Environmental Monitoring at Hanford for 1987 - Surface and Columbia River Data

R. E. Jaquish, PNL Project Manager

August 1988

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

**Pacific Northwest Laboratory
Operated for the U.S. Department of Energy
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226-250	A011
251-275	A012
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ENVIRONMENTAL MONITORING AT HANFORD
FOR 1987 - SURFACE AND COLUMBIA
RIVER DATA

R. E. Jaquish
PNL Project Manager

August 1988

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

Pacific Northwest Laboratory
Richland, Washington 99352

PREFACE

Environmental monitoring at the Hanford Site, located in southeastern Washington State, is conducted by Battelle Memorial Institute, Pacific Northwest Division, as part of its contract to operate the Pacific Northwest Laboratory (PNL) 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 the status of chemicals on the site and in the Columbia River.

PNL published an annual environmental report Environmental Monitoring at Hanford for 1987, PNL-6464 (May 1988). That report represents a single, comprehensive source of offsite and onsite environmental monitoring data collected during 1987 by PNL's Environmental Monitoring Program. Appendix A of that report contains data summaries created from raw surface and river monitoring data. This volume contains the actual raw data used to create the summaries in PNL-6464. Ground-water monitoring data have been provided separately in PNL-6315-1 and PNL-6315-2.

Questions concerning the data appearing here can be directed to R. E. Jaquish, PNL Project Manager, Surface Environmental Monitoring Project.

EXPLANATORY INFORMATION

GENERAL

The uncertainties for individual results are the 2 sigma counting errors.

AIR DATA

Some air-monitoring location names are different in the computer data base than what are found in the published annual report. In most cases, the names are very similar. The following is a list of corresponding names that are dissimilar or that might be confused:

<u>Data Base Name</u>	<u>Annual Report Name</u>
200 Tel. Exchange	GTE Building
3614-A Bldg.	ACRMS
200 W South/East	200-West Area
ERC	ALE

SURFACE WATER DATA

On pages 182 and 183, the constituent $\text{NO}_3\text{-N}$ is abbreviated as NO N .

EXTERNAL RADIATION DATA

Thermoluminescent dosimeter (TLD) readings are shown here in milliroentgens per day (mR/day) and have been converted to mrem/hour for presentation in the annual report.

The location names in the data base are described differently in the annual report as noted below:

<u>Data Base Name</u>	<u>Annual Report Name</u>
ERC	ALE
Below Priest Rapid (p. 240)	Upstream of Site Boundary

CONTENTS

PREFACE	iii
EXPLANATORY INFORMATION	v
AIR DATA	1
Air Sample Composite Parts	1
Gases and Vapor	75
SURFACE WATER	140
Composited Samples (Unfiltered)	140
Continuous Filter/Resin	158
Nonradioactive Samples	182
Onsite Ponds	184
TLD SAMPLES	188
FOODSTUFFS	212
Milk Samples	212
Leafy Vegetables	219
Vegetables	222
Fruit	225
Wine	231
Wheat	232
Beef	237
Eggs and Poultry	238
WILDLIFE	240
Fish	240
Ducks	244
Pheasant	247

Deer	249
Rabbits	251
SOIL	254
VEGETATION	265
NONRADIOACTIVE AIR DATA LETTER REPORTS	277

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 1

6154 - 100 AREA FIRE STAT

0058 - 100 K AREA

1529 - 100 N-WPPSS AREA

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/12/87		0.88E-02 {0.40E-02}		nra	01/12/87		0.36E-01 {0.48E-02}		nra	01/12/87		0.26E-01 {0.45E-02}		nra
01/26/87		0.61E-01 {0.53E-02}		nra	01/26/87		0.70E-01 {0.54E-02}		nra	01/26/87		0.56E-01 {0.51E-02}		nra
02/09/87		0.29E-01 {0.46E-02}		nra	02/09/87		0.30E-01 {0.47E-02}		nra	02/09/87		0.31E-01 {0.47E-02}		nra
02/23/87		0.36E-01 {0.48E-02}		nra	02/23/87		0.44E-01 {0.50E-02}		nra	02/23/87	1	NR {NR}		nra
03/09/87		0.24E-01 {0.44E-02}		nra	03/09/87		0.26E-01 {0.46E-02}		nra	03/09/87	2	NR {NR}		nra
03/23/87		0.14E-01 {0.43E-02}		nra	03/23/87		0.13E-01 {0.41E-02}		nra	03/23/87		0.13E-01 {0.44E-02}		nra
04/06/87		0.30E-01 {0.46E-02}		nra	04/06/87		0.28E-01 {0.47E-02}		nra	04/06/87		0.27E-01 {0.47E-02}		nra
04/20/87		0.11E-01 {0.41E-02}		nra	04/20/87		0.15E-01 {0.43E-02}		nra	04/20/87		0.19E-01 {0.44E-02}		nra
05/04/87		0.39E-01 {0.48E-02}		nra	05/04/87		0.30E-01 {0.46E-02}		nra	05/04/87		0.37E-01 {0.48E-02}		nra
05/18/87		0.31E-01 {0.46E-02}		nra	05/18/87		0.30E-01 {0.46E-02}		nra	05/18/87		0.40E-01 {0.49E-02}		nra
06/01/87		0.26E-01 {0.45E-02}		nra	06/01/87		0.23E-01 {0.43E-02}		nra	06/01/87		0.23E-01 {0.45E-02}		nra
06/15/87		0.26E-01 {0.44E-02}		nra	06/15/87		0.28E-01 {0.46E-02}		nra	06/15/87		0.30E-01 {0.46E-02}		nra
06/29/87		0.13E-01 {0.12E-02}		nra	06/29/87		0.14E-01 {0.13E-02}		nra	06/29/87		0.13E-01 {0.12E-02}		nra
07/13/87		0.10E-01 {0.11E-02}		nra	07/13/87		0.12E-01 {0.11E-02}		nra	07/13/87		0.17E-01 {0.14E-02}		nra
07/27/87		0.16E-01 {0.17E-02}		nra	07/27/87		0.14E-01 {0.13E-02}		nra	07/27/87		0.14E-01 {0.13E-02}		nra
08/10/87		0.12E-01 {0.12E-02}		nra	08/10/87		0.14E-01 {0.13E-02}		nra	08/10/87		0.18E-01 {0.14E-02}		nra
08/24/87		0.12E-01 {0.12E-02}		nra	08/24/87		0.11E-01 {0.12E-02}		nra	08/24/87		0.12E-01 {0.12E-02}		nra
09/08/87		0.19E-01 {0.14E-02}		nra	09/08/87		0.18E-01 {0.14E-02}		nra	09/08/87		0.22E-01 {0.15E-02}		nra
09/21/87		0.19E-01 {0.15E-02}		nra	09/21/87		0.17E-01 {0.14E-02}		nra	09/21/87		0.21E-01 {0.16E-02}		nra
10/05/87		0.27E-01 {0.17E-02}		nra	10/05/87		0.26E-01 {0.17E-02}		nra	10/05/87		0.23E-01 {0.16E-02}		nra
10/19/87		0.26E-01 {0.17E-02}		nra	10/19/87		0.29E-01 {0.18E-02}		nra	10/19/87		0.29E-01 {0.17E-02}		nra
11/02/87		0.52E-01 {0.23E-02}		nra	11/02/87		0.54E-01 {0.23E-02}		nra	11/02/87		0.53E-01 {0.23E-02}		nra
11/16/87		0.31E-01 {0.19E-02}		nra	11/16/87		0.27E-01 {0.17E-02}		nra	11/16/87		0.29E-01 {0.18E-02}		nra
11/16/87		0.31E-01 {0.23E-02}		nra	11/16/87		0.27E-01 {0.23E-02}		nra	11/16/87		0.29E-01 {0.23E-02}		nra
11/30/87		0.23E-01 {0.16E-02}		nra	11/30/87		0.19E-01 {0.15E-02}		nra	11/30/87		0.18E-01 {0.14E-02}		nra

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE.
2 NO SAMPLE. POWER OFF.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 2

6154 - 100 AREA FIRE STAT

0058 - 100 K AREA

1529 - 100 N-WPPSS AREA

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
12/14/87		0.15E-01		nra	12/14/87		0.13E-01		nra	12/14/87		0.14E-01		nra
		{0.12E-02}					{0.12E-02}					{0.13E-02}		
12/28/87		0.32E-01		nra	12/28/87		0.38E-01		nra	12/28/87		0.37E-01		nra
		{0.19E-02}					{0.19E-02}					{0.20E-02}		
MEAN		0.25E-01					0.28E-01					0.28E-01		
MINIMUM		0.88E-02					0.11E-01					0.12E-01		
MAXIMUM		0.61E-01					0.70E-01					0.58E-01		
2STD.ERR		0.50E-02					0.55E-02					0.49E-02		

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE.
2 NO SAMPLE. POWER OFF.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 3

1074 - 100 D AREA

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/12/87		0.31E-01		0.72E-03										
		{0.46E-02}		{0.42E-03}										
01/26/87		0.60E-01		0.10E-02										
		{0.53E-02}		{0.47E-03}										
02/09/87		0.24E-01		0.53E-03										
		{0.44E-02}		{0.38E-03}										
02/23/87		0.34E-01		0.94E-03										
		{0.47E-02}		{0.45E-03}										
03/09/87		0.23E-01		0.98E-03										
		{0.45E-02}		{0.47E-03}										
03/23/87		0.12E-01		0.31E-03										
		{0.42E-02}		{0.31E-03}										
04/06/87		0.30E-01		0.11E-02										
		{0.46E-02}		{0.49E-03}										
04/20/87		0.15E-01		0.36E-03										
		{0.42E-02}		{0.28E-03}										
05/04/87		0.34E-01		0.15E-02										
		{0.47E-02}		{0.55E-03}										
05/18/87		0.32E-01		0.94E-03										
		{0.46E-02}		{0.48E-03}										
06/01/87		0.21E-01		0.13E-02										
		{0.42E-02}		{0.51E-03}										
06/15/87		0.29E-01		0.13E-02										
		{0.46E-02}		{0.54E-03}										
06/29/87		0.14E-01		0.68E-03										
		{0.13E-02}		{0.44E-03}										
07/13/87		0.13E-01	<	0.25E-03										
		{0.12E-02}		{0.35E-03}										
07/27/87		0.12E-01	<	0.18E-03										
		{0.12E-02}		{0.32E-03}										
08/10/87		0.13E-01		0.54E-03										
		{0.12E-02}		{0.42E-03}										
08/24/87		0.11E-01		0.52E-03										
		{0.12E-02}		{0.39E-03}										
09/08/87		0.20E-01		0.77E-03										
		{0.14E-02}		{0.45E-03}										
09/21/87		0.19E-01		0.55E-03										
		{0.14E-02}		{0.42E-03}										
10/05/87		0.25E-01		0.13E-02										
		{0.16E-02}		{0.55E-03}										
10/19/87		0.30E-01		0.11E-02										
		{0.18E-02}		{0.52E-03}										
11/02/87		0.58E-01		0.21E-02										
		{0.24E-02}		{0.69E-03}										
11/16/87		0.32E-01		0.11E-02										
		{0.24E-02}		{0.69E-03}										
11/16/87		0.32E-01		0.11E-02										
		{0.19E-02}		{0.57E-03}										
11/30/87		0.25E-01		0.11E-02										
		{0.16E-02}		{0.52E-03}										
12/14/87		0.13E-01		0.56E-03										
		{0.13E-02}		{0.45E-03}										

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 4

1074 - 100 D AREA

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
12/28/87		0.34E-01 {0.19E-02}		0.67E-03 {0.35E-03}										
MEAN		0.25E-01		0.86E-03										
MINIMUM		0.11E-01		0.16E-03										
MAXIMUM		0.80E-01		0.21E-02										
2STD.ERR		0.49E-02		0.19E-03										

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR COMPOSITED SAMPLES - PCI/M3

VERSION 1.0*
Page 5

1753 100 AREA - 100 AREA FIRE STAT, 100 K AREA, 100 N-WPPSS AREA, 100 D AREA (PARTICULATE, FILTER-1)

OFF DATE	COM	SR 90	RU 106	CS 137	U 234	U 235	U 238	PU 238	PU23940
01/26/87			0.30E-02 {0.25E-02}	0.46E-03 {0.33E-03}					
02/23/87	1		< 0.38E-02 {0.55E-02}	< 0.63E-04 {0.55E-03}					
04/06/87	2	0.42E-04 {0.26E-04}	< 0.21E-02 {0.40E-02}	< 0.38E-03 {0.49E-03}	0.19E-04 {0.45E-05}	0.26E-05 {0.18E-05}	0.20E-04 {0.46E-05}	< 0.21E-06 {0.41E-06}	< 0.62E-06 {0.71E-06}
05/04/87			< 0.19E-02 {0.42E-02}	0.89E-03 {0.48E-03}					
06/01/87			< - .66E-02 {0.54E-02}	0.60E-03 {0.57E-03}					
06/29/87		0.68E-04 {0.32E-04}	< 0.86E-03 {0.61E-02}	0.59E-03 {0.39E-03}	0.23E-04 {0.52E-05}	0.53E-05 {0.27E-05}	0.14E-04 {0.42E-05}	< 0.42E-06 {0.71E-06}	< 0.31E-06 {0.71E-06}
07/27/87			< 0.25E-03 {0.34E-02}	0.46E-03 {0.33E-03}					
09/08/87			< 0.81E-03 {0.24E-02}	< 0.19E-04 {0.25E-03}					
10/05/87		0.31E-04 {0.21E-04}	< 0.00E+00 {0.52E-02}	0.79E-03 {0.62E-03}	0.41E-04 {0.84E-05}	< 0.57E-07 {0.20E-05}	0.14E-03 {0.15E-04}	< 0.16E-06 {0.46E-06}	< 0.97E-06 {0.10E-05}
11/02/87			0.49E-02 {0.33E-02}	< 0.22E-03 {0.48E-03}					
11/30/87			< 0.76E-03 {0.36E-02}	< - .58E-04 {0.53E-03}					
12/28/87		0.38E-04 {0.28E-04}	< - .11E-02 {0.52E-02}	< 0.00E+00 {0.31E-03}	< 0.45E-05 {0.43E-05}	< - .32E-05 {0.00E+00}	0.86E-05 {0.46E-05}	< 0.34E-06 {0.84E-06}	< 0.65E-06 {0.12E-05}
MEAN		0.45E-04	0.90E-03	0.37E-03	0.22E-04	0.12E-05	0.46E-04	0.28E-06	0.64E-06
MINIMUM		0.31E-04	- .66E-02	- .58E-04	0.45E-05	- .32E-05	0.86E-05	0.16E-06	0.31E-06
MAXIMUM		0.68E-04	0.49E-02	0.89E-03	0.41E-04	0.53E-05	0.14E-03	0.42E-06	0.97E-06
2STD.ERR		0.22E-04	0.21E-02	0.23E-03	0.18E-04	0.43E-05	0.65E-04	0.34E-06	0.57E-06

/ - Result less than detection limit.
 < - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.
 1 Comment for sample 1529 on 02/23/87
 NO SAMPLE.
 2 Comment for sample 1529 on 03/09/87
 NO SAMPLE. POWER OFF.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 6

0249 - RT. 11A MI. 9

0051 - N OF 200 E

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/19/87		0.38E-01		0.87E-03	01/19/87		0.45E-01		0.12E-02					
		{0.48E-02}		{0.44E-03}			{0.50E-02}		{0.52E-03}					
02/02/87		0.48E-01		0.15E-02	02/02/87		0.84E-01		0.25E-02					
		{0.49E-02}		{0.58E-03}			{0.89E-02}		{0.94E-03}					
02/17/87		0.44E-01		0.13E-02	02/17/87		0.40E-01		0.92E-03					
		{0.46E-02}		{0.51E-03}			{0.46E-02}		{0.43E-03}					
03/02/87		0.26E-01	<	0.31E-03	03/02/87		0.19E-01		0.70E-03					
		{0.48E-02}		{0.33E-03}			{0.47E-02}		{0.41E-03}					
03/16/87		0.20E-01		0.60E-03	03/16/87		0.20E-01		0.81E-03					
		{0.45E-02}		{0.37E-03}			{0.44E-02}		{0.45E-03}					
03/30/87		0.19E-01		0.79E-03	03/30/87		0.21E-01		0.48E-03					
		{0.43E-02}		{0.41E-03}			{0.44E-02}		{0.35E-03}					
04/13/87		0.24E-01		0.12E-02	04/13/87		0.24E-01		0.89E-03					
		{0.45E-02}		{0.51E-03}			{0.46E-02}		{0.44E-03}					
04/27/87		0.23E-01		0.10E-02	04/27/87		0.26E-01		0.13E-02					
		{0.44E-02}		{0.47E-03}			{0.46E-02}		{0.55E-03}					
05/11/87		0.39E-01		0.12E-02	05/11/87		0.34E-01		0.18E-02					
		{0.47E-02}		{0.53E-03}			{0.47E-02}		{0.61E-03}					
05/26/87		0.23E-01		0.12E-02	05/26/87		0.24E-01		0.79E-03					
		{0.43E-02}		{0.47E-03}			{0.44E-02}		{0.44E-03}					
06/08/87		0.23E-01		0.65E-03	06/08/87		0.22E-01		0.16E-02					
		{0.45E-02}		{0.42E-03}			{0.47E-02}		{0.59E-03}					
06/22/87		0.14E-01		0.81E-03	06/22/87		0.15E-01		0.68E-03					
		{0.13E-02}		{0.49E-03}			{0.13E-02}		{0.45E-03}					
07/07/87		0.17E-01		0.62E-03	07/07/87		0.16E-01		0.68E-03					
		{0.13E-02}		{0.39E-03}			{0.13E-02}		{0.42E-03}					
07/20/87		0.10E-01	<	0.34E-03	07/20/87		0.12E-01		0.50E-03					
		{0.12E-02}		{0.37E-03}			{0.13E-02}		{0.46E-03}					
08/03/87		0.15E-01		0.78E-03	08/03/87		0.15E-01		0.52E-03					
		{0.13E-02}		{0.50E-03}			{0.13E-02}		{0.44E-03}					
08/17/87		0.13E-01		0.47E-03	08/17/87		0.13E-01	<	0.29E-03					
		{0.12E-02}		{0.39E-03}			{0.12E-02}		{0.33E-03}					
08/31/87		0.18E-01		0.78E-03	08/31/87		0.19E-01		0.71E-03					
		{0.14E-02}		{0.48E-03}			{0.14E-02}		{0.46E-03}					
09/15/87		0.18E-01	<	0.52E-04	09/14/87		0.20E-01		0.98E-03					
		{0.13E-02}		{0.25E-03}			{0.15E-02}		{0.52E-03}					
09/28/87		0.19E-01		0.12E-02	09/28/87		0.21E-01		0.64E-03					
		{0.15E-02}		{0.58E-03}			{0.15E-02}		{0.46E-03}					
10/12/87		0.25E-01		0.10E-02	10/12/87		0.26E-01		0.75E-03					
		{0.16E-02}		{0.51E-03}			{0.16E-02}		{0.46E-03}					
10/26/87		0.34E-01		0.13E-02	10/26/87		0.40E-01		0.12E-02					
		{0.19E-02}		{0.58E-03}			{0.20E-02}		{0.54E-03}					
11/09/87		0.53E-01		0.17E-02	11/09/87		0.54E-01		0.23E-02					
		{0.23E-02}		{0.63E-03}			{0.23E-02}		{0.73E-03}					
11/23/87		0.38E-01		0.52E-03	11/23/87		0.19E-01		0.78E-03					
		{0.20E-02}		{0.41E-03}			{0.14E-02}		{0.44E-03}					
12/07/87		0.20E-01	<	0.37E-03	12/07/87		0.23E-01		0.81E-03					
		{0.15E-02}		{0.37E-03}			{0.16E-02}		{0.49E-03}					
12/21/87		0.18E-01		0.84E-03	12/21/87		0.18E-01		0.98E-03					
		{0.15E-02}		{0.55E-03}			{0.14E-02}		{0.53E-03}					

