00 pCi/filter	1.37E+00 pCi/filter	-24.10
	Sr-90	3.30E+00 pCi/filter	3.87E+00 pCi/filter	17.25
	Sr-90	3.69E+00 pCi/filter	4.97E+00 pCi/filter	34.86
Soil	Cs-137	3.46E+00 pCi/g	3.53E+00 pCi/g	2.01
	Cs-137	6.91E+00 pCi/g	7.15E+00 pCi/g	3.51
	Cs-137	2.25E+01 pCi/g	2.28E+01 pCi/g	1.25
	K-40	1.01E+01 pCi/g	9.14E+00 pCi/g	-9.59
	K-40	1.04E+01 pCi/g	1.11E+01 pCi/g	6.94
	K-40	8.68E+00 pCi/g	7.13E+00 pCi/g	-17.83
	Pu-238	2.94E-01 pCi/g	2.71E-01 pCi/g	-7.94
	Pu-238	5.70E-01 pCi/g	5.32E-01 pCi/g	-6.69
	Pu-239	9.19E-02 pCi/g	8.47E-02 pCi/g	-7.82
	Pu-239	2.10E-01 pCi/g	1.89E-01 pCi/g	-9.88
	Pu-239	3.14E-01 pCi/g	3.02E-01 pCi/g	-3.67
	Sr-90	2.10E-01 pCi/g	2.15E-01 pCi/g	2.19
	Sr-90	1.01E+00 pCi/g	9.07E-01 pCi/g	-10.35
	U-234	7.95E-01 pCi/g	2.67E-01 pCi/g	-66.40
	U-234	7.89E-01 pCi/g	2.84E-01 pCi/g	-64.02
	U-234	1.02E+00 pCi/g	4.95E-01 pCi/g	-51.55
	U-238	8.11E-01 pCi/g	2.56E-01 pCi/g	-68.43
	U-238	8.00E-01 pCi/g	2.71E-01 pCi/g	-66.13
Vegetation	Cs-137	1.56E+00 pCi/g	1.71E+00 pCi/g	9.66
	Cs-137	7.08E-01 pCi/g	8.46E-01 pCi/g	19.54
	Cs-137	6.00E-01 pCi/g	7.03E-01 pCi/g	17.13
	K-40	3.11E+01 pCi/g	3.31E+01 pCi/g	6.48
	K-40	2.73E+01 pCi/g	3.15E+01 pCi/g	15.38

Table Q-1. Quanterra Laboratory, Richland, WA, Performance Data on Surface Environmental Surveillance Project Blind Samples, 1997 (contd)