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 7

0249 - RT. 11A MI. 9

0051 - N OF 200 E

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/04/88		0.66E-01 {0.26E-02}		0.15E-02 {0.47E-03}	01/04/88		0.66E-01 {0.26E-02}		0.14E-02 {0.45E-03}					
MEAN		0.27E-01		0.88E-03			0.28E-01		0.10E-02					
MINIMUM		0.10E-01		0.52E-04			0.12E-01		0.29E-03					
MAXIMUM		0.66E-01		0.17E-02			0.84E-01		0.25E-02					
2STD.ERR		0.55E-02		0.19E-03			0.68E-02		0.23E-03					

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR COMPOSITED SAMPLES - PCI/M3

VERSION 1.0*
Page 8

0613 200 NORTH - RT. 11A MI. 9, N OF 200 E (PARTICULATE, FILTER-1)

OFF DATE COM	SR 90	RU 106	CS 137	U 234	U 235	U 238	PU 238	PU23940
02/02/87	1	< -.49E-02 {0.14E-01}	< -.41E-03 {0.83E-03}	nra	nra	nra		
03/02/87		< 0.00E+00 {0.15E-01}	< -.46E-03 {0.19E-02}					
03/30/87	0.91E-04 {0.51E-04}	< -.38E-02 {0.11E-01}	< 0.57E-03 {0.93E-03}				< 0.00E+00 {0.00E+00}	0.41E-05 {0.29E-05}
04/27/87		< 0.99E-03 {0.95E-02}	< -.28E-03 {0.67E-03}					
05/26/87		< -.56E-02 {0.13E-01}	< 0.00E+00 {0.11E-02}					
07/07/87	< 0.42E-04 {0.64E-04}	< -.58E-02 {0.86E-02}	< 0.29E-03 {0.69E-03}				< -.14E-06 {0.00E+00}	< 0.31E-06 {0.90E-06}
08/03/87		< -.39E-02 {0.11E-01}	< -.19E-02 {0.15E-02}					
08/31/87		< -.25E-02 {0.10E-01}	< -.72E-04 {0.84E-03}					
09/28/87	< 0.68E-05 {0.47E-04}	< -.98E-03 {0.90E-02}	< 0.34E-03 {0.11E-02}				< -.16E-06 {0.00E+00}	< 0.11E-06 {0.99E-06}
10/26/87		< 0.29E-02 {0.88E-02}	< -.44E-03 {0.82E-03}					
12/07/87		< 0.00E+00 {0.62E-02}	< 0.25E-03 {0.29E-03}					
01/04/88	0.72E-04 {0.64E-04}	< -.69E-02 {0.13E-01}	< -.34E-03 {0.10E-02}				< 0.26E-06 {0.79E-06}	< 0.46E-06 {0.11E-05}
MEAN	0.53E-04	-.25E-02	-.20E-03				-.11E-07	0.12E-05
MINIMUM	0.68E-05	-.69E-02	-.19E-02				-.16E-06	0.11E-06
MAXIMUM	0.91E-04	0.29E-02	0.57E-03				0.26E-06	0.41E-05
2STD.ERR	0.50E-04	0.36E-02	0.47E-03				0.28E-06	0.21E-05

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 Comment for sample 0051 on 02/02/87
NO SAMPLE. POWER OFF.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 9

0030 - E OF 200 E

0043 - 200 ESE

0031 - S OF 200 E

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/19/87		0.37E-01 {0.47E-02}		0.13E-02 {0.53E-03}	01/19/87		0.49E-01 {0.50E-02}		0.10E-02 {0.47E-03}	01/19/87		0.43E-01 {0.50E-02}		0.84E-03 {0.48E-03}
02/02/87		0.59E-01 {0.52E-02}		0.14E-02 {0.54E-03}	02/02/87		0.50E-01 {0.50E-02}		0.14E-02 {0.56E-03}	02/02/87		0.62E-01 {0.53E-02}		0.15E-02 {0.57E-03}
02/17/87		0.41E-01 {0.46E-02}		0.10E-02 {0.45E-03}	02/17/87		0.31E-01 {0.44E-02}		0.11E-02 {0.46E-03}	02/17/87		0.48E-01 {0.47E-02}		0.10E-02 {0.45E-03}
03/02/87		0.24E-01 {0.47E-02}		0.59E-03 {0.38E-03}	03/02/87		0.21E-01 {0.47E-02}		0.67E-03 {0.43E-03}	03/02/87		0.22E-01 {0.48E-02}		0.39E-03 {0.32E-03}
03/16/87		0.17E-01 {0.44E-02}		0.69E-03 {0.37E-03}	03/16/87		0.12E-01 {0.43E-02}		0.74E-03 {0.40E-03}	03/16/87		0.18E-01 {0.43E-02}		0.62E-03 {0.40E-03}
03/30/87		0.18E-01 {0.43E-02}		0.84E-03 {0.44E-03}	03/30/87		0.19E-01 {0.44E-02}		0.77E-03 {0.42E-03}	03/30/87		0.22E-01 {0.45E-02}		0.77E-03 {0.40E-03}
04/13/87		0.24E-01 {0.45E-02}		0.99E-03 {0.49E-03}	04/13/87		0.23E-01 {0.45E-02}		0.11E-02 {0.49E-03}	04/13/87		0.23E-01 {0.46E-02}		0.10E-02 {0.47E-03}
04/27/87		0.26E-01 {0.45E-02}		0.77E-03 {0.43E-03}	04/27/87		0.24E-01 {0.44E-02}		0.15E-02 {0.56E-03}	04/27/87		0.25E-01 {0.45E-02}		0.96E-03 {0.48E-03}
05/11/87		0.34E-01 {0.46E-02}		0.18E-02 {0.61E-03}	05/11/87		0.39E-01 {0.45E-02}		0.13E-02 {0.53E-03}	05/11/87		0.37E-01 {0.48E-02}		0.15E-02 {0.57E-03}
05/26/87		0.26E-01 {0.42E-02}		0.11E-02 {0.50E-03}	05/26/87		0.29E-01 {0.44E-02}		0.10E-02 {0.44E-03}	05/26/87		0.25E-01 {0.43E-02}		0.72E-03 {0.42E-03}
06/08/87		0.21E-01 {0.45E-02}		0.62E-03 {0.40E-03}	06/08/87		0.21E-01 {0.48E-02}		0.59E-03 {0.42E-03}	06/08/87		0.23E-01 {0.48E-02}		0.91E-03 {0.46E-03}
06/22/87		0.15E-01 {0.13E-02}		0.10E-02 {0.52E-03}	06/22/87		0.14E-01 {0.13E-02}		0.13E-02 {0.56E-03}	06/22/87		0.14E-01 {0.13E-02}		0.63E-03 {0.42E-03}
07/07/87		0.15E-01 {0.13E-02}		0.11E-02 {0.48E-03}	07/07/87		0.17E-01 {0.13E-02}		0.10E-02 {0.48E-03}	07/07/87		0.17E-01 {0.14E-02}		0.41E-03 {0.38E-03}
07/20/87		0.12E-01 {0.12E-02}		0.63E-03 {0.46E-03}	07/20/87		0.12E-01 {0.13E-02}		0.12E-02 {0.57E-03}	07/20/87		0.12E-01 {0.13E-02}		0.76E-03 {0.52E-03}
08/03/87		0.14E-01 {0.13E-02}		0.56E-03 {0.40E-03}	08/03/87		0.15E-01 {0.13E-02}		0.78E-03 {0.50E-03}	08/03/87		0.14E-01 {0.13E-02}		< 0.36E-03 {0.39E-03}
08/17/87		0.13E-01 {0.13E-02}		< 0.29E-03 {0.38E-03}	08/17/87		0.13E-01 {0.13E-02}		0.88E-03 {0.50E-03}	08/17/87		0.13E-01 {0.12E-02}		0.64E-03 {0.43E-03}
08/31/87		0.18E-01 {0.14E-02}		0.90E-03 {0.48E-03}	08/31/87		0.20E-01 {0.15E-02}		0.73E-03 {0.47E-03}	08/31/87		0.19E-01 {0.14E-02}		0.85E-03 {0.49E-03}
09/14/87		0.18E-01 {0.14E-02}		0.60E-03 {0.45E-03}	09/14/87		0.20E-01 {0.15E-02}		0.53E-03 {0.41E-03}	09/14/87		0.19E-01 {0.15E-02}		0.10E-02 {0.51E-03}
09/28/87		0.22E-01 {0.16E-02}		0.14E-02 {0.58E-03}	09/28/87		0.24E-01 {0.16E-02}		0.96E-03 {0.52E-03}	09/28/87		0.20E-01 {0.15E-02}		0.62E-03 {0.45E-03}
10/12/87		0.28E-01 {0.17E-02}		0.11E-02 {0.52E-03}	10/12/87		0.25E-01 {0.16E-02}		0.14E-02 {0.57E-03}	10/12/87		0.28E-01 {0.17E-02}		0.92E-03 {0.50E-03}
10/26/87		0.36E-01 {0.19E-02}		0.46E-03 {0.37E-03}	10/26/87		0.36E-01 {0.19E-02}		0.54E-03 {0.45E-03}	10/26/87		0.37E-01 {0.20E-02}		0.16E-02 {0.61E-03}
11/09/87		0.52E-01 {0.23E-02}		0.18E-02 {0.63E-03}	11/09/87		0.51E-01 {0.23E-02}		0.14E-02 {0.56E-03}	11/09/87		0.52E-01 {0.23E-02}		0.17E-02 {0.62E-03}
11/23/87		0.30E-01 {0.15E-02}		0.81E-03 {0.37E-03}	11/23/87		0.19E-01 {0.15E-02}		0.90E-03 {0.49E-03}	11/23/87		0.19E-01 {0.15E-02}		0.10E-02 {0.51E-03}
11/23/87		0.30E-01 {0.15E-02}		0.81E-03 {0.37E-03}	11/23/87		0.19E-01 {0.15E-02}		0.90E-03 {0.49E-03}	11/23/87		0.19E-01 {0.15E-02}		0.10E-02 {0.51E-03}
12/07/87		0.24E-01 {0.16E-02}		0.86E-03 {0.48E-03}	12/07/87		0.24E-01 {0.16E-02}		0.56E-03 {0.41E-03}	12/07/87		0.23E-01 {0.16E-02}		< 0.16E-03 {0.32E-03}
12/21/87		0.19E-01 {0.14E-02}		0.48E-03 {0.41E-03}	12/21/87		0.18E-01 {0.14E-02}		0.59E-03 {0.41E-03}	12/21/87		0.19E-01 {0.15E-02}		0.11E-02 {0.57E-03}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 10

0030 - E OF 200 E

0043 - 200 ESE

0031 - S OF 200 E

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/04/88		0.67E-01		0.11E-02	01/04/88		0.76E-01		0.11E-02	01/04/88		0.65E-01		0.11E-02
		{0.26E-02}		{0.40E-03}			{0.28E-02}		{0.42E-03}			{0.26E-02}		{0.43E-03}
MEAN		0.27E-01		0.93E-03			0.27E-01		0.96E-03			0.28E-01		0.89E-03
MINIMUM		0.12E-01		0.29E-03			0.12E-01		0.53E-03			0.12E-01		0.16E-03
MAXIMUM		0.67E-01		0.18E-02			0.76E-01		0.15E-02			0.65E-01		0.17E-02
2STD.ERR		0.56E-02		0.18E-03			0.59E-02		0.15E-03			0.59E-02		0.18E-03

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SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR COMPOSITED SAMPLES - PCI/M3

VERSION 1.0*
Page 11

1749 200 E AREA - E OF 200 E, 200 ESE, S OF 200 E (PARTICULATE, FILTER-1)

OFF DATE COM	SR 90	RU 106	CS 137	U 234	U 235	U 238	PU 238	PU23940
02/02/87		< -.82E-02 {0.86E-02}	< 0.11E-03 {0.54E-03}					
03/02/87		< -.18E-02 {0.81E-02}	< -.17E-03 {0.78E-03}					
03/30/87	0.13E-03 {0.41E-04}	< 0.18E-02 {0.49E-02}	0.50E-03 {0.41E-03}	0.34E-04 {0.64E-05}	0.31E-05 {0.19E-05}	0.23E-04 {0.54E-05}	< 0.32E-06 {0.64E-06}	< 0.64E-06 {0.91E-06}
04/27/87		< -.29E-02 {0.60E-02}	< -.11E-02 {0.92E-03}					
05/26/87		< -.29E-02 {0.54E-02}	< -.16E-03 {0.11E-02}					
07/07/87	0.67E-04 {0.33E-04}	< 0.28E-03 {0.35E-02}	< -.64E-04 {0.53E-03}	0.13E-04 {0.50E-05}	< -.32E-05 {0.10E-05}	0.15E-04 {0.49E-05}	< -.23E-06 {0.00E+00}	< 0.24E-05 {0.29E-05}
08/03/87		< 0.27E-02 {0.27E-02}	0.78E-03 {0.49E-03}					
08/31/87		< -.34E-02 {0.96E-02}	< -.54E-03 {0.91E-03}					
09/28/87	0.73E-04 {0.41E-04}	< 0.44E-02 {0.77E-02}	< -.54E-03 {0.12E-02}	0.15E-04 {0.74E-05}	< -.30E-05 {0.16E-05}	0.19E-04 {0.74E-05}	< 0.40E-06 {0.72E-06}	0.18E-05 {0.14E-05}
10/26/87		< 0.33E-02 {0.53E-02}	< 0.41E-04 {0.86E-03}					
12/07/87		< -.52E-02 {0.62E-02}	< -.16E-03 {0.42E-03}					
01/04/88	< 0.25E-04 {0.33E-04}	< -.32E-03 {0.66E-02}	< 0.22E-03 {0.84E-03}	< 0.82E-05 {0.53E-05}	< -.26E-05 {0.13E-05}	0.95E-05 {0.52E-05}	< 0.14E-05 {0.21E-05}	< 0.26E-06 {0.17E-05}
MEAN	0.75E-04	-.10E-02	-.89E-04	0.18E-04	-.14E-05	0.17E-04	0.46E-06	0.13E-05
MINIMUM	0.25E-04	-.82E-02	-.11E-02	0.82E-05	-.32E-05	0.95E-05	-.23E-06	0.26E-06
MAXIMUM	0.13E-03	0.44E-02	0.78E-03	0.34E-04	0.31E-05	0.23E-04	0.14E-05	0.24E-05
2STD.ERR	0.56E-04	0.29E-02	0.36E-03	0.13E-04	0.31E-05	0.73E-05	0.97E-06	0.14E-05

< - Result less than detection limit.
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SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 12