Matrix	Radionuclide	True Value	Reported Value	% Bias
	K-40	1.04E+01 pCi/g	1.29E+01 pCi/g	24.61
	Pu-238	1.04E-01 pCi/g	1.04E-01 pCi/g	0.08
	Pu-238	3.25E-02 pCi/g	3.24E-02 pCi/g	-0.44
	Pu-238	2.97E-02 pCi/g	3.22E-02 pCi/g	8.24
	Pu-239	3.78E-02 pCi/g	2.90E-02 pCi/g	-23.35
	Pu-239	1.02E-02 pCi/g	1.00E-02 pCi/g	-2.37
	Pu-239	8.73E-03 pCi/g	9.54E-03 pCi/g	9.28
	Sr-90	4.25E+00 pCi/g	4.68E+00 pCi/g	10.03
	Sr-90	1.18E+01 pCi/g	1.21E+01 pCi/g	2.71
	Sr-90	5.75E+00 pCi/g	6.24E+00 pCi/g	8.52
Water	Co-60	2.19E+03 pCi/L	2.45E+03 pCi/L	11.73
	Co-60	4.02E+02 pCi/L	3.93E+02 pCi/L	-2.33
	Co-60	6.81E+02 pCi/L	7.16E+02 pCi/L	5.13
	Cs-134	2.42E+02 pCi/L	2.89E+02 pCi/L	19.65
	Cs-134	2.56E+02 pCi/L	2.76E+02 pCi/L	7.82
	Cs-137	3.90E+03 pCi/L	4.21E+03 pCi/L	7.99
	Cs-137	7.03E+02 pCi/L	7.39E+02 pCi/L	5.14
	Cs-137	1.24E+03 pCi/L	1.36E+03 pCi/L	9.74
	H-3	6.61E+03 pCi/L	6.74E+03 pCi/L	1.89
	H-3	2.44E+03 pCi/L	2.76E+03 pCi/L	13.09
	H-3	2.04E+03 pCi/L	2.14E+03 pCi/L	4.95
	Pu-238	5.13E+01 pCi/L	4.93E+01 pCi/L	-3.88
	Pu-238	1.29E+01 pCi/L	1.39E+01 pCi/L	7.84
	Pu-239	2.09E+01 pCi/L	2.03E+01 pCi/L	-2.82
	Pu-239	6.43E+00 pCi/L	5.94E+00 pCi/L	-7.65
	Pu-239	2.24E+01 pCi/L	2.30E+01 pCi/L	2.79
	Sr-90	1.97E+02 pCi/L	9.07E+01 pCi/L	-54.04
	Sr-90	5.30E+01 pCi/L	2.70E+01 pCi/L	-49.06
	Sr-90	2.50E+01 pCi/L	3.15E+01 pCi/L	26.07
	U-234	5.92E+00 pCi/L	5.61E+00 pCi/L	-5.23
	U-234	3.11E+00 pCi/L	3.02E+00 pCi/L	-2.84
	U-234	4.08E+00 pCi/L	4.42E+00 pCi/L	8.29
	U-238	5.92E+00 pCi/L	5.68E+00 pCi/L	-4.05
	U-238	3.11E+00 pCi/L	3.22E+00 pCi/L	3.59
	U-238	3.97E+00 pCi/L	4.13E+00 pCi/L	3.94

Table Q-2. Quanterra Laboratory, Richland, WA, Performance Data on EPA, NERL Intercomparison Program Samples, 1997

Analysis	Laboratory Average Concentration [a]	EPA Known Concentration [b]	Bias%	Out of limits
Ba-133	24.33 ± 0.58	25 ± 5	-2.68	
Ba-133	93.71 ± 3.91	99 ± 10	-5.34	[c]
Co-60	11 ± 1	21 ± 5	-47.62	outlier
Co-60	18.67 ± 0.58	18 ± 5	3.72	
Co-60	10.33 ± 0.58	10 ± 5	3.30	
Co-60	28.19 ± 1.65	27 ± 5	4.41	[c]
Cs-134	13.33 ± 0.58	31 ± 5	-57.00	outlier
Cs-134	19 ± 1	22 ± 5	-13.64	
Cs-134	37 ± 1	41 ± 5	-9.76	
Cs-134	8.53 ± 0.48	10 ± 5	-14.70	[c]
Cs-137	11 ± 0	22 ± 5	-50.00	outlier
Cs-137	48.67 ± 0.58	49 ± 5	-0.67	
Cs-137	37 ± 1	34 ± 5	8.82	
Cs-137	76.95 ± 2.92	74 ± 5	3.99	[c]
Gross Alpha	4.6 ± 0.53	5.2 ± 5	-11.54	
Gross Alpha	45.33 ± 4.79	48 ± 12	-5.56	
Gross Alpha	3.53 ± 0.21	3.1 ± 5	13.87	
Gross Alpha	52 ± 2.51	49.9 ± 12.5	4.21	
Gross Alpha	13.23 ± 0.71	14.7 ± 5	-10.00	
Gross Beta	17.4 ± 0.79	14.7 ± 5	18.37	
Gross Beta	109 ± 1.11	102.1 ± 15.3	6.76	
Gross Beta	13.67 ± 0.35	15.1 ± 5	-9.47	
Gross Beta	130.33 ± 2.52	143.4 ± 21.5	-9.11	
Gross Beta	41.53 ± 0.74	48.9 ± 5	-15.07	
I-131	88 ± 1.73	86 ± 9	2.33	
I-131	10.33 ± 2.08	10 ± 6	3.30	
Ra-226	5.9 ± 0.26	5.9 ± 0.9	0.00	
Ra-226	12.93 ± 0.96	13 ± 2	-0.54	
Ra-226	2.93 ± 0.15	3 ± 0.5	-2.33	
Ra-226	19.13 ± 1.37	20 ± 3	-4.35	
Ra-226	4.57 ± 0.15	5 ± 0.8	-8.60	
Ra-228	8.33 ± 0.93	8.2 ± 2.1	1.59	
Ra-228	3.7 ± 0.2	3.1 ± 0.8	19.35	
Ra-228	3.03 ± 0.06	3.1 ± 0.8	-2.26	
Ra-228	8.17 ± 0.06	8.02 ± 2	1.87	
Ra-228	4.5 ± 0.17	5 ± 1.3	-10.00	
Sr-89	11 ± 0	12 ± 5	-8.33	
Sr-89	18 ± 1	24 ± 5	-25.00	
Sr-89	43.33 ± 1.53	44 ± 5	-1.52	
Sr-89	36 ± 0	36 ± 5	0.00	
Sr-90	24.33 ± 1.15	25 ± 5	-2.68	
Sr-90	11 ± 0	13 ± 5	-15.38	
Sr-90	13.67 ± 0.58	16 ± 5	-14.56	
Sr-90	20 ± 0	22 ± 5	-9.09	
Tritium	6918.67 ± 139.07	7900 ± 790	-12.42	
Tritium	11390 ± 134.56	11010 ± 1101	3.45	
Uranium	27.8 ± 0.17	27 ± 3	2.96	