0250 - SW OF 200-BC CRIBS

0248 - ARMY LOOP CAMP

0052 - 200 TEL. EXCHANGE

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/19/87		0.41E-01		0.11E-02	01/19/87		0.41E-01		0.11E-02	01/19/87		0.40E-01		0.65E-03
		{0.49E-02}		{0.48E-03}			{0.49E-02}		{0.50E-03}			{0.48E-02}		{0.42E-03}
02/02/87		0.54E-01		0.16E-02	02/02/87		0.56E-01		0.12E-02	02/02/87		0.56E-01		0.11E-02
		{0.52E-02}		{0.57E-03}			{0.51E-02}		{0.50E-03}			{0.52E-02}		{0.48E-03}
02/17/87		0.45E-01		0.85E-03	02/17/87		0.44E-01		0.60E-03	02/17/87		0.45E-01		0.80E-03
		{0.47E-02}		{0.42E-03}			{0.46E-02}		{0.37E-03}			{0.47E-02}		{0.40E-03}
03/02/87		0.21E-01		0.12E-02	03/02/87		0.24E-01		0.44E-03	03/02/87		0.17E-01		0.39E-03
		{0.48E-02}		{0.53E-03}			{0.47E-02}		{0.34E-03}			{0.47E-02}		{0.37E-03}
03/16/87		0.15E-01		0.43E-03	03/16/87		0.17E-01		0.45E-03	03/16/87		0.19E-01		0.41E-03
		{0.42E-02}		{0.33E-03}			{0.44E-02}		{0.35E-03}			{0.43E-02}		{0.43E-03}
03/30/87		0.18E-01		0.65E-03	03/30/87		0.18E-01		0.38E-03	03/30/87		0.22E-01		0.65E-03
		{0.44E-02}		{0.38E-03}			{0.43E-02}		{0.30E-03}			{0.45E-02}		{0.35E-03}
04/13/87		0.29E-01		0.98E-03	04/13/87		0.25E-01		0.12E-02	04/13/87		0.23E-01		0.96E-03
		{0.46E-02}		{0.46E-03}			{0.46E-02}		{0.50E-03}			{0.46E-02}		{0.45E-03}
04/27/87		0.24E-01		0.86E-03	04/27/87		0.23E-01		0.77E-03	04/27/87		0.25E-01		0.14E-02
		{0.44E-02}		{0.42E-03}			{0.44E-02}		{0.40E-03}			{0.45E-02}		{0.53E-03}
05/11/87		0.38E-01		0.12E-02	05/11/87		0.40E-01		0.18E-02	05/11/87		0.30E-01		0.13E-02
		{0.48E-02}		{0.52E-03}			{0.48E-02}		{0.60E-03}			{0.46E-02}		{0.51E-03}
05/26/87		0.20E-01		0.94E-03	05/26/87		0.25E-01		0.99E-03	05/26/87		0.24E-01		0.13E-02
		{0.42E-02}		{0.43E-03}			{0.41E-02}		{0.44E-03}			{0.44E-02}		{0.51E-03}
06/08/87		0.24E-01		0.14E-02	06/08/87		0.26E-01		0.11E-02	06/08/87		0.25E-01		0.13E-02
		{0.48E-02}		{0.58E-03}			{0.49E-02}		{0.49E-03}			{0.48E-02}		{0.55E-03}
06/22/87		0.14E-01		0.10E-02	06/22/87		0.15E-01		0.10E-02	06/22/87		0.13E-01		0.59E-03
		{0.13E-02}		{0.52E-03}			{0.13E-02}		{0.52E-03}			{0.12E-02}		{0.41E-03}
07/07/87		0.16E-01		0.41E-03	07/07/87		0.17E-01		0.10E-02	07/07/87		0.17E-01		0.64E-03
		{0.13E-02}		{0.35E-03}			{0.14E-02}		{0.49E-03}			{0.13E-02}		{0.43E-03}
07/20/87		0.98E-02		0.50E-03	07/20/87		0.10E-01		0.58E-03	07/20/87		0.92E-02		0.53E-03
		{0.12E-02}		{0.42E-03}			{0.12E-02}		{0.43E-03}			{0.12E-02}		{0.44E-03}
08/03/87		0.14E-01		0.49E-03	08/03/87		0.16E-01		0.66E-03	08/03/87		0.14E-01		< 0.30E-03
		{0.13E-02}		{0.42E-03}			{0.14E-02}		{0.42E-03}			{0.14E-02}		{0.35E-03}
08/17/87		0.13E-01		0.53E-03	08/17/87		0.13E-01		0.43E-03	08/17/87		0.12E-01		0.56E-03
		{0.13E-02}		{0.40E-03}			{0.13E-02}		{0.39E-03}			{0.12E-02}		{0.42E-03}
08/31/87		0.14E-01		0.42E-03	08/31/87		0.19E-01		0.70E-03	08/31/87		0.25E-01		0.15E-02
		{0.13E-02}		{0.36E-03}			{0.14E-02}		{0.44E-03}			{0.20E-02}		{0.78E-03}
09/14/87		0.16E-01		0.63E-03	09/15/87		0.18E-01		0.96E-03	09/14/87		0.19E-01		0.95E-03
		{0.13E-02}		{0.45E-03}			{0.14E-02}		{0.47E-03}			{0.14E-02}		{0.50E-03}
09/28/87		0.18E-01		0.11E-02	09/28/87		0.21E-01		0.10E-02	09/28/87		0.77E-02		0.66E-03
		{0.14E-02}		{0.53E-03}			{0.16E-02}		{0.58E-03}			{0.10E-02}		{0.42E-03}
10/12/87		0.24E-01		0.95E-03	10/12/87		0.28E-01		0.90E-03	10/12/87		0.11E-01		< 0.20E-03
		{0.16E-02}		{0.48E-03}			{0.17E-02}		{0.49E-03}			{0.12E-02}		{0.33E-03}
10/26/87		0.34E-01		0.80E-03	10/26/87		0.33E-01		< 0.35E-03	10/26/87		0.36E-01		0.11E-02
		{0.19E-02}		{0.45E-03}			{0.19E-02}		{0.37E-03}			{0.19E-02}		{0.53E-03}
11/09/87		0.44E-01		0.18E-02	11/09/87		0.49E-01		0.22E-02	11/09/87		0.49E-01		0.12E-02
		{0.21E-02}		{0.64E-03}			{0.22E-02}		{0.70E-03}			{0.22E-02}		{0.51E-03}
11/23/87		0.20E-01		0.95E-03	11/23/87		0.18E-01		0.11E-02	11/23/87		0.20E-01		0.47E-03
		{0.15E-02}		{0.48E-03}			{0.14E-02}		{0.51E-03}			{0.15E-02}		{0.41E-03}
12/07/87		0.22E-01		0.40E-03	12/07/87		0.23E-01		0.64E-03	12/07/87		0.20E-01		0.49E-03
		{0.16E-02}		{0.38E-03}			{0.16E-02}		{0.44E-03}			{0.15E-02}		{0.39E-03}
12/21/87		0.12E-01		< 0.48E-03	12/21/87		0.19E-01		0.40E-03	12/21/87		0.18E-01		< 0.28E-03
		{0.14E-02}		{0.50E-03}			{0.15E-02}		{0.37E-03}			{0.14E-02}		{0.39E-03}

< - Result less than detection limit
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nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*

Page 13

0250 - SW OF 200-BC CRIBS

0248 - ARMY LOOP CAMP

0052 - 200 TEL. EXCHANGE

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/04/88		0.70E-01		0.12E-02	01/04/88		0.69E-01		0.14E-02	01/04/88		0.64E-01		0.17E-02
		{0.26E-02}		{0.43E-03}			{0.26E-02}		{0.44E-03}			{0.25E-02}		{0.50E-03}
MEAN		0.26E-01		0.88E-03			0.27E-01		0.90E-03			0.25E-01		0.82E-03
MINIMUM		0.98E-02		0.40E-03			0.10E-01		0.35E-03			0.77E-02		0.20E-03
MAXIMUM		0.70E-01		0.18E-02			0.69E-01		0.22E-02			0.64E-01		0.17E-02
2STD.ERR		0.59E-02		0.17E-03			0.57E-02		0.20E-03			0.57E-02		0.19E-03

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SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR COMPOSITED SAMPLES - PCI/M3

VERSION 1.0*
Page 14

0614 200 W SOUTH/EAST - SW OF 200-BC CRIBS, ARMY LOOP CAMP, 200 TEL. EXCHANGE (PARTICULATE, FILTER-1)

OFF DATE COM	SR 90	RU 106	CS 137	U 234	U 235	U 238	PU 238	PU23940
02/02/87		< -.95E-03 {0.84E-02}	< -.11E-03 {0.74E-03}					
03/02/87		< -.13E-02 {0.74E-02}	< 0.11E-03 {0.78E-03}					
03/30/87	0.93E-04 {0.40E-04}	< 0.22E-02 {0.74E-02}	< 0.58E-03 {0.72E-03}	0.26E-04 {0.58E-05}	< 0.64E-06 {0.13E-05}	0.23E-04 {0.55E-05}	0.11E-05 {0.10E-05}	0.27E-05 {0.15E-05}
04/27/87		< -.12E-01 {0.10E-01}	< -.14E-03 {0.11E-02}					
05/26/87		< 0.82E-03 {0.54E-02}	< 0.11E-03 {0.75E-03}					
07/07/87	< 0.13E-04 {0.27E-04}	< 0.27E-02 {0.47E-02}	< -.28E-03 {0.53E-03}	0.20E-04 {0.88E-05}	< -.37E-05 {0.00E+00}	0.17E-04 {0.62E-05}	< 0.13E-06 {0.45E-06}	0.18E-05 {0.14E-05}
08/03/87		< 0.40E-03 {0.83E-02}	< 0.41E-03 {0.10E-02}					
08/31/87		< 0.12E-02 {0.51E-02}	< -.68E-03 {0.79E-03}					
09/28/87	< 0.15E-04 {0.33E-04}	0.53E-02 {0.38E-02}	0.77E-03 {0.48E-03}	< 0.10E-04 {0.85E-05}	< -.14E-05 {0.31E-05}	0.22E-04 {0.99E-05}	< -.11E-06 {0.00E+00}	< 0.63E-06 {0.13E-05}
10/26/87		0.59E-02 {0.42E-02}	< 0.25E-03 {0.84E-03}					
12/07/87		< -.21E-02 {0.59E-02}	< 0.14E-03 {0.44E-03}					
01/04/88	< 0.59E-05 {0.37E-04}	< 0.00E+00 {0.53E-02}	< 0.51E-03 {0.87E-03}	< 0.85E-05 {0.62E-05}	< -.33E-05 {0.95E-06}	< 0.71E-05 {0.55E-05}	< -.72E-06 {0.89E-06}	0.20E-05 {0.17E-05}
MEAN	0.32E-04	0.20E-03	0.14E-03	0.16E-04	-.19E-05	0.17E-04	0.11E-06	0.18E-05
MINIMUM	0.59E-05	-.12E-01	-.68E-03	0.85E-05	-.37E-05	0.71E-05	-.72E-06	0.63E-06
MAXIMUM	0.93E-04	0.59E-02	0.77E-03	0.26E-04	0.64E-06	0.23E-04	0.11E-05	0.27E-05
2STD.ERR	0.48E-04	0.32E-02	0.32E-03	0.92E-05	0.23E-05	0.84E-05	0.98E-06	0.12E-05

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SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 15

1793 - 3814-A BLDG.

6150 - 300 SOUTH GATE

1543 - 300 POND

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/19/87		0.48E-01 {0.49E-02}		nra	01/19/87		0.53E-01 {0.52E-02}		0.91E-03 {0.45E-03}	01/19/87		0.46E-01 {0.50E-02}		0.16E-02 {0.58E-03}
02/02/87		0.43E-01 {0.49E-02}		nra	02/02/87		0.59E-01 {0.53E-02}		0.14E-02 {0.54E-03}	02/02/87		0.54E-01 {0.52E-02}		0.39E-02 {0.88E-03}
02/17/87		0.41E-01 {0.48E-02}		nra	02/17/87		0.41E-01 {0.46E-02}		0.80E-03 {0.35E-03}	02/17/87		0.43E-01 {0.46E-02}		0.72E-03 {0.39E-03}
03/02/87		0.24E-01 {0.47E-02}		nra	03/02/87		0.22E-01 {0.48E-02}		0.95E-03 {0.47E-03}	03/02/87		0.44E-01 {0.53E-02}		0.63E-02 {0.12E-02}
03/16/87		0.20E-01 {0.45E-02}		nra	03/16/87		0.18E-01 {0.43E-02}		0.93E-03 {0.48E-03}	03/16/87		0.14E-01 {0.42E-02}		0.15E-02 {0.56E-03}
03/30/87		0.17E-01 {0.43E-02}		nra	03/30/87		0.22E-01 {0.45E-02}		0.90E-03 {0.44E-03}	03/30/87		0.24E-01 {0.45E-02}		0.30E-02 {0.76E-03}
04/13/87		0.18E-01 {0.46E-02}		nra	04/13/87		0.26E-01 {0.46E-02}		0.13E-02 {0.52E-03}	04/13/87		0.25E-01 {0.48E-02}		0.41E-02 {0.93E-03}
04/27/87		0.26E-01 {0.45E-02}		nra	04/27/87		0.29E-01 {0.46E-02}		0.17E-02 {0.59E-03}	04/27/87		0.36E-01 {0.47E-02}		0.37E-02 {0.84E-03}
05/11/87		0.36E-01 {0.48E-02}		nra	05/11/87		0.35E-01 {0.47E-02}		0.81E-03 {0.43E-03}	05/11/87		0.41E-01 {0.48E-02}		0.28E-02 {0.75E-03}
05/26/87		0.25E-01 {0.43E-02}		nra	05/26/87		0.27E-01 {0.42E-02}		0.11E-02 {0.48E-03}	05/26/87		0.32E-01 {0.43E-02}		0.41E-02 {0.87E-03}
06/08/87		0.25E-01 {0.47E-02}		nra	06/08/87		0.23E-01 {0.49E-02}		0.11E-02 {0.49E-03}	06/08/87		0.28E-01 {0.47E-02}		0.23E-02 {0.71E-03}
06/22/87		0.16E-01 {0.14E-02}		nra	06/22/87		0.15E-01 {0.13E-02}		0.83E-03 {0.48E-03}	06/22/87		0.16E-01 {0.13E-02}		0.22E-02 {0.67E-03}
07/07/87		0.18E-01 {0.14E-02}		nra	07/07/87		0.15E-01 {0.13E-02}		0.95E-03 {0.49E-03}	07/07/87		0.16E-01 {0.13E-02}		0.12E-02 {0.51E-03}
07/20/87		0.11E-01 {0.12E-02}		nra	07/20/87		0.12E-01 {0.12E-02}		< 0.32E-03 {0.37E-03}	07/20/87		0.22E-01 {0.16E-02}		0.47E-02 {0.10E-02}
08/03/87		0.14E-01 {0.13E-02}		nra	08/03/87		0.14E-01 {0.13E-02}		0.71E-03 {0.43E-03}	08/03/87		0.20E-01 {0.15E-02}		0.21E-02 {0.68E-03}
08/17/87		0.12E-01 {0.12E-02}		nra	08/17/87		0.12E-01 {0.12E-02}		< 0.32E-03 {0.36E-03}	08/17/87		0.16E-01 {0.14E-02}		0.23E-02 {0.71E-03}
08/31/87		0.18E-01 {0.14E-02}		nra	08/31/87		0.18E-01 {0.14E-02}		< 0.38E-03 {0.38E-03}	08/31/87		0.22E-01 {0.16E-02}		0.18E-02 {0.66E-03}
09/14/87		0.19E-01 {0.14E-02}		nra	09/14/87		0.20E-01 {0.15E-02}		0.68E-03 {0.47E-03}	09/14/87		0.19E-01 {0.15E-02}		0.95E-03 {0.50E-03}
09/28/87		0.22E-01 {0.15E-02}		nra	09/28/87		0.20E-01 {0.15E-02}		0.83E-03 {0.49E-03}	09/28/87		0.22E-01 {0.15E-02}		0.16E-02 {0.59E-03}
10/12/87		0.29E-01 {0.18E-02}		nra	10/12/87		0.30E-01 {0.18E-02}		0.13E-02 {0.56E-03}	10/12/87	1	0.30E-01 {0.18E-02}		0.11E-02 {0.53E-03}
10/26/87		0.43E-01 {0.21E-02}		nra	10/26/87		0.41E-01 {0.21E-02}		0.16E-02 {0.61E-03}	10/26/87		0.40E-01 {0.20E-02}		0.19E-02 {0.65E-03}
11/09/87		0.50E-01 {0.22E-02}		nra	11/09/87		0.54E-01 {0.23E-02}		0.16E-02 {0.62E-03}	11/09/87		0.53E-01 {0.23E-02}		0.22E-02 {0.71E-03}
11/23/87		0.19E-01 {0.14E-02}		nra	11/23/87		0.35E-01 {0.19E-02}		0.79E-03 {0.45E-03}	11/23/87		0.18E-01 {0.13E-02}		0.13E-02 {0.51E-03}
11/23/87		0.19E-01 {0.14E-02}		nra	11/23/87		0.35E-01 {0.19E-02}		0.79E-03 {0.45E-03}	11/23/87		0.18E-01 {0.13E-02}		0.13E-02 {0.51E-03}
12/07/87		0.23E-01 {0.16E-02}		nra	12/07/87		0.21E-01 {0.16E-02}		< 0.39E-03 {0.39E-03}	12/07/87		0.21E-01 {0.15E-02}		0.86E-03 {0.47E-03}

< - Result less than detection limit

{ } - Uncertainty for result.

NR - No result reported.

nra - Not routinely analyzed.

1 THIS LOCATION WILL BE SAMPLED TEMPORARILY. A NEW
LOC. WAS ESTABLISHED 10/12/87 ~100 YDS AWAY -
300 TRENCH (1544).

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 18

1793 - 3814-A BLDG.

6150 - 300 SOUTH GATE

1543 - 300 POND

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
12/21/87		0.17E-01		nra	12/21/87		0.17E-01		< 0.37E-03	12/21/87		0.17E-01		< 0.35E-03
		{0.14E-02}					{0.14E-02}		{0.39E-03}			{0.14E-02}		{0.37E-03}
01/04/88		0.55E-01		nra	01/04/88		0.51E-01		0.71E-03	01/04/88		0.59E-01		0.12E-02
		{0.24E-02}					{0.23E-02}		{0.35E-03}			{0.24E-02}		{0.43E-03}
MEAN		0.28E-01					0.28E-01		0.90E-03			0.30E-01		0.23E-02
MINIMUM		0.11E-01					0.12E-01		0.32E-03			0.14E-01		0.35E-03
MAXIMUM		0.55E-01					0.59E-01		0.17E-02			0.59E-01		0.63E-02
2STD.ERR		0.49E-02					0.55E-02		0.18E-03			0.54E-02		0.58E-03

< - Result less than detection limit

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LOC. WAS ESTABLISHED 10/12/87 ~100 YDS AWAY -
300 TRENCH (1544).