Table Q-2. Quanterra Laboratory, Richland, WA, Performance Data on EPA, NERL Intercomparison Program Samples, 1997 (contd)

Analysis	Laboratory Average Concentration [a]	EPA Known Concentration [b]	Bias%	Out of limits
Uranium	23.53 ± 0.35	24 ± 3	-1.96	
Uranium	40.1 ± 0.62	40.3 ± 4	-0.50	
Uranium	4.91 ±	5 ± 3	-1.80	
Uranium	29.37 ± 1.34	31 ± 3	-5.26	
Zn-65	109 ± 1	100 ± 10	9.00	
Zn-65	82.25 ± 1.29	75 ± 8	9.67	(c)

(a) Three results are reported to EPA, this represents the average of the three results ± 1 standard deviation of the mean.

(b) EPA known concentration ± 1 standard deviation.

(c) Results not originally reported to EPA but later reported to PNNL 2/13/98.

Table Q-3. Quanterra Laboratory, Richland, WA, Performance Data on the DOE EML Quality Assessment Program Studies, 1997

Matrix	Radionuclide	True Value	Reported Value	Control Limit Evaluation
Water	Am-241	2.26E+01 pCi/L	2.03E+01 pCi/L	Acceptable
	Co-60	2.46E+03 pCi/L	4.46E+03 pCi/L	Not Acceptable
	Cs-137	1.89E+03 pCi/L	2.01E+03 pCi/L	Acceptable
	Gross Alpha	3.05E+04 pCi/L	2.67E+04 pCi/L	Acceptable
	Gross Beta	2.01E+04 pCi/L	1.53E+04 pCi/L	Acceptable
	H-3	6.76E+03 pCi/L	6.35E+03 pCi/L	Acceptable
	Mn-54	5.64E+02 pCi/L	3.89E+02 pCi/L	Not Acceptable
	Pu-238	3.49E+01 pCi/L	8.92E+00 pCi/L	Acceptable
	Pu-239	2.30E+01 pCi/L	2.24E+01 pCi/L	Acceptable
	Sr-90	6.27E+02 pCi/L	6.57E+02 pCi/L	Acceptable
	U-234	1.46E+01 pCi/L	1.73E+01 pCi/L	Acceptable
	U-238	1.49E+01 pCi/L	1.63E+01 pCi/L	Acceptable
	U-µg	4.40E-02 µg/mL	4.90E-02 µg/mL	Acceptable
Soil	Am-241	1.54E-01 pCi/g	1.61E-01 pCi/g	Acceptable
	Cm-244	6.30E-03 pCi/g	6.76E-03 pCi/g	Acceptable
	Co-60	2.86E-02 pCi/g	3.98E-01 pCi/g	Acceptable w/warning
	Cs-137	2.23E+01 pCi/g	2.68E+01 pCi/g	Acceptable
	K-40	9.03E+00 pCi/g	1.01E+01 pCi/g	Acceptable
	Pu-238	1.43E-02 pCi/g	8.38E-03 pCi/g	Acceptable w/warning
	Pu-239	3.65E+00 pCi/g	2.48E+00 pCi/g	Acceptable w/warning
	Sr-90	1.09E+00 pCi/g	1.11E+00 pCi/g	Acceptable
	U-234	1.02E+00 pCi/g	1.15E+00 pCi/g	Acceptable w/warning
	U-238	1.15E+00 pCi/g	1.21E+00 pCi/g	Acceptable
	U-µg	3.43E+00 µg/g	3.32E+00 µg/g	Acceptable
Vegetation	Am-241	3.20E-02 pCi/g	3.16E-02 pCi/g	Acceptable
	Cm-244	2.43E-02 pCi/g	2.18E-02 pCi/g	Acceptable
	Co-60	3.38E-01 pCi/g	4.06E-01 pCi/g	Acceptable w/warning
	Cs-137	5.11E+00 pCi/g	6.16E+00 pCi/g	Acceptable
	K-40	2.19E+01 pCi/g	2.56E+01 pCi/g	Acceptable
	Pu-239	5.25E-02 pCi/g	5.49E-02 pCi/g	Acceptable
	Sr-90	9.76E+00 pCi/g	1.07E+01 pCi/g	Acceptable
Air Filter	Am-241	4.11E+00 pCi/filter	3.78E+00 pCi/filter	Acceptable
	Ce-144	4.24E+02 pCi/filter	3.95E+02 pCi/filter	Acceptable
	Co-57	2.92E+02 pCi/filter	2.86E+02 pCi/filter	Acceptable
	Co-60	1.35E+02 pCi/filter	1.35E+02 pCi/filter	Acceptable
	Cs-134	2.94E+02 pCi/filter	2.73E+02 pCi/filter	Acceptable
	Cs-137	2.35E+02 pCi/filter	2.24E+02 pCi/filter	Acceptable
	Gross Alpha	2.59E+01 pCi/filter	2.76E+01 pCi/filter	Acceptable
	Gross Beta	1.22E+01 pCi/filter	1.38E+01 pCi/filter	Acceptable
	Mn-54	2.06E+02 pCi/filter	2.09E+02 pCi/filter	Acceptable
	Pu-238	2.70E+00 pCi/filter	2.97E+00 pCi/filter	Acceptable
	Pu-239	3.22E+00 pCi/filter	3.38E+00 pCi/filter	Acceptable
	Sb-125	3.33E+02 pCi/filter	3.52E+02 pCi/filter	Acceptable
	Sr-90	3.92E+01 pCi/filter	3.97E+01 pCi/filter	Acceptable
	U-234	2.78E+00 pCi/filter	2.95E+00 pCi/filter	Acceptable

Table Q-3. Quanterra Laboratory, Richland, WA, Performance Data on the DOE EML Quality Assessment Program Studies, 1997 (contd)

Matrix	Radionuclide	True Value	Reported Value	Control Limit Evaluation
	U-238	2.84E+00 pCi/filter	2.84E+00 pCi/filter	Acceptable
	U-µg	8.45E+00 µg/filter	9.09E+00 µg/filter	Acceptable
Water	Am-241	2.03E+01 pCi/L	1.92E+01 pCi/L	Acceptable
	Co-60	6.30E+02 pCi/L	6.24E+02 pCi/L	Acceptable
	Cs-134	1.78E+03 pCi/L	1.80E+03 pCi/L	Acceptable
	Cs-137	9.27E+02 pCi/L	9.30E+02 pCi/L	Acceptable
	Gross Alpha	1.51E+04 pCi/L	1.56E+04 pCi/L	Acceptable
	Gross Beta	1.92E+04 pCi/L	2.04E+04 pCi/L	Acceptable
	H-3	3.11E+03 pCi/L	3.43E+03 pCi/L	Acceptable
	Mn-54	1.02E+03 pCi/L	1.08E+03 pCi/L	Acceptable
	Pu-238	1.95E+01 pCi/L	1.92E+01 pCi/L	Acceptable
	Pu-239	2.03E+01 pCi/L	2.08E+01 pCi/L	Acceptable
	Sr-90	7.95E+01 pCi/L	8.11E+01 pCi/L	Acceptable
	U-234	6.22E+00 pCi/L	6.76E+00 pCi/L	Acceptable
	U-238	6.49E+00 pCi/L	7.30E+00 pCi/L	Acceptable
	U-µg	2.00E-02 µg/ml	2.00E-02 µg/ml	Acceptable
Soil	Am-241	1.63E-01 pCi/g	1.62E-01 pCi/g	Acceptable
	Co-60	4.05E-02 pCi/g	4.16E-02 pCi/g	Acceptable
	Cs-137	2.19E+01 pCi/g	2.44E+01 pCi/g	Acceptable
	K-40	8.51E+00 pCi/g	8.97E+00 pCi/g	Acceptable
	Pu-238	1.19E-02 pCi/g	1.19E-02 pCi/g	Acceptable
	Pu-239	2.75E-01 pCi/g	2.93E-01 pCi/g	Acceptable
	Sr-90	9.39E-01 pCi/g	1.01E+00 pCi/g	Acceptable
	U-234	1.00E+00 pCi/g	9.68E-01 pCi/g	Acceptable
	U-238	9.43E-01 pCi/g	9.14E-01 pCi/g	Acceptable
	U-µg	2.82E+00 µg/g	2.72E+00 µg/g	Acceptable
Vegetation	Am-241	9.35E-02 pCi/g	1.03E-01 pCi/g	Acceptable
	Cm-244	7.43E-02 pCi/g	6.16E-02 pCi/g	Acceptable w/warning
	Co-60	8.76E-01 pCi/g	9.73E-01 pCi/g	Acceptable
	Cs-137	1.69E+01 pCi/g	1.67E+01 pCi/g	Acceptable
	K-40	3.05E+01 pCi/g	3.03E+01 pCi/g	Acceptable
	Pu-239	1.48E-01 pCi/g	1.75E-01 pCi/g	Acceptable
	Sr-90	3.88E-01 pCi/g	3.80E+01 pCi/g	Acceptable
Air Filter	Am-241	5.68E+00 pCi/filter	5.41E+00 pCi/filter	Acceptable
	Ce-144	5.17E+02 pCi/filter	4.54E+02 pCi/filter	Acceptable
	Co-57	3.42E+02 pCi/filter	3.16E+02 pCi/filter	Acceptable
	Co-60	2.90E+02 pCi/filter	2.59E+02 pCi/filter	Acceptable
	Cs-134	7.61E+02 pCi/filter	6.51E+02 pCi/filter	Acceptable
	Cs-137	1.98E+02 pCi/filter	1.78E+02 pCi/filter	Acceptable
	Gross Alpha	4.03E+01 pCi/filter	5.51E+01 pCi/filter	Acceptable w/warning
	Gross Beta	8.11E+01 pCi/filter	9.54E+01 pCi/filter	Acceptable
	Mn-54	1.82E+02 pCi/filter	1.76E+02 pCi/filter	Acceptable
	Pu-238	5.68E+00 pCi/filter	6.49E+00 pCi/filter	Acceptable
	Pu-239	2.70E+00 pCi/filter	3.24E+00 pCi/filter	Acceptable

Table Q-3. Quanterra Laboratory, Richland, WA, Performance Data on the DOE EML Quality Assessment Program Studies, 1997 (contd)

Matrix	Radionuclide	True Value	Reported Value	Control Limit Evaluation
	Sb-125	4.36E+02 pCi/filter	2.03E+02 pCi/filter	Not Acceptable
	Sr-90	7.46E+01 pCi/filter	8.11E+01 pCi/filter	Acceptable
	U-234	1.35E+00 pCi/filter	1.35E+00 pCi/filter	Acceptable
	U-238	1.35E+00 pCi/filter	1.62E+00 pCi/filter	Acceptable
	U-µg	4.65E+00 µg/filter	4.70E+00 µg/filter	Acceptable

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