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR COMPOSITED SAMPLES - PCI/M3

VERSION 1.0*
Page 17

1752 300 AREA - 3614-A BLDG., 300 SOUTH GATE, 300 POND (PARTICULATE, FILTER-1)

OFF DATE COM	SR 90	RU 106	CS 137	U 234	U 235	U 238	PU 238	PU23940
02/02/87		< 0.11E-02 {0.48E-02}	< 0.17E-03 {0.24E-03}					
03/02/87		< - .38E-03 {0.86E-02}	< - .48E-03 {0.12E-02}					
03/30/87	< 0.13E-04 {0.29E-04}	< 0.41E-02 {0.60E-02}	< 0.60E-03 {0.93E-03}	0.60E-03 {0.39E-04}	0.53E-04 {0.12E-04}	0.47E-03 {0.35E-04}	0.12E-05 {0.10E-05}	< 0.69E-06 {0.80E-06}
04/27/87		< - .13E-02 {0.60E-02}	< - .23E-03 {0.67E-03}					
05/26/87		< - .43E-02 {0.67E-02}	< 0.32E-03 {0.52E-03}					
07/07/87	0.37E-04 {0.30E-04}	0.36E-02 {0.36E-02}	< 0.00E+00 {0.41E-03}	0.76E-03 {0.28E-04}	0.77E-04 {0.91E-05}	0.56E-03 {0.24E-04}	< 0.83E-06 {0.21E-05}	< 0.37E-05 {0.42E-05}
08/03/87		< - .15E-02 {0.68E-02}	< 0.13E-03 {0.62E-03}					
08/31/87		< - .41E-02 {0.69E-02}	0.43E-03 {0.38E-03}					
09/28/87	< 0.19E-04 {0.34E-04}	< 0.73E-03 {0.70E-02}	< 0.37E-03 {0.65E-03}	0.10E-02 {0.51E-04}	0.91E-04 {0.15E-04}	0.81E-03 {0.45E-04}	< 0.18E-06 {0.58E-06}	< 0.12E-05 {0.15E-05}
10/26/87 1		< 0.30E-02 {0.52E-02}	< 0.00E+00 {0.71E-03}					
12/07/87		< - .17E-02 {0.48E-02}	< 0.20E-03 {0.62E-03}					
01/04/88	< 0.93E-05 {0.24E-04}	< - .11E-03 {0.56E-02}	< 0.38E-04 {0.51E-03}	0.14E-03 {0.14E-04}	0.85E-05 {0.41E-05}	0.10E-03 {0.12E-04}	< 0.46E-06 {0.77E-06}	< 0.57E-07 {0.55E-06}
MEAN	0.19E-04	- .80E-04	0.13E-03	0.64E-03	0.57E-04	0.49E-03	0.65E-06	0.14E-05
MINIMUM	0.93E-05	- .43E-02	- .48E-03	0.14E-03	0.85E-05	0.10E-03	0.18E-06	0.57E-07
MAXIMUM	0.37E-04	0.41E-02	0.60E-03	0.10E-02	0.91E-04	0.81E-03	0.12E-05	0.37E-05
2STD.ERR	0.20E-04	0.24E-02	0.26E-03	0.44E-03	0.40E-04	0.35E-03	0.79E-06	0.21E-05

< - Result less than detection limit.

{ } - Uncertainty for result.

NR - No result reported.

nra - Not routinely analyzed.

1 Comment for sample 1543 on 10/12/87

THIS LOCATION WILL BE SAMPLED ON A TEMPORARY BASIS. A NEW LO
10/12/87 ~100 YDS. AWAY.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 18

6308 - 400 E

OFF DATE	COM	BETA	COM	ALPHA
01/19/87		0.46E-01		0.79E-03
		{0.49E-02}		{0.45E-03}
02/02/87		0.59E-01		0.14E-02
		{0.53E-02}		{0.54E-03}
02/17/87		0.40E-01		0.11E-02
		{0.46E-02}		{0.46E-03}
03/02/87		0.23E-01		0.13E-02
		{0.47E-02}		{0.56E-03}
03/16/87		0.18E-01		0.62E-03
		{0.44E-02}		{0.38E-03}
03/30/87		0.18E-01		0.84E-03
		{0.43E-02}		{0.43E-03}
04/13/87		0.24E-01		0.81E-03
		{0.45E-02}		{0.43E-03}
04/27/87		0.27E-01		0.12E-02
		{0.44E-02}		{0.49E-03}
05/11/87		0.34E-01		0.14E-02
		{0.47E-02}		{0.56E-03}
05/26/87		0.27E-01		0.17E-02
		{0.44E-02}		{0.55E-03}
06/08/87		0.22E-01		0.50E-03
		{0.52E-02}		{0.41E-03}
06/22/87		0.14E-01		0.85E-03
		{0.13E-02}		{0.50E-03}
07/07/87		0.15E-01		0.95E-03
		{0.13E-02}		{0.47E-03}
07/20/87		0.12E-01		0.45E-03
		{0.13E-02}		{0.41E-03}
08/03/87		0.15E-01	<	0.40E-03
		{0.13E-02}		{0.40E-03}
08/17/87		0.12E-01	<	0.23E-03
		{0.12E-02}		{0.31E-03}
08/31/87		0.18E-01		0.59E-03
		{0.14E-02}		{0.40E-03}
09/14/87		0.20E-01		0.47E-03
		{0.15E-02}		{0.43E-03}
09/28/87		0.20E-01		0.63E-03
		{0.15E-02}		{0.44E-03}
10/12/87		0.28E-01		0.10E-02
		{0.17E-02}		{0.49E-03}
10/26/87		0.38E-01		0.11E-02
		{0.19E-02}		{0.49E-03}
11/09/87		0.45E-01		0.20E-02
		{0.20E-02}		{0.84E-03}
11/23/87		0.17E-01		0.89E-03
		{0.13E-02}		{0.44E-03}
12/07/87		0.22E-01		0.93E-03
		{0.18E-02}		{0.49E-03}
12/21/87		0.18E-01	<	0.30E-03
		{0.14E-02}		{0.38E-03}

6455 - 400 W

OFF DATE	COM	BETA	COM	ALPHA
01/19/87		0.47E-01		0.96E-03
		{0.50E-02}		{0.48E-03}
02/02/87		0.53E-01		0.17E-02
		{0.51E-02}		{0.58E-03}
02/17/87		0.46E-01		0.61E-03
		{0.50E-02}		{0.38E-03}
03/02/87		0.23E-01		0.49E-03
		{0.48E-02}		{0.35E-03}
03/16/87		0.18E-01		0.55E-03
		{0.42E-02}		{0.34E-03}
03/30/87		0.15E-01		0.47E-03
		{0.43E-02}		{0.36E-03}
04/13/87		0.24E-01		0.74E-03
		{0.46E-02}		{0.43E-03}
04/27/87		0.26E-01		0.11E-02
		{0.48E-02}		{0.49E-03}
05/11/87		0.34E-01		0.18E-02
		{0.47E-02}		{0.61E-03}
05/26/87		0.26E-01		0.94E-03
		{0.42E-02}		{0.48E-03}
06/08/87		0.21E-01		0.85E-03
		{0.47E-02}		{0.46E-03}
06/22/87		0.15E-01		0.87E-03
		{0.13E-02}		{0.47E-03}
07/07/87		0.18E-01		0.87E-03
		{0.13E-02}		{0.45E-03}
07/20/87		0.12E-01		0.43E-03
		{0.13E-02}		{0.41E-03}
08/03/87		0.14E-01		0.76E-03
		{0.13E-02}		{0.44E-03}
08/17/87		0.12E-01		0.47E-03
		{0.12E-02}		{0.41E-03}
08/31/87		0.18E-01		0.94E-03
		{0.14E-02}		{0.49E-03}
09/14/87		0.18E-01	<	0.32E-03
		{0.14E-02}		{0.36E-03}
09/28/87		0.21E-01		0.83E-03
		{0.15E-02}		{0.50E-03}
10/12/87		0.27E-01		0.12E-02
		{0.17E-02}		{0.52E-03}
10/26/87		0.43E-01		0.21E-02
		{0.22E-02}		{0.71E-03}
11/09/87	1	NR		NR
		{NR}		{NR}
11/23/87		0.17E-01		0.41E-03
		{0.13E-02}		{0.35E-03}
12/07/87		0.22E-01		0.83E-03
		{0.15E-02}		{0.48E-03}
12/21/87		0.19E-01	<	0.27E-03
		{0.15E-02}		{0.38E-03}

6456 - 400 S

OFF DATE	COM	BETA	COM	ALPHA
01/19/87		0.47E-01		0.11E-02
		{0.49E-02}		{0.49E-03}
02/02/87		0.50E-01		0.12E-02
		{0.51E-02}		{0.51E-03}
02/17/87		0.38E-01		0.67E-03
		{0.45E-02}		{0.38E-03}
03/02/87		0.25E-01		0.80E-03
		{0.49E-02}		{0.43E-03}
03/16/87		0.19E-01	<	0.29E-03
		{0.44E-02}		{0.31E-03}
03/30/87		0.18E-01		0.82E-03
		{0.43E-02}		{0.43E-03}
04/13/87		0.20E-01		0.50E-03
		{0.44E-02}		{0.34E-03}
04/27/87		0.27E-01		0.15E-02
		{0.45E-02}		{0.58E-03}
05/11/87		0.38E-01		0.14E-02
		{0.48E-02}		{0.54E-03}
05/26/87		0.28E-01		0.58E-03
		{0.44E-02}		{0.39E-03}
06/08/87		0.22E-01		0.85E-03
		{0.48E-02}		{0.45E-03}
06/22/87		0.15E-01		0.59E-03
		{0.13E-02}		{0.43E-03}
07/07/87		0.17E-01		0.48E-03
		{0.13E-02}		{0.38E-03}
07/20/87		0.13E-01		0.97E-03
		{0.13E-02}		{0.55E-03}
08/03/87		0.18E-01		0.80E-03
		{0.14E-02}		{0.50E-03}
08/17/87		0.13E-01		0.60E-03
		{0.13E-02}		{0.42E-03}
08/31/87		0.18E-01		0.85E-03
		{0.14E-02}		{0.49E-03}
09/14/87		0.14E-01		0.68E-03
		{0.13E-02}		{0.45E-03}
09/28/87		0.19E-01		0.11E-02
		{0.15E-02}		{0.55E-03}
10/12/87		0.27E-01		0.84E-03
		{0.17E-02}		{0.47E-03}
10/26/87		0.39E-01		0.18E-02
		{0.20E-02}		{0.65E-03}
11/09/87		0.59E-01		0.22E-02
		{0.24E-02}		{0.69E-03}
11/23/87		0.18E-01		0.10E-02
		{0.13E-02}		{0.48E-03}
12/07/87		0.23E-01		0.43E-03
		{0.18E-02}		{0.39E-03}
12/21/87		0.18E-01		0.49E-03
		{0.14E-02}		{0.39E-03}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 19

6308 - 400 E

6455 - 400 W

6456 - 400 S

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/04/88		0.58E-01		0.12E-02	01/04/88		0.58E-01		0.61E-03	01/04/88		0.53E-01		0.90E-03
		{0.24E-02}		{0.43E-03}			{0.24E-02}		{0.32E-03}			{0.23E-02}		{0.39E-03}
MEAN		0.26E-01		0.91E-03			0.26E-01		0.84E-03			0.27E-01		0.90E-03
MINIMUM		0.12E-01		0.23E-03			0.12E-01		0.27E-03			0.13E-01		0.29E-03
MAXIMUM		0.59E-01		0.20E-02			0.58E-01		0.21E-02			0.59E-01		0.22E-02
2STD.ERR		0.53E-02		0.19E-03			0.53E-02		0.20E-03			0.53E-02		0.20E-03

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 20

6457 - 400 N

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/19/87		0.49E-01		0.60E-03										
		{0.51E-02}		{0.40E-03}										
02/02/87		0.55E-01		0.82E-03										
		{0.51E-02}		{0.45E-03}										
02/17/87		0.42E-01		0.78E-03										
		{0.48E-02}		{0.41E-03}										
03/02/87		0.22E-01		0.11E-02										
		{0.47E-02}		{0.52E-03}										
03/16/87		0.22E-01		0.69E-03										
		{0.44E-02}		{0.39E-03}										
03/30/87		0.22E-01		0.58E-03										
		{0.45E-02}		{0.37E-03}										
04/13/87		0.28E-01		0.10E-02										
		{0.44E-02}		{0.48E-03}										
04/27/87		0.25E-01		0.12E-02										
		{0.43E-02}		{0.49E-03}										
05/11/87		0.40E-01		0.12E-02										
		{0.48E-02}		{0.50E-03}										
05/26/87		0.28E-01		0.10E-02										
		{0.44E-02}		{0.44E-03}										
06/08/87		0.27E-01		0.93E-03										
		{0.49E-02}		{0.49E-03}										
06/22/87		0.15E-01		0.54E-03										
		{0.13E-02}		{0.42E-03}										
07/07/87		0.16E-01		0.50E-03										
		{0.13E-02}		{0.39E-03}										
07/20/87		0.13E-01		< 0.78E-03										
		{0.20E-02}		{0.78E-03}										
08/03/87		0.13E-01		< 0.25E-03										
		{0.12E-02}		{0.38E-03}										
08/17/87		0.11E-01		0.61E-03										
		{0.12E-02}		{0.43E-03}										
08/31/87		0.16E-01		0.64E-03										
		{0.14E-02}		{0.48E-03}										
09/14/87		0.17E-01		0.42E-03										
		{0.14E-02}		{0.38E-03}										
09/28/87	1	NR		< 0.27E-03										
		{NR}		{0.38E-03}										
10/12/87		0.29E-01		0.18E-02										
		{0.17E-02}		{0.59E-03}										
10/26/87		0.43E-01		0.91E-03										
		{0.22E-02}		{0.58E-03}										
11/09/87		0.51E-01		0.21E-02										
		{0.22E-02}		{0.68E-03}										
11/23/87		0.18E-01		0.68E-03										
		{0.14E-02}		{0.42E-03}										
12/07/87		0.22E-01		0.78E-03										
		{0.16E-02}		{0.48E-03}										
12/21/87		0.19E-01		0.49E-03										
		{0.15E-02}		{0.41E-03}										

< - Result less than detection limit

{ } - Uncertainty for result.

NR - No result reported.

nra - Not routinely analyzed.

1 BETA VALUE OF 3.90x10-4 PCI/M3 JUDGED IN ERROR AND REMOVED.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 21

6457 - 400 N

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/04/88		0.62E-01 {0.24E-02}		0.11E-02 {0.40E-03}										
MEAN		0.28E-01		0.83E-03										
MINIMUM		0.11E-01		0.25E-03										
MAXIMUM		0.62E-01		0.21E-02										
2STD.ERR		0.58E-02		0.18E-03										

< - Result less than detection limit

{ } - Uncertainty for result.

NR - No result reported.

nra - Not routinely analyzed.

1 BETA VALUE OF 3.90×10^{-4} PCI/M3 JUDGED IN ERROR AND REMOVED.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR COMPOSITED SAMPLES - PCI/M3

VERSION 1.0+
Page 22

8485 400 AREA - 400 E, 400 W, 400 S, 400 N (PARTICULATE, FILTER-1)

OFF DATE COM	SR 90	RU 106	CS 137	U 234	U 235	U 238	PU 238	PU23940
02/02/87		< 0.74E-03 {0.58E-02}	< -.85E-04 {0.35E-03}	nra	nra	nra		
03/02/87		< -.74E-02 {0.83E-02}	< 0.53E-03 {0.72E-03}					
03/30/87	0.79E-04 {0.30E-04}	< -.99E-03 {0.44E-02}	< 0.29E-03 {0.60E-03}				< 0.00E+00 {0.00E+00}	< 0.99E-06 {0.99E-06}
04/27/87		< 0.43E-02 {0.62E-02}	0.78E-03 {0.47E-03}					
05/26/87		< 0.55E-03 {0.48E-02}	< -.28E-03 {0.60E-03}					
07/07/87	< 0.28E-04 {0.25E-04}	< -.23E-02 {0.40E-02}	< -.32E-03 {0.44E-03}				< -.28E-06 {0.42E-06}	< 0.46E-06 {0.93E-06}
08/03/87		< -.74E-02 {0.80E-02}	< 0.36E-04 {0.75E-03}					
08/31/87		< -.24E-03 {0.63E-02}	< -.63E-03 {0.64E-03}					
09/28/87	< 0.14E-04 {0.27E-04}	< -.41E-02 {0.76E-02}	< -.22E-03 {0.68E-03}				< -.84E-07 {0.00E+00}	< 0.19E-06 {0.55E-06}
10/26/87		< 0.23E-02 {0.58E-02}	< 0.19E-03 {0.64E-03}					
12/07/87 1		< -.22E-02 {0.41E-02}	< 0.11E-03 {0.35E-03}					
01/04/88	< 0.10E-04 {0.21E-04}	< 0.31E-02 {0.49E-02}	< -.43E-03 {0.51E-03}				< -.70E-07 {0.00E+00}	< 0.90E-07 {0.51E-06}
MEAN	0.33E-04	-.11E-02	-.30E-05				-.11E-06	0.43E-06
MINIMUM	0.10E-04	-.74E-02	-.63E-03				-.28E-06	0.90E-07
MAXIMUM	0.79E-04	0.43E-02	0.78E-03				0.00E+00	0.99E-06
2STD.ERR	0.36E-04	0.28E-02	0.29E-03				0.17E-06	0.59E-06

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 Comment for sample 8455 on 11/09/87
NO SAMPLE.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 23

0057 - HANFORD TOWNSITE

0035 - HANFORD NO. 2

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/12/87		0.33E-01		0.79E-03			nra		nra					
		{0.46E-02}		{0.42E-03}										
01/28/87		0.55E-01		0.48E-03			nra		nra					
		{0.52E-02}		{0.33E-03}										
02/09/87		0.24E-01		0.77E-03			nra		nra					
		{0.44E-02}		{0.42E-03}										
02/23/87		0.31E-01		0.53E-03			nra		nra					
		{0.46E-02}		{0.38E-03}										
03/09/87	1	NR		NR			nra		nra					
		{NR}		{NR}										
03/23/87	2	NR		NR			nra		nra					
		{NR}		{NR}										
04/08/87		0.28E-01		0.90E-03			nra		nra					
		{0.46E-02}		{0.46E-03}										
04/20/87		0.13E-01		0.48E-03			nra		nra					
		{0.41E-02}		{0.35E-03}										
05/04/87		0.32E-01		0.15E-02			nra		nra					
		{0.47E-02}		{0.57E-03}										
05/18/87		0.22E-01		0.14E-02			nra		nra					
		{0.44E-02}		{0.53E-03}										
06/01/87		0.22E-01		0.18E-02			nra		nra					
		{0.45E-02}		{0.81E-03}										
06/15/87		0.28E-01		0.98E-03			nra		nra					
		{0.46E-02}		{0.46E-03}										
06/29/87		0.13E-01	<	0.32E-03			nra		nra					
		{0.13E-02}		{0.34E-03}										
07/13/87		0.14E-01		0.44E-03			nra		nra					
		{0.13E-02}		{0.40E-03}										
07/27/87		0.14E-01		0.54E-03			nra		nra					
		{0.13E-02}		{0.40E-03}										
08/10/87		0.14E-01		0.49E-03			nra		nra					
		{0.13E-02}		{0.41E-03}										
08/24/87		0.11E-01		0.53E-03			nra		nra					
		{0.12E-02}		{0.40E-03}										
09/08/87		0.23E-01		0.78E-03			nra		nra					
		{0.18E-02}		{0.51E-03}										
09/21/87	3	NR		NR			nra		nra					
		{NR}		{NR}										
10/05/87		0.27E-01		0.13E-02			nra		nra					
		{0.17E-02}		{0.57E-03}										
10/19/87		0.29E-01		0.13E-02			nra		nra					
		{0.18E-02}		{0.58E-03}										
11/02/87		0.55E-01		0.23E-02			nra		nra					
		{0.24E-02}		{0.72E-03}										
11/16/87		0.31E-01		0.13E-02			nra		nra					
		{0.18E-02}		{0.55E-03}										
11/30/87		0.19E-01		0.88E-03			nra		nra					
		{0.15E-02}		{0.50E-03}										

< - Result less than detection limit

{ } - Uncertainty for result.

NR - No result reported.

nra - Not routinely analyzed.

1 NO SAMPLE. POWER OFF- SAVED FOR COMPOSITE SAMPLE.

2 NO SAMPLE. POWER OFF.

3 NO SAMPLE. NOT ENOUGH AIR.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 24

0057 - HANFORD TOWNSITE

0035 - HANFORD NO. 2

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
12/14/87		0.13E-01		0.08E-03			nra		nra					
		{0.12E-02}		{0.45E-03}										
12/28/87		0.33E-01		0.02E-03			nra		nra					
		{0.19E-02}		{0.34E-03}										
MEAN		0.25E-01		0.91E-03										
MINIMUM		0.11E-01		0.32E-03										
MAXIMUM		0.55E-01		0.23E-02										
2STD.ERR		0.50E-02		0.23E-03										

< - Result less than detection limit

{ } - Uncertainty for result.

NR - No result reported.

nra - Not routinely analyzed.

1 NO SAMPLE. POWER OFF- SAVED FOR COMPOSITE SAMPLE.

2 NO SAMPLE. POWER OFF.

3 NO SAMPLE. NOT ENOUGH AIR.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 25

0924 - WYE BARRICADE

0036 - WYE BARR. NO. 2

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/12/87		0.21E-01 {0.44E-02}		< 0.29E-03 {0.31E-03}			nra		nra					
01/26/87		0.31E-01 {0.46E-02}		0.67E-03 {0.40E-03}			nra		nra					
02/09/87		0.22E-01 {0.45E-02}		0.82E-03 {0.43E-03}			nra		nra					
02/23/87		0.28E-01 {0.46E-02}		0.70E-03 {0.39E-03}			nra		nra					
03/09/87		0.22E-01 {0.44E-02}		0.46E-03 {0.31E-03}			nra		nra					
03/23/87		0.27E-01 {0.85E-02}		0.84E-03 {0.65E-03}			nra		nra					
04/06/87		0.27E-01 {0.46E-02}		0.14E-02 {0.57E-03}			nra		nra					
04/20/87		0.15E-01 {0.43E-02}		0.73E-03 {0.41E-03}			nra		nra					
05/04/87		0.31E-01 {0.46E-02}		0.10E-02 {0.46E-03}			nra		nra					
05/18/87		0.34E-01 {0.47E-02}		0.12E-02 {0.49E-03}			nra		nra					
06/01/87		0.22E-01 {0.44E-02}		0.96E-03 {0.49E-03}			nra		nra					
06/15/87		0.28E-01 {0.45E-02}		0.10E-02 {0.47E-03}			nra		nra					
06/29/87		0.13E-01 {0.13E-02}		0.76E-03 {0.44E-03}			nra		nra					
07/13/87		0.12E-01 {0.12E-02}		0.66E-03 {0.45E-03}			nra		nra					
07/27/87		0.14E-01 {0.13E-02}		< 0.37E-03 {0.37E-03}			nra		nra					
08/10/87		0.13E-01 {0.13E-02}		0.89E-03 {0.52E-03}			nra		nra					
08/24/87		0.11E-01 {0.12E-02}		0.85E-03 {0.48E-03}			nra		nra					
09/08/87		0.17E-01 {0.13E-02}		0.12E-02 {0.52E-03}			nra		nra					
09/21/87		0.17E-01 {0.14E-02}		0.75E-03 {0.48E-03}			nra		nra					
10/05/87		0.26E-01 {0.17E-02}		0.10E-02 {0.51E-03}			nra		nra					
10/19/87		0.26E-01 {0.17E-02}		0.54E-03 {0.42E-03}			nra		nra					
11/02/87		0.46E-01 {0.22E-02}		0.19E-02 {0.67E-03}			nra		nra					
11/16/87		0.29E-01 {0.19E-02}		0.89E-03 {0.52E-03}			nra		nra					
11/30/87		0.21E-01 {0.15E-02}		0.80E-03 {0.45E-03}			nra		nra					
12/14/87		0.11E-01 {0.12E-02}		0.61E-03 {0.43E-03}			nra		nra					

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 28

0924 - WYE BARRICADE

0036 - WYE BARR. NO. 2

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
12/28/87		0.31E-01 {0.18E-02}		0.61E-03 {0.33E-03}			nra		nra					
MEAN		0.23E-01		0.84E-03										
MINIMUM		0.11E-01		0.29E-03										
MAXIMUM		0.46E-01		0.19E-02										
2STD.ERR		0.34E-02		0.16E-03										

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR COMPOSITED SAMPLES - PCI/M3

VERSION 1.0+
Page 27

0601 WYE BARRICADE - WYE BARRICADE, WYE BARR. NO. 2 (PARTICULATE, FILTER-1)

OFF DATE COM	SR 90	RU 106	CS 137	U 234	U 235	U 238	PU 238	PU23940
01/26/87		< 0.00E+00 {0.97E-02}	< 0.65E-04 {0.14E-02}					
02/23/87		0.70E-02 {0.53E-02}	< 0.97E-03 {0.10E-02}					
04/06/87	0.12E-03 {0.56E-04}	0.86E-02 {0.56E-02}	0.77E-03 {0.58E-03}	NR	NR	NR	< 0.00E+00 {0.00E+00}	< -.44E-06 {0.88E-06}
05/04/87		< 0.25E-02 {0.72E-02}	< -.11E-03 {0.10E-02}					
06/01/87		< -.38E-02 {0.13E-01}	< 0.94E-03 {0.11E-02}					
06/29/87	< 0.50E-04 {0.88E-04}	< -.63E-02 {0.14E-01}	< -.72E-03 {0.16E-02}	0.48E-04 {0.13E-04}	0.11E-04 {0.69E-05}	0.31E-04 {0.11E-04}	< -.16E-06 {0.00E+00}	< 0.11E-05 {0.15E-05}
07/27/87		< 0.00E+00 {0.12E-01}	< -.12E-02 {0.13E-02}					
09/08/87		0.39E-02 {0.32E-02}	0.37E-03 {0.33E-03}					
10/05/87	< 0.18E-05 {0.50E-04}	< -.25E-02 {0.97E-02}	< -.21E-02 {0.15E-02}	0.37E-04 {0.12E-04}	< 0.56E-05 {0.54E-05}	0.40E-04 {0.12E-04}	< -.14E-06 {0.00E+00}	< 0.79E-06 {0.16E-05}
11/02/87		< -.11E-02 {0.89E-02}	< -.31E-03 {0.12E-02}					
11/30/87		< -.70E-02 {0.81E-02}	< -.13E-03 {0.11E-02}					
12/28/87	< 0.26E-04 {0.62E-04}	< -.34E-02 {0.12E-01}	< 0.20E-03 {0.14E-02}	< 0.13E-05 {0.63E-05}	< -.66E-05 {0.00E+00}	< 0.86E-05 {0.66E-05}	< 0.26E-06 {0.86E-06}	< -.39E-06 {0.12E-05}
MEAN	0.48E-04	-.18E-03	-.10E-03	0.29E-04	0.32E-05	0.26E-04	-.93E-08	0.26E-06
MINIMUM	0.18E-05	-.70E-02	-.21E-02	0.13E-05	-.66E-05	0.86E-05	-.16E-06	-.44E-06
MAXIMUM	0.12E-03	0.86E-02	0.97E-03	0.48E-04	0.11E-04	0.40E-04	0.26E-06	0.11E-05
2STD.ERR	0.64E-04	0.39E-02	0.62E-03	0.33E-04	0.12E-04	0.22E-04	0.30E-06	0.99E-06

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 28

1405 - BERG RANCH

0047 - SAGEHILL MET TOWER

0048 - RINGOLD MET TOWER

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/07/87		0.20E-01		0.40E-03	01/07/87		0.19E-01		0.54E-03	01/07/87		0.20E-01		0.43E-03
		{0.41E-02}		{0.29E-03}			{0.40E-02}		{0.35E-03}			{0.41E-02}		{0.38E-03}
01/21/87		0.45E-01		0.84E-03	01/21/87		0.51E-01		0.94E-03	01/21/87		0.53E-01		0.16E-02
		{0.49E-02}		{0.48E-03}			{0.51E-02}		{0.45E-03}			{0.52E-02}		{0.57E-03}
02/04/87		0.44E-01		0.98E-03	02/04/87		0.39E-01		0.89E-03	02/04/87		0.35E-01		0.21E-02
		{0.49E-02}		{0.47E-03}			{0.48E-02}		{0.39E-03}			{0.77E-02}		{0.88E-03}
02/18/87		0.39E-01		0.12E-02	02/18/87		0.36E-01		0.58E-03	02/18/87		0.39E-01		0.14E-02
		{0.49E-02}		{0.50E-03}			{0.48E-02}		{0.37E-03}			{0.49E-02}		{0.53E-03}
03/04/87		0.23E-01		0.60E-03	03/04/87		0.22E-01		0.11E-02	03/04/87		0.29E-01		0.12E-02
		{0.44E-02}		{0.37E-03}			{0.44E-02}		{0.49E-03}			{0.47E-02}		{0.50E-03}
03/18/87		0.14E-01		0.58E-03	03/18/87		0.16E-01		0.53E-03	03/18/87		0.17E-01		0.69E-03
		{0.43E-02}		{0.39E-03}			{0.43E-02}		{0.38E-03}			{0.42E-02}		{0.37E-03}
04/01/87		0.23E-01		0.96E-03	04/01/87		0.26E-01		0.65E-03	04/01/87		0.31E-01		0.10E-02
		{0.44E-02}		{0.46E-03}			{0.45E-02}		{0.40E-03}			{0.47E-02}		{0.47E-03}
04/15/87		0.18E-01		0.99E-03	04/15/87		0.20E-01		0.12E-02	04/15/87		0.21E-01		0.11E-02
		{0.44E-02}		{0.46E-03}			{0.45E-02}		{0.52E-03}			{0.44E-02}		{0.51E-03}
04/29/87		0.33E-01		0.12E-02	04/29/87		0.35E-01		0.11E-02	04/29/87		0.35E-01		0.11E-02
		{0.46E-02}		{0.53E-03}			{0.49E-02}		{0.50E-03}			{0.48E-02}		{0.50E-03}
05/13/87		0.37E-01		0.82E-03	05/13/87		0.34E-01		0.12E-02	05/13/87		0.33E-01		0.10E-02
		{0.48E-02}		{0.43E-03}			{0.47E-02}		{0.51E-03}			{0.46E-02}		{0.47E-03}
05/27/87		0.32E-01		0.11E-02	05/27/87		0.23E-01		0.14E-02	05/27/87		0.30E-01		0.10E-02
		{0.84E-02}		{0.81E-03}			{0.44E-02}		{0.53E-03}			{0.47E-02}		{0.51E-03}
06/10/87		0.25E-01		0.77E-03	06/10/87		0.20E-01		0.12E-02	06/10/87		0.24E-01		0.69E-03
		{0.46E-02}		{0.42E-03}			{0.42E-02}		{0.51E-03}			{0.45E-02}		{0.41E-03}
06/24/87		0.14E-01		0.12E-02	06/24/87		0.13E-01		0.12E-02	06/24/87		0.15E-01		0.88E-03
		{0.13E-02}		{0.54E-03}			{0.12E-02}		{0.53E-03}			{0.13E-02}		{0.48E-03}
07/08/87		0.17E-01		0.68E-03	07/08/87		0.15E-01		0.99E-03	07/08/87		0.19E-01		0.12E-02
		{0.14E-02}		{0.45E-03}			{0.13E-02}		{0.49E-03}			{0.14E-02}		{0.52E-03}
07/22/87		0.12E-01		0.53E-03	07/22/87		0.13E-01		0.51E-03	07/22/87		0.12E-01		< 0.25E-03
		{0.13E-02}		{0.45E-03}			{0.12E-02}		{0.40E-03}			{0.12E-02}		{0.35E-03}
08/05/87		0.16E-01		0.71E-03	08/05/87		0.13E-01		0.78E-03	08/05/87		0.15E-01		0.42E-03
		{0.14E-02}		{0.48E-03}			{0.13E-02}		{0.48E-03}			{0.13E-02}		{0.38E-03}
08/19/87		0.15E-01		0.49E-03	08/19/87		0.14E-01		0.95E-03	08/19/87		0.14E-01		0.40E-03
		{0.13E-02}		{0.39E-03}			{0.13E-02}		{0.48E-03}			{0.12E-02}		{0.38E-03}
09/02/87		0.21E-01		0.10E-02	09/02/87		0.21E-01		0.88E-03	09/02/87		0.21E-01		0.11E-02
		{0.15E-02}		{0.52E-03}			{0.16E-02}		{0.48E-03}			{0.15E-02}		{0.52E-03}
09/16/87	1	NR		NR	09/16/87		0.22E-01		0.13E-02	09/16/87		0.18E-01		0.64E-03
		{NR}		{NR}			{0.20E-02}		{0.74E-03}			{0.14E-02}		{0.41E-03}
09/30/87		0.21E-01	<	0.33E-03	09/30/87		0.19E-01		0.71E-03	09/30/87		0.23E-01		0.47E-03
		{0.16E-02}		{0.39E-03}			{0.14E-02}		{0.46E-03}			{0.16E-02}		{0.41E-03}
10/14/87		0.26E-01		0.11E-02	10/14/87		0.28E-01		0.21E-02	10/14/87		0.30E-01		0.21E-02
		{0.17E-02}		{0.52E-03}			{0.17E-02}		{0.67E-03}			{0.18E-02}		{0.67E-03}
10/28/87		0.29E-01		0.78E-03	10/28/87		0.30E-01		0.13E-02	10/28/87		0.32E-01		0.14E-02
		{0.18E-02}		{0.47E-03}			{0.18E-02}		{0.55E-03}			{0.18E-02}		{0.56E-03}
11/11/87		0.47E-01		0.22E-02	11/11/87		0.45E-01		0.19E-02	11/11/87		0.55E-01		0.21E-02
		{0.22E-02}		{0.68E-03}			{0.21E-02}		{0.65E-03}			{0.24E-02}		{0.69E-03}
11/25/87		0.17E-01		0.59E-03	11/25/87		0.15E-01		0.59E-03	11/25/87		0.15E-01		0.71E-03
		{0.14E-02}		{0.41E-03}			{0.13E-02}		{0.41E-03}			{0.13E-02}		{0.43E-03}
12/09/87		0.22E-01		0.89E-03	12/09/87		0.22E-01		0.92E-03	12/09/87		0.25E-01		0.92E-03
		{0.15E-02}		{0.47E-03}			{0.15E-02}		{0.48E-03}			{0.16E-02}		{0.50E-03}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. SAVE FOR COMPOSITE.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 29

1405 - BERG RANCH

0047 - SAGEHILL MET TOWER

0048 - RINGOLD MET TOWER

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
12/23/87		0.21E-01		0.45E-03	12/23/87		0.23E-01		0.98E-03	12/23/87		0.22E-01		0.71E-03
		{0.15E-02}		{0.42E-03}			{0.13E-02}		{0.41E-03}			{0.18E-02}		{0.48E-03}
01/08/88		0.59E-01		0.89E-03	01/08/88		0.64E-01		0.90E-03	01/08/88		0.59E-01		0.81E-03
		{0.24E-02}		{0.35E-03}			{0.25E-02}		{0.37E-03}			{0.24E-02}		{0.37E-03}
MEAN		0.27E-01		0.85E-03			0.28E-01		0.10E-02			0.27E-01		0.10E-02
MINIMUM		0.12E-01		0.33E-03			0.13E-01		0.51E-03			0.12E-01		0.25E-03
MAXIMUM		0.59E-01		0.22E-02			0.64E-01		0.21E-02			0.59E-01		0.21E-02
2STD.ERR		0.48E-02		0.17E-03			0.49E-02		0.18E-03			0.49E-02		0.22E-03

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. SAVE FOR COMPOSITE.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR COMPOSITED SAMPLES - PCI/M3

VERSION 1.0*
Page 30

0602 NORTHEAST PERIMETE - BERG RANCH, SAGEHILL MET TOWER, RINGOLD MET TOWER (PARTICULATE, FILTER-1)

OFF DATE COM	SR 90	RU 108	CS 137	U 234	U 235	U 238	PU 238	PU23940
01/07/87	< 0.31E-04 {0.34E-04}	< -.32E-02 {0.44E-02}	< 0.14E-03 {0.42E-03}	nra	nra	nra	< 0.00E+00 {0.00E+00}	< 0.00E+00 {0.00E+00}
02/04/87 1		< 0.68E-02 {0.73E-02}	< -.11E-02 {0.12E-02}					
03/04/87		0.44E-02 {0.38E-02}	< -.55E-03 {0.87E-03}					
04/01/87	0.49E-04 {0.34E-04}	< -.69E-02 {0.88E-02}	< 0.38E-04 {0.52E-03}				< 0.00E+00 {0.00E+00}	< 0.49E-06 {0.69E-06}
04/29/87		< -.46E-02 {0.83E-02}	< 0.35E-03 {0.82E-03}					
05/27/87		< 0.20E-02 {0.55E-02}	< 0.41E-03 {0.73E-03}					
06/24/87	0.45E-04 {0.34E-04}	< -.37E-02 {0.70E-02}	0.72E-03 {0.68E-03}				< -.11E-06 {0.00E+00}	< 0.42E-06 {0.97E-06}
08/05/87		< -.25E-02 {0.53E-02}	< -.19E-03 {0.50E-03}					
09/02/87		< 0.11E-02 {0.47E-02}	< -.46E-03 {0.78E-03}					
09/30/87 2	< -.42E-06 {0.37E-04}	< -.40E-02 {0.68E-02}	< -.42E-03 {0.10E-02}				< 0.15E-06 {0.49E-06}	< 0.26E-06 {0.98E-06}
10/28/87		0.65E-02 {0.43E-02}	< 0.62E-03 {0.67E-03}					
11/25/87		< 0.30E-02 {0.71E-02}	< -.13E-03 {0.87E-03}					
01/06/88	< 0.12E-04 {0.37E-04}	< -.25E-02 {0.43E-02}	< -.79E-04 {0.46E-03}				< 0.13E-06 {0.45E-06}	< 0.98E-08 {0.45E-06}
MEAN	0.27E-04	-.28E-03	-.50E-04				0.34E-07	0.24E-06
MINIMUM	-.42E-06	-.69E-02	-.11E-02				-.11E-06	0.00E+00
MAXIMUM	0.49E-04	0.68E-02	0.72E-03				0.15E-06	0.49E-06
2STD.ERR	0.25E-04	0.30E-02	0.35E-03				0.17E-06	0.37E-06

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 Comment for sample 0048 on 02/04/87
NO SAMPLE. INSUFFICIENT SAMPLE.
2 Comment for sample 1405 on 09/18/87
NO SAMPLE. SAVE FOR COMPOSITE.
Comment for sample 0047 on 09/18/87
NO SAMPLE. SAVE FOR COMPOSITE.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 31

8391 - WEST END OF FIR ROAD

8351 - PETTETT FARM

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/14/87		0.28E-01		0.43E-03	01/14/87		0.32E-01		0.10E-02					
		{0.45E-02}		{0.33E-03}			{0.47E-02}		{0.47E-03}					
01/28/87		0.44E-01		0.77E-03	01/28/87		0.53E-01		0.69E-03					
		{0.49E-02}		{0.42E-03}			{0.51E-02}		{0.39E-03}					
02/11/87		0.31E-01		0.60E-03	02/11/87		0.37E-01		0.62E-03					
		{0.46E-02}		{0.37E-03}			{0.48E-02}		{0.40E-03}					
02/25/87		0.19E-01		0.62E-03	02/25/87		0.21E-01		0.65E-03					
		{0.43E-02}		{0.38E-03}			{0.45E-02}		{0.38E-03}					
03/11/87		0.25E-01		0.10E-02	03/11/87		0.24E-01		0.58E-03					
		{0.45E-02}		{0.47E-03}			{0.47E-02}		{0.40E-03}					
03/25/87		0.83E-02		0.58E-03	03/25/87		0.15E-01		0.41E-03					
		{0.41E-02}		{0.37E-03}			{0.43E-02}		{0.34E-03}					
04/08/87		0.26E-01		0.14E-02	04/08/87		0.28E-01		0.15E-02					
		{0.45E-02}		{0.58E-03}			{0.46E-02}		{0.58E-03}					
04/22/87		0.13E-01		0.12E-02	04/22/87		0.16E-01		0.14E-02					
		{0.43E-02}		{0.51E-03}			{0.43E-02}		{0.54E-03}					
05/06/87		0.29E-01		0.12E-02	05/06/87		0.33E-01		0.12E-02					
		{0.46E-02}		{0.49E-03}			{0.47E-02}		{0.49E-03}					
05/20/87		0.33E-01		0.16E-02	05/20/87	2	NR		NR					
		{0.46E-02}		{0.59E-03}			{NR}		{NR}					
06/03/87		0.18E-01		0.62E-03	06/03/87		0.24E-01		0.14E-02					
		{0.43E-02}		{0.42E-03}			{0.46E-02}		{0.54E-03}					
06/17/87		0.34E-01		0.16E-02	06/17/87		0.36E-01		0.12E-02					
		{0.47E-02}		{0.56E-03}			{0.47E-02}		{0.52E-03}					
07/01/87		0.17E-01		0.56E-03	07/01/87		0.20E-01		0.34E-03					
		{0.14E-02}		{0.42E-03}			{0.15E-02}		{0.35E-03}					
07/15/87		0.10E-01		0.53E-03	07/15/87		0.13E-01		0.13E-02					
		{0.11E-02}		{0.39E-03}			{0.12E-02}		{0.52E-03}					
07/29/87	1	NR		NR	07/29/87		0.15E-01		0.47E-03					
		{NR}		{NR}			{0.14E-02}		{0.42E-03}					
08/12/87		0.15E-01		0.97E-03	08/12/87		0.15E-01		0.68E-03					
		{0.13E-02}		{0.53E-03}			{0.13E-02}		{0.45E-03}					
08/26/87		0.15E-01		0.96E-03	08/26/87		0.18E-01		0.96E-03					
		{0.14E-02}		{0.53E-03}			{0.15E-02}		{0.50E-03}					
09/09/87		0.21E-01		0.10E-02	09/09/87		0.21E-01		0.64E-03					
		{0.15E-02}		{0.50E-03}			{0.15E-02}		{0.41E-03}					
09/23/87		0.19E-01		0.12E-02	09/23/87		0.21E-01		0.10E-02					
		{0.14E-02}		{0.57E-03}			{0.15E-02}		{0.52E-03}					
10/07/87		0.29E-01		0.18E-02	10/07/87		0.26E-01		0.11E-02					
		{0.18E-02}		{0.62E-03}			{0.17E-02}		{0.52E-03}					
10/21/87		0.28E-01		0.15E-02	10/21/87		0.28E-01		0.71E-03					
		{0.17E-02}		{0.59E-03}			{0.17E-02}		{0.43E-03}					
11/04/87		0.53E-01		0.16E-02	11/04/87		0.51E-01		0.75E-03					
		{0.23E-02}		{0.63E-03}			{0.23E-02}		{0.47E-03}					
11/18/87		0.23E-01		0.56E-03	11/18/87		0.25E-01		0.56E-03					
		{0.16E-02}		{0.45E-03}			{0.16E-02}		{0.40E-03}					
12/02/87		0.23E-01		0.68E-03	12/02/87		0.26E-01		0.90E-03					
		{0.16E-02}		{0.45E-03}			{0.17E-02}		{0.50E-03}					

< - Result less than detection limit

{ } - Uncertainty for result.

NR - No result reported.

nra - Not routinely analyzed.

1 NO SAMPLE. POWER OFF.

2 NO SAMPLE. NOT ENOUGH HOURS. SAVE FOR COMPOSITE.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 32

6391 - WEST END OF FIR ROAD

6351 - PETTETT FARM

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
12/16/87		0.83E-02		< 0.16E-03	12/16/87		0.11E-01		< 0.18E-03					
		{0.10E-02}		{0.35E-03}			{0.12E-02}		{0.36E-03}					
12/30/87		0.44E-01		0.40E-03	12/30/87		0.41E-01		0.59E-03					
		{0.22E-02}		{0.29E-03}			{0.21E-02}		{0.32E-03}					
MEAN		0.24E-01		0.95E-03			0.28E-01		0.83E-03					
MINIMUM		0.83E-02		0.16E-03			0.11E-01		0.18E-03					
MAXIMUM		0.53E-01		0.18E-02			0.53E-01		0.15E-02					
2STD.ERR		0.45E-02		0.21E-03			0.45E-02		0.17E-03					

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. POWER OFF.
2 NO SAMPLE. NOT ENOUGH HOURS. SAVE FOR COMPOSITE.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR COMPOSITED SAMPLES - PCI/M3

VERSION 1.0*
Page 33

0603 EAST PERIMETER - WEST END OF FIR RO, PETTETT FARM (PARTICULATE, FILTER-1)

OFF DATE COM	SR 90	RU 108	CS 137	U 234	U 235	U 238	PU 238	PU23940
01/28/87		< -.53E-02 {0.89E-02}	0.13E-02 {0.12E-02}					
02/25/87		< 0.40E-02 {0.14E-01}	< 0.52E-03 {0.13E-02}					
03/25/87	0.98E-04 {0.51E-04}	< 0.22E-02 {0.10E-01}	< -.51E-03 {0.98E-03}	0.47E-04 {0.10E-04}	< 0.00E+00 {0.00E+00}	0.28E-04 {0.75E-05}	< 0.44E-06 {0.88E-06}	< 0.44E-06 {0.88E-06}
05/06/87		< -.45E-02 {0.69E-02}	< -.28E-03 {0.72E-03}					
06/03/87	1	< 0.17E-02 {0.13E-01}	< 0.00E+00 {0.14E-02}					
07/01/87	0.94E-04 {0.50E-04}	< -.28E-02 {0.11E-01}	< 0.71E-03 {0.10E-02}	0.48E-04 {0.10E-04}	< -.44E-05 {0.20E-05}	0.54E-04 {0.11E-04}	< 0.11E-05 {0.15E-05}	< 0.18E-05 {0.19E-05}
07/29/87	2	< -.55E-02 {0.12E-01}	< -.12E-02 {0.17E-02}					
08/28/87		0.15E-01 {0.89E-02}	< 0.74E-03 {0.14E-02}					
10/07/87	< 0.35E-04 {0.47E-04}	< 0.12E-02 {0.58E-02}	< -.54E-03 {0.88E-03}	0.53E-04 {0.12E-04}	< -.34E-06 {0.32E-05}	0.44E-03 {0.29E-04}	< 0.13E-05 {0.14E-05}	< 0.42E-08 {0.12E-05}
11/04/87		< 0.00E+00 {0.80E-02}	< 0.55E-04 {0.11E-02}					
12/02/87		0.14E-01 {0.79E-02}	< -.11E-02 {0.15E-02}					
12/30/87	< 0.23E-04 {0.74E-04}	< 0.24E-02 {0.94E-02}	< -.55E-04 {0.11E-02}	< 0.18E-04 {0.99E-05}	< -.59E-05 {0.12E-05}	< 0.15E-04 {0.88E-05}	< -.18E-06 {0.00E+00}	< 0.40E-08 {0.11E-05}
MEAN	0.62E-04	0.19E-02	-.27E-04	0.42E-04	-.27E-05	0.13E-03	0.67E-06	0.66E-06
MINIMUM	0.23E-04	-.55E-02	-.12E-02	0.18E-04	-.59E-05	0.15E-04	-.18E-06	0.42E-08
MAXIMUM	0.98E-04	0.15E-01	0.13E-02	0.53E-04	0.00E+00	0.44E-03	0.13E-05	0.18E-05
2STD.ERR	0.45E-04	0.49E-02	0.58E-03	0.18E-04	0.30E-05	0.21E-03	0.89E-06	0.11E-05

< - Result less than detection limit.

< - Result less than detection limit.

{ } - Uncertainty for result.

NR - No result reported.

nra - Not routinely analyzed.

1 Comment for sample 6351 on 05/20/87
NO SAMPLE. NOT ENOUGH HOURS. SAVE FOR COMPOSITE.

2 Comment for sample 6391 on 07/29/87
NO SAMPLE. POWER OFF.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 34

0247 - BYERS LANDING

0182 - RRC CP 04

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
-----	---	-----	---	-----	-----	---	-----	---	-----	-----	---	-----	---	-----
01/14/87		0.32E-01		0.84E-03	01/14/87		0.35E-01		0.85E-03					
		{0.47E-02}		{0.43E-03}			{0.46E-02}		{0.45E-03}					
01/28/87		0.51E-01		0.10E-02	01/28/87		0.49E-01		0.70E-03					
		{0.51E-02}		{0.47E-03}			{0.51E-02}		{0.39E-03}					
02/11/87		0.30E-01		0.76E-03	02/11/87		0.32E-01		0.33E-03					
		{0.47E-02}		{0.42E-03}			{0.46E-02}		{0.30E-03}					
02/25/87		0.21E-01		0.43E-03	02/25/87		0.20E-01		0.26E-03					
		{0.45E-02}		{0.35E-03}			{0.43E-02}		{0.27E-03}					
03/11/87		0.27E-01		0.45E-03	03/11/87		0.26E-01		0.87E-03					
		{0.45E-02}		{0.33E-03}			{0.46E-02}		{0.41E-03}					
03/25/87		0.10E-01		0.46E-03	03/25/87		0.14E-01		0.46E-03					
		{0.41E-02}		{0.37E-03}			{0.43E-02}		{0.33E-03}					
04/08/87		0.30E-01		0.70E-03	04/08/87		0.36E-01		0.96E-03					
		{0.46E-02}		{0.41E-03}			{0.47E-02}		{0.49E-03}					
04/22/87		0.19E-01		0.10E-02	04/22/87		0.16E-01		0.77E-03					
		{0.43E-02}		{0.48E-03}			{0.44E-02}		{0.42E-03}					
05/06/87		0.28E-01		0.95E-03	05/06/87		0.34E-01		0.96E-03					
		{0.45E-02}		{0.47E-03}			{0.47E-02}		{0.48E-03}					
05/20/87		0.30E-01		0.10E-02	05/20/87		0.30E-01		0.12E-02					
		{0.44E-02}		{0.43E-03}			{0.47E-02}		{0.51E-03}					
06/03/87		0.23E-01		0.87E-03	06/03/87		0.21E-01		0.96E-03					
		{0.44E-02}		{0.42E-03}			{0.44E-02}		{0.49E-03}					
06/17/87		0.27E-01		0.97E-03	06/17/87		0.31E-01		0.13E-02					
		{0.43E-02}		{0.46E-03}			{0.46E-02}		{0.52E-03}					
07/01/87		0.16E-01		0.44E-03	07/01/87		0.15E-01		0.42E-03					
		{0.14E-02}		{0.38E-03}			{0.13E-02}		{0.36E-03}					
07/15/87		0.11E-01		0.64E-03	07/15/87		0.13E-01		0.68E-03					
		{0.11E-02}		{0.42E-03}			{0.13E-02}		{0.47E-03}					
07/29/87		0.12E-01		0.45E-03	07/29/87		0.14E-01		0.61E-03					
		{0.13E-02}		{0.41E-03}			{0.13E-02}		{0.43E-03}					
08/12/87		0.13E-01		0.30E-03	08/12/87		0.13E-01		0.62E-03					
		{0.12E-02}		{0.36E-03}			{0.13E-02}		{0.48E-03}					
08/26/87	1	NR		NR	08/26/87		0.11E-01		0.84E-03					
		{NR}		{NR}			{0.15E-02}		{0.59E-03}					
09/09/87		0.20E-01		0.88E-03	09/09/87		0.22E-01		0.17E-02					
		{0.15E-02}		{0.49E-03}			{0.16E-02}		{0.62E-03}					
09/23/87		0.24E-01		0.90E-03	09/23/87		0.22E-01		0.55E-03					
		{0.16E-02}		{0.47E-03}			{0.16E-02}		{0.41E-03}					
10/07/87	2	NR		NR	10/07/87		0.23E-01		0.76E-03					
		{NR}		{NR}			{0.16E-02}		{0.46E-03}					
10/21/87		0.30E-01		0.19E-02	10/21/87		0.43E-01		0.22E-02					
		{0.18E-02}		{0.65E-03}			{0.26E-02}		{0.88E-03}					
11/04/87		0.32E-01		0.11E-02	11/04/87		0.54E-01		0.18E-02					
		{0.18E-02}		{0.54E-03}			{0.23E-02}		{0.64E-03}					
11/18/87		0.23E-01		0.12E-02	11/18/87		0.26E-01		0.82E-03					
		{0.16E-02}		{0.53E-03}			{0.18E-02}		{0.50E-03}					
12/02/87		0.26E-01		0.68E-03	12/02/87		0.16E-01		0.80E-03					
		{0.16E-02}		{0.45E-03}			{0.14E-02}		{0.45E-03}					

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. SAVE FOR COMPOSITE.
2 NO SAMPLE. FILTER CLOGGED.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 35

0247 - BYERS LANDING

6182 - RRC CP 84

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
12/18/87		0.10E-01		< 0.34E-03	12/18/87		0.10E-01		< 0.37E-03					
		{0.12E-02}		{0.37E-03}			{0.11E-02}		{0.37E-03}					
12/30/87		0.41E-01		0.34E-03	12/30/87		0.48E-01		0.40E-03					
		{0.21E-02}		{0.29E-03}			{0.22E-02}		{0.28E-03}					
MEAN		0.24E-01		0.78E-03			0.28E-01		0.85E-03					
MINIMUM		0.10E-01		0.30E-03			0.10E-01		0.26E-03					
MAXIMUM		0.51E-01		0.19E-02			0.54E-01		0.22E-02					
2STD.ERR		0.41E-02		0.17E-03			0.50E-02		0.21E-03					

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. SAVE FOR COMPOSITE.
2 NO SAMPLE. FILTER CLOGGED.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR COMPOSITED SAMPLES - PCI/M3

VERSION 1.0*
Page 38

0604 SOUTHEAST PERIMETE - BYERS LANDING, RRC CP 64 (PARTICULATE, FILTER-1)

OFF DATE COM	SR 90	RU 106	CS 137	U 234	U 235	U 238	PU 238	PU23940
-----	-----	-----	-----	-----	-----	-----	-----	-----
01/28/87		< -.11E-02 {0.94E-02}	< 0.33E-03 {0.88E-03}					
02/25/87		< -.22E-01 {0.15E-01}	< -.85E-03 {0.12E-02}					
03/25/87	0.84E-04 {0.48E-04}	< -.12E-02 {0.10E-01}	0.18E-02 {0.15E-02}	0.26E-04 {0.71E-05}	0.24E-05 {0.22E-05}	0.29E-04 {0.77E-05}	< 0.36E-06 {0.73E-06}	< 0.00E+00 {0.00E+00}
05/06/87		< -.44E-02 {0.59E-02}	< 0.21E-03 {0.62E-03}					
06/03/87		< -.33E-02 {0.84E-02}	< 0.81E-03 {0.10E-02}					
07/01/87	< 0.33E-04 {0.53E-04}	< -.86E-02 {0.13E-01}	< 0.38E-03 {0.78E-03}	0.33E-04 {0.84E-05}	< -.23E-05 {0.21E-05}	0.37E-04 {0.84E-05}	< 0.94E-06 {0.12E-05}	0.32E-05 {0.23E-05}
07/29/87		< 0.00E+00 {0.98E-02}	< -.86E-03 {0.18E-02}					
08/26/87	1	< 0.66E-02 {0.13E-01}	< 0.84E-03 {0.12E-02}					
10/07/87	< 0.16E-04 {0.46E-04}	< 0.43E-02 {0.64E-02}	< -.36E-03 {0.77E-03}	0.10E-03 {0.19E-04}	< -.50E-06 {0.43E-05}	0.22E-03 {0.27E-04}	0.25E-05 {0.22E-05}	0.23E-05 {0.22E-05}
11/04/87	2	< -.88E-02 {0.12E-01}	0.95E-03 {0.72E-03}					
12/02/87		0.14E-01 {0.80E-02}	< -.48E-03 {0.13E-02}					
12/30/87	< 0.17E-04 {0.70E-04}	< 0.84E-02 {0.88E-02}	< 0.19E-04 {0.12E-02}	< 0.13E-04 {0.93E-05}	< -.15E-05 {0.37E-05}	0.18E-04 {0.93E-05}	< -.12E-05 {0.15E-05}	< -.40E-06 {0.15E-05}
MEAN	0.37E-04	-.14E-02	0.21E-03	0.43E-04	-.48E-06	0.76E-04	0.65E-06	0.13E-05
MINIMUM	0.16E-04	-.22E-01	-.86E-03	0.13E-04	-.23E-05	0.18E-04	-.12E-05	-.40E-06
MAXIMUM	0.84E-04	0.14E-01	0.16E-02	0.10E-03	0.24E-05	0.22E-03	0.25E-05	0.32E-05
2STD.ERR	0.43E-04	0.62E-02	0.54E-03	0.44E-04	0.28E-05	0.99E-04	0.19E-05	0.20E-05

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 Comment for sample 0247 on 08/26/87
NO SAMPLE. SAVE FOR COMPOSITE.
2 Comment for sample 0247 on 10/07/87
NO SAMPLE. FILTER CLOGGED.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 37

0055 - PROSSER BARRICADE

0050 - HORN RAPIDS SUBSTA

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/19/87		0.48E-01 {0.50E-02}		0.78E-03 {0.41E-03}	01/19/87		0.41E-01 {0.48E-02}		nra					
02/02/87		0.58E-01 {0.52E-02}		0.12E-02 {0.50E-03}	02/02/87		0.53E-01 {0.50E-02}		nra					
02/17/87		0.41E-01 {0.46E-02}		0.77E-03 {0.40E-03}	02/17/87		0.43E-01 {0.46E-02}		nra					
03/02/87		0.26E-01 {0.49E-02}		0.10E-02 {0.50E-03}	03/02/87		0.23E-01 {0.47E-02}		nra					
03/16/87		0.17E-01 {0.44E-02}		0.59E-03 {0.38E-03}	03/16/87		0.18E-01 {0.44E-02}		nra					
03/30/87		0.11E-01 {0.42E-02}		0.53E-03 {0.35E-03}	03/30/87		0.20E-01 {0.44E-02}		nra					
04/13/87		0.22E-01 {0.47E-02}		0.86E-03 {0.45E-03}	04/13/87		0.22E-01 {0.45E-02}		nra					
04/27/87		0.25E-01 {0.44E-02}		0.16E-02 {0.56E-03}	04/27/87		0.25E-01 {0.44E-02}		nra					
05/11/87		0.32E-01 {0.46E-02}		0.12E-02 {0.51E-03}	05/11/87		0.39E-01 {0.48E-02}		nra					
05/26/87		0.20E-01 {0.67E-02}		0.11E-02 {0.61E-03}	05/26/87		0.25E-01 {0.42E-02}		nra					
06/08/87		0.23E-01 {0.48E-02}		0.91E-03 {0.48E-03}	06/08/87		0.19E-01 {0.46E-02}		nra					
06/22/87		0.15E-01 {0.14E-02}		0.68E-03 {0.47E-03}	06/22/87		0.14E-01 {0.13E-02}		nra					
07/07/87	1	NR {NR}		0.75E-03 {0.42E-03}	07/07/87		0.14E-01 {0.12E-02}		nra					
07/20/87		0.12E-01 {0.13E-02}		0.92E-03 {0.51E-03}	07/20/87		0.12E-01 {0.13E-02}		nra					
08/03/87		0.14E-01 {0.13E-02}		0.37E-03 {0.35E-03}	08/03/87		0.17E-01 {0.14E-02}		nra					
08/17/87		0.13E-01 {0.13E-02}		< 0.33E-03 {0.35E-03}	08/17/87		0.13E-01 {0.12E-02}		nra					
08/31/87		0.18E-01 {0.14E-02}		< 0.28E-03 {0.33E-03}	08/31/87		0.18E-01 {0.14E-02}		nra					
09/14/87		0.20E-01 {0.15E-02}		0.49E-03 {0.41E-03}	09/14/87		0.19E-01 {0.14E-02}		nra					
09/28/87		0.21E-01 {0.16E-02}		0.10E-02 {0.54E-03}	09/28/87		0.22E-01 {0.15E-02}		nra					
10/12/87		0.30E-01 {0.18E-02}		0.80E-03 {0.45E-03}	10/12/87		0.27E-01 {0.17E-02}		nra					
10/26/87		0.41E-01 {0.21E-02}		0.83E-03 {0.47E-03}	10/26/87		0.42E-01 {0.21E-02}		nra					
11/09/87		0.77E-01 {0.34E-02}		0.42E-02 {0.12E-02}	11/09/87		0.48E-01 {0.22E-02}		nra					
11/23/87		0.38E-01 {0.20E-02}		0.85E-03 {0.48E-03}	11/23/87		0.16E-01 {0.13E-02}		nra					
12/07/87		0.23E-01 {0.20E-02}		0.59E-03 {0.46E-03}	12/07/87		0.20E-01 {0.13E-02}		nra					
12/21/87		0.19E-01 {0.15E-02}		0.39E-03 {0.38E-03}	12/21/87		0.18E-01 {0.14E-02}		nra					

< - Result less than detection limit

{ } - Uncertainty for result.

NR - No result reported.

nra - Not routinely analyzed.

1 NO SAMPLE FOR BETA, COUNT FROM COUNT ROOM WAS BAD.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 38

0055 - PROSSER BARRICADE

0050 - HORN RAPIDS SUBSTA

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/04/88		0.64E-01 {0.25E-02}		0.90E-03 {0.39E-03}	01/04/88		0.61E-01 {0.25E-02}		nra					
MEAN		0.29E-01		0.92E-03			0.26E-01							
MINIMUM		0.11E-01		0.28E-03			0.12E-01							
MAXIMUM		0.77E-01		0.42E-02			0.61E-01							
2STD.ERR		0.69E-02		0.30E-03			0.54E-02							

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE FOR BETA, COUNT FROM COUNT ROOM WAS BAD.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR COMPOSITED SAMPLES - PCI/M3

VERSION 1.0*
Page 39

0606 PROSSER BARR COMP - PROSSER BARRICADE, HORN RAPIDS SUBSTA (PARTICULATE, FILTER-1)

OFF DATE COM	SR 90	RU 106	CS 137	U 234	U 235	U 238	PU 238	PU23940
-----	-----	-----	-----	-----	-----	-----	-----	-----
02/02/87		< -.12E-02 {0.10E-01}	0.14E-02 {0.91E-03}	nra	nra	nra		
03/02/87		< -.22E-02 {0.99E-02}	< -.13E-02 {0.15E-02}					
03/30/87	0.11E-03 {0.53E-04}	0.59E-02 {0.48E-02}	< 0.74E-03 {0.95E-03}				< 0.00E+00 {0.00E+00}	< 0.00E+00 {0.00E+00}
04/27/87		< -.57E-02 {0.13E-01}	< 0.20E-03 {0.14E-02}					
05/26/87		< -.26E-02 {0.10E-01}	< 0.00E+00 {0.10E-02}					
07/07/87	< 0.29E-04 {0.55E-04}	< 0.14E-02 {0.66E-02}	< -.98E-03 {0.10E-02}				< -.14E-06 {0.00E+00}	< 0.77E-06 {0.13E-05}
08/03/87	1	< 0.30E-02 {0.13E-01}	0.13E-02 {0.12E-02}					
08/31/87		< -.23E-01 {0.17E-01}	0.16E-02 {0.14E-02}					
09/28/87	< 0.31E-04 {0.57E-04}	< 0.43E-02 {0.71E-02}	< 0.39E-03 {0.79E-03}				< 0.24E-06 {0.81E-06}	< 0.41E-06 {0.11E-05}
10/26/87		< -.30E-02 {0.87E-02}	0.57E-03 {0.51E-03}					
12/07/87		< 0.39E-03 {0.82E-02}	< -.45E-04 {0.92E-03}					
01/04/88	< 0.23E-04 {0.59E-04}	< 0.24E-02 {0.10E-01}	< 0.11E-03 {0.11E-02}				< -.14E-06 {0.00E+00}	< -.33E-06 {0.00E+00}
MEAN	0.48E-04	-.17E-02	0.34E-03				-.11E-07	0.21E-06
MINIMUM	0.23E-04	-.23E-01	-.13E-02				-.14E-06	-.33E-06
MAXIMUM	0.11E-03	0.59E-02	0.16E-02				0.24E-06	0.77E-06
2STD.ERR	0.49E-04	0.53E-02	0.60E-03				0.27E-06	0.69E-06

< - Result less than detection limit.

{ } - Uncertainty for result.

NR - No result reported.

nra - Not routinely analyzed.

1 Comment for sample 0055 on 07/06/87

NO SAMPLE. COUNT FROM COUNT ROOM WAS BAD.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 40

00929 - ERC

0025 - ERC NO.2

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/19/87		0.38E-01 {0.47E-02}		nra			nra		nra					
02/02/87		0.38E-01 {0.47E-02}		nra			nra		nra					
02/17/87		0.33E-01 {0.47E-02}		nra			nra		nra					
03/02/87		0.21E-01 {0.47E-02}		nra			nra		nra					
03/16/87		0.15E-01 {0.43E-02}		nra			nra		nra					
03/30/87		0.17E-01 {0.43E-02}		nra			nra		nra					
04/13/87		0.18E-01 {0.44E-02}		nra			nra		nra					
04/27/87		0.24E-01 {0.46E-02}		nra			nra		nra					
05/11/87		0.32E-01 {0.47E-02}		nra			nra		nra					
05/26/87		0.21E-01 {0.41E-02}		nra			nra		nra					
06/08/87		0.22E-01 {0.47E-02}		nra			nra		nra					
06/22/87		0.14E-01 {0.13E-02}		nra			nra		nra					
07/07/87		0.16E-01 {0.13E-02}		nra			nra		nra					
07/20/87		0.11E-01 {0.12E-02}		nra			nra		nra					
08/03/87		0.14E-01 {0.13E-02}		nra			nra		nra					
08/17/87		0.11E-01 {0.12E-02}		nra			nra		nra					
08/31/87		0.16E-01 {0.14E-02}		nra			nra		nra					
09/14/87		0.19E-01 {0.14E-02}		nra			nra		nra					
09/28/87		0.20E-01 {0.14E-02}		nra			nra		nra					
10/12/87		0.25E-01 {0.18E-02}		nra			nra		nra					
10/26/87		0.31E-01 {0.18E-02}		nra			nra		nra					
11/09/87		0.45E-01 {0.21E-02}		nra			nra		nra					
11/23/87		0.15E-01 {0.13E-02}		nra			nra		nra					
12/07/87		0.19E-01 {0.14E-02}		nra			nra		nra					
12/21/87		0.15E-01 {0.13E-02}		nra			nra		nra					

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 41

0929 - ERC

0025 - ERC NO.2

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/04/88		0.50E-01 {0.22E-02}		nra			nra		nra					
MEAN		0.23E-01												
MINIMUM		0.11E-01												
MAXIMUM		0.50E-01												
2STD.ERR		0.42E-02												

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 42

0972 - RATTLESNAKE SPRINGS

1050 - YAKIMA BARRICADE

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/19/87		0.52E-01		nra	01/19/87		0.42E-01		0.74E-03					
		{0.57E-02}					{0.51E-02}		{0.42E-03}					
02/02/87		0.61E-01		nra	02/02/87		0.53E-01		0.22E-02					
		{0.52E-02}					{0.51E-02}		{0.67E-03}					
02/17/87		0.39E-01		nra	02/17/87		0.48E-01		0.92E-03					
		{0.45E-02}					{0.47E-02}		{0.43E-03}					
03/02/87		0.18E-01		nra	03/02/87		0.21E-01		0.59E-03					
		{0.48E-02}					{0.48E-02}		{0.38E-03}					
03/16/87		0.19E-01		nra	03/16/87		0.16E-01		0.48E-03					
		{0.44E-02}					{0.43E-02}		{0.31E-03}					
03/30/87		0.17E-01		nra	03/30/87		0.17E-01		0.31E-03					
		{0.43E-02}					{0.43E-02}		{0.31E-03}					
04/13/87		0.22E-01		nra	04/13/87		0.24E-01		0.18E-02					
		{0.45E-02}					{0.46E-02}		{0.59E-03}					
04/27/87		0.21E-01		nra	04/27/87		0.25E-01		0.12E-02					
		{0.43E-02}					{0.45E-02}		{0.51E-03}					
05/11/87		0.38E-01		nra	05/11/87		0.35E-01		0.14E-02					
		{0.49E-02}					{0.47E-02}		{0.55E-03}					
05/26/87		0.19E-01		nra	05/26/87		0.23E-01		0.12E-02					
		{0.40E-02}					{0.85E-02}		{0.86E-03}					
06/08/87		0.20E-01		nra	06/08/87		0.19E-01		0.12E-02					
		{0.48E-02}					{0.47E-02}		{0.54E-03}					
06/22/87		0.12E-01		nra	06/22/87		0.13E-01		0.13E-02					
		{0.12E-02}					{0.12E-02}		{0.54E-03}					
07/07/87		0.15E-01		nra	07/07/87		0.14E-01		0.64E-03					
		{0.13E-02}					{0.12E-02}		{0.43E-03}					
07/20/87		0.10E-01		nra	07/20/87		0.11E-01		0.53E-03					
		{0.12E-02}					{0.12E-02}		{0.44E-03}					
08/03/87		0.18E-01		nra	08/03/87		0.14E-01		< 0.27E-03					
		{0.13E-02}					{0.13E-02}		{0.32E-03}					
08/17/87		0.14E-01		nra	08/17/87		0.12E-01		0.42E-03					
		{0.13E-02}					{0.12E-02}		{0.40E-03}					
08/31/87		0.19E-01		nra	08/31/87		0.23E-01		< 0.48E-03					
		{0.15E-02}					{0.20E-02}		{0.53E-03}					
09/15/87		0.19E-01		nra	09/15/87		0.17E-01		0.51E-03					
		{0.14E-02}					{0.14E-02}		{0.43E-03}					
09/28/87		0.19E-01		nra	09/28/87		0.19E-01		0.91E-03					
		{0.14E-02}					{0.15E-02}		{0.49E-03}					
10/12/87		0.24E-01		nra	10/12/87		0.25E-01		0.12E-02					
		{0.16E-02}					{0.16E-02}		{0.53E-03}					
10/26/87	1	NR		nra	10/26/87		0.31E-01		0.11E-02					
		{NR}					{0.18E-02}		{0.52E-03}					
11/09/87		0.47E-01		nra	11/09/87		0.47E-01		0.19E-02					
		{0.22E-02}					{0.22E-02}		{0.66E-03}					
11/23/87		0.18E-01		nra	11/23/87		0.17E-01		0.78E-03					
		{0.14E-02}					{0.13E-02}		{0.44E-03}					
12/07/87		0.26E-01		nra	12/07/87		0.20E-01		0.12E-02					
		{0.17E-02}					{0.15E-02}		{0.54E-03}					
12/21/87		0.22E-01		nra	12/21/87		0.16E-01		< 0.19E-03					
		{0.16E-02}					{0.14E-02}		{0.36E-03}					

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. NOT ENOUGH HOURS.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 43

0972 - RATTLESNAKE SPRINGS

1650 - YAKIMA BARRICADE

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/04/88		0.70E-01 {0.27E-02}		nra	01/04/88		0.63E-01 {0.25E-02}		0.72E-03 {0.34E-03}					
MEAN		0.26E-01					0.26E-01		0.92E-03					
MINIMUM		0.10E-01					0.11E-01		0.19E-03					
MAXIMUM		0.70E-01					0.63E-01		0.22E-02					
2STD.ERR		0.63E-02					0.55E-02		0.22E-03					

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. NOT ENOUGH HOURS.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR COMPOSITED SAMPLES - PCI/M3

VERSION 1.0*
Page 44

0007 WEST PERIMETER - RATTLESNAKE SPRING, YAKIMA BARRICADE (PARTICULATE, FILTER-1)

OFF DATE COM	SR 90	RU 106	CS 137	U 234	U 235	U 238	PU 238	PU23940
02/02/87		< 0.25E-02 {0.11E-01}	< 0.00E+00 {0.97E-03}	nra	nra	nra		
03/02/87		< 0.45E-02 {0.12E-01}	< 0.78E-03 {0.14E-02}					
03/30/87	0.10E-03 {0.51E-04}	< -.38E-02 {0.11E-01}	< 0.82E-03 {0.10E-02}				< 0.46E-06 {0.92E-06}	< 0.46E-06 {0.91E-06}
04/27/87		< -.12E-01 {0.14E-01}	< -.99E-03 {0.11E-02}					
05/26/87		< -.91E-02 {0.14E-01}	< 0.15E-03 {0.13E-02}					
07/07/87	< 0.59E-04 {0.54E-04}	< 0.34E-02 {0.55E-02}	0.82E-03 {0.74E-03}				< -.14E-06 {0.91E-06}	< 0.31E-06 {0.91E-06}
08/03/87		< -.15E-02 {0.10E-01}	< 0.86E-03 {0.94E-03}					
08/31/87		< 0.59E-02 {0.88E-02}	< 0.62E-04 {0.84E-03}					
09/28/87	< 0.66E-05 {0.48E-04}	< 0.27E-02 {0.81E-02}	< 0.94E-03 {0.11E-02}				< 0.75E-06 {0.13E-05}	< 0.61E-07 {0.92E-06}
10/26/87 1		< -.89E-02 {0.11E-01}	0.13E-02 {0.89E-03}					
12/07/87		< -.50E-02 {0.87E-02}	< -.41E-03 {0.10E-02}					
01/04/88	< 0.17E-04 {0.44E-04}	< -.49E-02 {0.71E-02}	< 0.25E-03 {0.94E-03}				< -.15E-06 {0.00E+00}	0.27E-05 {0.22E-05}
MEAN	0.47E-04	-.20E-02	0.38E-03				0.23E-06	0.89E-06
MINIMUM	0.66E-05	-.12E-01	-.99E-03				-.15E-06	0.61E-07
MAXIMUM	0.10E-03	0.59E-02	0.13E-02				0.75E-06	0.27E-05
2STD.ERR	0.54E-04	0.45E-02	0.48E-03				0.63E-06	0.15E-05

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 Comment for sample 0972 on 10/26/87
NO SAMPLE. NOT ENOUGH HOURS.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 45

1651 - VERNITA BRIDGE S END

1651 - WAHLUKE SLOPE NO.2

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/12/87		0.32E-01		nra	01/12/87		0.31E-01		0.60E-03					
		{0.47E-02}					{0.46E-02}		{0.42E-03}					
01/26/87		0.56E-01		nra	01/26/87		0.57E-01		0.11E-02					
		{0.52E-02}					{0.52E-02}		{0.48E-03}					
02/09/87		0.24E-01		nra	02/09/87		0.25E-01		0.40E-03					
		{0.46E-02}					{0.44E-02}		{0.33E-03}					
02/23/87		0.35E-01		nra	02/23/87		0.34E-01		0.99E-03					
		{0.48E-02}					{0.47E-02}		{0.44E-03}					
03/09/87		0.26E-01		nra	03/09/87		0.27E-01		0.84E-03					
		{0.45E-02}					{0.46E-02}		{0.43E-03}					
03/23/87		0.11E-01		nra	03/23/87		0.16E-01		0.33E-03					
		{0.41E-02}					{0.43E-02}		{0.28E-03}					
04/06/87		0.30E-01		nra	04/06/87		0.28E-01		0.72E-03					
		{0.47E-02}					{0.45E-02}		{0.39E-03}					
04/20/87		0.15E-01		nra	04/20/87		0.17E-01		0.13E-02					
		{0.43E-02}					{0.82E-02}		{0.82E-03}					
05/04/87		0.33E-01		nra	05/04/87		0.38E-01		0.16E-02					
		{0.47E-02}					{0.48E-02}		{0.57E-03}					
05/18/87		0.32E-01		nra	05/18/87		0.33E-01		0.13E-02					
		{0.47E-02}					{0.46E-02}		{0.53E-03}					
06/01/87		0.22E-01		nra	06/01/87		0.23E-01		0.16E-02					
		{0.45E-02}					{0.44E-02}		{0.57E-03}					
06/15/87		0.30E-01		nra	06/15/87		0.26E-01		0.91E-03					
		{0.46E-02}					{0.45E-02}		{0.43E-03}					
06/29/87		0.13E-01		nra	06/29/87		0.12E-01		< 0.60E-04					
		{0.12E-02}					{0.12E-02}		{0.33E-03}					
07/13/87		0.12E-01		nra	07/13/87		0.12E-01		0.53E-03					
		{0.11E-02}					{0.12E-02}		{0.37E-03}					
07/27/87		0.11E-01		nra	07/27/87		0.12E-01		0.49E-03					
		{0.12E-02}					{0.12E-02}		{0.41E-03}					
08/10/87		0.11E-01		nra	08/10/87		0.13E-01		0.52E-03					
		{0.12E-02}					{0.12E-02}		{0.42E-03}					
08/24/87		0.98E-02		nra	08/24/87		0.13E-01		0.85E-03					
		{0.11E-02}					{0.12E-02}		{0.49E-03}					
09/08/87		0.18E-01		nra	09/08/87		0.19E-01		0.64E-03					
		{0.14E-02}					{0.14E-02}		{0.42E-03}					
09/21/87		0.17E-01		nra	09/21/87		0.17E-01		0.71E-03					
		{0.15E-02}					{0.15E-02}		{0.51E-03}					
10/05/87		0.24E-01		nra	10/05/87		0.26E-01		0.14E-02					
		{0.16E-02}					{0.17E-02}		{0.57E-03}					
10/19/87		0.27E-01		nra	10/19/87		0.25E-01		0.11E-02					
		{0.17E-02}					{0.16E-02}		{0.52E-03}					
11/02/87		0.51E-01		nra	11/02/87		0.50E-01		0.19E-02					
		{0.23E-02}					{0.23E-02}		{0.67E-03}					
11/16/87		0.29E-01		nra	11/16/87		0.27E-01		0.19E-02					
		{0.18E-02}					{0.17E-02}		{0.66E-03}					
11/16/87		0.29E-01		nra	11/16/87		0.27E-01		0.19E-02					
		{0.18E-02}					{0.17E-02}		{0.66E-03}					
11/30/87		0.19E-01		nra	11/30/87		0.23E-01		0.99E-03					
		{0.15E-02}					{0.16E-02}		{0.49E-03}					

< - Result less than detection limit

{ } - Uncertainty for result.

NR - No result reported.

nra - Not routinely analyzed.

1 NO SAMPLE.

2 NO SAMPLE. NEW PARTICLE FILTER INSTALLED.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 48

1651 - VERNITA BRIDGE S END

1551 - WAHLUKE SLOPE NO.2

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
12/14/87		0.15E-01		nra	12/14/87	1	NR		NR					
		{0.13E-02}					{NR}		{NR}					
12/28/87		0.33E-01		nra	12/28/87	2	NR		NR					
		{0.19E-02}					{NR}		{NR}					
MEAN		0.24E-01					0.25E-01		0.95E-03					
MINIMUM		0.98E-02					0.12E-01		0.60E-04					
MAXIMUM		0.58E-01					0.57E-01		0.19E-02					
2STD.ERR		0.48E-02					0.48E-02		0.23E-03					

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE.
2 NO SAMPLE. NEW PARTICLE FILTER INSTALLED.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR COMPOSITED SAMPLES - PCI/M3

VERSION 1.0*
Page 47

0608 NORTHWEST PERIMETE - VERNITA BRIDGE S E, WAHLUKE SLOPE NO.2 (PARTICULATE, FILTER-1)

OFF DATE COM	SR 90	RU 106	CS 137	U 234	U 235	U 238	PU 238	PU23940
-----	-----	-----	-----	-----	-----	-----	-----	-----
01/28/87		< -.58E-03 {0.12E-01}	< 0.59E-03 {0.97E-03}	nra	nra	nra		
02/23/87		0.10E-01 {0.85E-02}	< -.61E-03 {0.10E-02}					
04/06/87	0.69E-04 {0.44E-04}	< -.60E-02 {0.79E-02}	0.62E-03 {0.61E-03}				< 0.00E+00 {0.00E+00}	< 0.00E+00 {0.00E+00}
05/04/87		< -.22E-02 {0.87E-02}	< 0.82E-03 {0.99E-03}					
06/01/87		< 0.00E+00 {0.12E-01}	< 0.22E-03 {0.99E-03}					
06/29/87	< 0.32E-04 {0.54E-04}	< 0.92E-02 {0.12E-01}	< -.33E-03 {0.13E-02}				< -.17E-06 {0.00E+00}	< 0.73E-06 {0.13E-05}
07/27/87		< 0.88E-02 {0.11E-01}	< 0.13E-03 {0.15E-02}					
09/08/87		< 0.40E-02 {0.49E-02}	< -.21E-03 {0.82E-03}					
10/05/87	< 0.68E-05 {0.41E-04}	< -.11E-02 {0.10E-01}	< 0.72E-03 {0.11E-02}				< 0.10E-05 {0.13E-05}	< -.33E-06 {0.00E+00}
11/02/87		< 0.34E-02 {0.75E-02}	0.79E-03 {0.60E-03}					
11/30/87		< -.34E-02 {0.13E-01}	< -.19E-02 {0.18E-02}					
12/28/87	1 < 0.18E-05 {0.40E-05}	< 0.55E-03 {0.91E-02}	< 0.78E-03 {0.10E-02}				< -.71E-06 {0.11E-05}	< -.44E-06 {0.00E+00}
MEAN	0.27E-04	0.19E-02	0.14E-03				0.29E-07	-.95E-08
MINIMUM	0.18E-05	-.60E-02	-.19E-02				-.71E-06	-.44E-06
MAXIMUM	0.69E-04	0.10E-01	0.82E-03				0.10E-05	0.73E-06
2STD.ERR	0.38E-04	0.42E-02	0.57E-03				0.93E-06	0.66E-06

< - Result less than detection limit.
< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 Comment for sample 1551 on 12/28/87
NO SAMPLE. NEW PARTICLE FILTER INSTALLED.
Comment for sample 1551 on 12/14/87
NO SAMPLE.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 48

1852 - OTHELLO

1853 - CONNELL

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/07/87		0.19E-01		nra	01/07/87		0.24E-01		nra					
		{0.41E-02}					{0.41E-02}							
01/21/87		0.51E-01		nra	01/21/87		0.49E-01		nra					
		{0.51E-02}					{0.50E-02}							
02/04/87		0.39E-01		nra	02/04/87		0.34E-01		nra					
		{0.48E-02}					{0.47E-02}							
02/18/87		0.32E-01		nra	02/18/87		0.38E-01		nra					
		{0.47E-02}					{0.48E-02}							
03/04/87		0.28E-01		nra	03/04/87		0.25E-01		nra					
		{0.78E-02}					{0.45E-02}							
03/18/87		0.15E-01		nra	03/18/87		0.18E-01		nra					
		{0.42E-02}					{0.43E-02}							
04/01/87		0.30E-01		nra	04/01/87		0.28E-01		nra					
		{0.47E-02}					{0.45E-02}							
04/15/87		0.23E-01		nra	04/15/87		0.13E-01		nra					
		{0.44E-02}					{0.42E-02}							
04/29/87		0.38E-01		nra	04/29/87		0.32E-01		nra					
		{0.48E-02}					{0.48E-02}							
05/13/87		0.32E-01		nra	05/13/87		0.30E-01		nra					
		{0.47E-02}					{0.48E-02}							
05/27/87		0.28E-01		nra	05/27/87		0.27E-01		nra					
		{0.45E-02}					{0.48E-02}							
06/10/87		0.29E-01		nra	06/10/87		0.24E-01		nra					
		{0.48E-02}					{0.44E-02}							
06/24/87		0.14E-01		nra	06/24/87		0.18E-01		nra					
		{0.13E-02}					{0.14E-02}							
07/08/87		0.18E-01		nra	07/08/87		0.17E-01		nra					
		{0.14E-02}					{0.14E-02}							
07/22/87		0.12E-01		nra	07/22/87		0.13E-01		nra					
		{0.12E-02}					{0.12E-02}							
08/05/87		0.15E-01		nra	08/05/87		0.15E-01		nra					
		{0.13E-02}					{0.13E-02}							
08/19/87		0.13E-01		nra	08/19/87		0.14E-01		nra					
		{0.13E-02}					{0.13E-02}							
09/02/87		0.19E-01		nra	09/02/87		0.23E-01		nra					
		{0.15E-02}					{0.18E-02}							
09/16/87		0.15E-01		nra	09/16/87		0.19E-01		nra					
		{0.13E-02}					{0.15E-02}							
09/30/87		0.18E-01		nra	09/30/87		0.24E-01		nra					
		{0.19E-02}					{0.18E-02}							
10/14/87		0.31E-01		nra	10/14/87		0.34E-01		nra					
		{0.18E-02}					{0.19E-02}							
10/28/87		0.33E-01		nra	10/28/87		0.33E-01		nra					
		{0.19E-02}					{0.19E-02}							
11/11/87		0.49E-01		nra	11/11/87		0.49E-01		nra					
		{0.21E-02}					{0.22E-02}							
11/25/87		0.84E-02		nra	11/25/87		0.18E-01		nra					
		{0.11E-02}					{0.14E-02}							
12/09/87		0.23E-01		nra	12/09/87		0.25E-01		nra					
		{0.18E-02}					{0.18E-02}							

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 49

1652 - OTHELLO

1653 - CONNELL

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
12/23/87		0.21E-01 {0.15E-02}		nra	12/23/87		0.24E-01 {0.14E-02}		nra					
01/08/88		0.57E-01 {0.24E-02}		nra	01/08/88		0.58E-01 {0.25E-02}		nra					
MEAN		0.26E-01					0.27E-01							
MINIMUM		0.84E-02					0.13E-01							
MAXIMUM		0.57E-01					0.58E-01							
2STD.ERR		0.49E-02					0.45E-02							

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR COMPOSITED SAMPLES - PCI/M3

VERSION 1.0*
Page 50

0609 NE COMMUNITIES - OTHELLO, CONNELL (PARTICULATE, FILTER-1)

OFF DATE COM	SR 90	RU 106	CS 137	U 234	U 235	U 238	PU 238	PU23940
-----	-----	-----	-----	-----	-----	-----	-----	-----
01/07/87	0.59E-04 {0.40E-04}	< -.68E-02 {0.78E-02}	< -.30E-03 {0.64E-03}	nra	nra	nra	< 0.00E+00 {0.00E+00}	< 0.00E+00 {0.93E-06}
02/04/87		< 0.00E+00 {0.11E-01}	< 0.10E-02 {0.14E-02}					
03/04/87		< -.12E-01 {0.17E-01}	0.11E-02 {0.86E-03}					
04/01/87	0.11E-03 {0.51E-04}	< -.73E-02 {0.12E-01}	< 0.13E-03 {0.12E-02}				< 0.00E+00 {0.00E+00}	< 0.44E-06 {0.88E-06}
04/29/87		< -.10E-01 {0.93E-02}	< -.98E-03 {0.11E-02}					
05/27/87		< -.51E-02 {0.13E-01}	< 0.51E-03 {0.94E-03}					
06/24/87	< 0.71E-05 {0.11E-03}	< -.45E-02 {0.85E-02}	< 0.51E-03 {0.51E-03}				< -.16E-06 {0.00E+00}	< 0.11E-06 {0.98E-06}
08/05/87		< -.29E-02 {0.82E-02}	< 0.15E-03 {0.66E-03}					
09/02/87		< -.24E-01 {0.16E-01}	< -.20E-03 {0.17E-02}					
09/30/87	< 0.17E-04 {0.46E-04}	< 0.19E-02 {0.87E-02}	0.13E-02 {0.85E-03}				< 0.32E-06 {0.92E-06}	< 0.15E-05 {0.23E-05}
10/28/87		< -.18E-01 {0.12E-01}	< -.11E-03 {0.10E-02}					
11/25/87		< 0.19E-02 {0.84E-02}	< -.32E-03 {0.83E-03}					
01/06/88	< 0.54E-04 {0.51E-04}	< -.14E-02 {0.76E-02}	< 0.28E-03 {0.90E-03}				< -.13E-06 {0.00E+00}	< 0.14E-06 {0.92E-06}
-----	-----	-----	-----	-----	-----	-----	-----	-----
MEAN	0.49E-04	-.68E-02	0.24E-03				0.42E-06	0.44E-06
MINIMUM	0.71E-05	-.24E-01	-.98E-03				-.16E-06	0.00E+00
MAXIMUM	0.11E-03	0.19E-02	0.13E-02				0.32E-06	0.15E-05
2STD.ERR	0.47E-04	0.53E-02	0.46E-03				0.26E-06	0.82E-06

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 51

1654 - PASCO

0054 - RICHLAND 700 AREA

1655 - KENNEWICK-ELY STREET

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/14/87		0.30E-01 {0.46E-02}		nra	01/14/87		0.29E-01 {0.44E-02}		0.57E-03 {0.38E-03}	01/14/87		0.25E-01 {0.44E-02}		nra
01/28/87		0.54E-01 {0.52E-02}		nra	01/28/87		0.56E-01 {0.52E-02}		0.14E-02 {0.54E-03}	01/28/87		0.48E-01 {0.50E-02}		nra
02/11/87		0.31E-01 {0.46E-02}		nra	02/11/87		0.21E-01 {0.45E-02}		0.61E-03 {0.39E-03}	02/11/87		0.20E-01 {0.44E-02}		nra
02/25/87		0.22E-01 {0.44E-02}		nra	02/25/87		0.18E-01 {0.44E-02}		0.79E-03 {0.40E-03}	02/25/87		0.17E-01 {0.44E-02}		nra
03/11/87		0.28E-01 {0.46E-02}		nra	03/11/87		0.24E-01 {0.45E-02}		0.50E-03 {0.34E-03}	03/11/87		0.26E-01 {0.46E-02}		nra
03/25/87		0.16E-01 {0.44E-02}		nra	03/25/87		0.11E-01 {0.41E-02}		0.79E-03 {0.43E-03}	03/25/87		0.74E-02 {0.40E-02}		nra
04/08/87		0.32E-01 {0.47E-02}		nra	04/08/87	2	0.76E-01 {0.15E-01}		0.35E-02 {0.16E-02}	04/08/87		0.27E-01 {0.43E-02}		nra
04/22/87		0.18E-01 {0.44E-02}		nra	04/22/87		0.22E-01 {0.44E-02}		0.99E-03 {0.47E-03}	04/22/87		0.18E-01 {0.42E-02}		nra
05/06/87		0.34E-01 {0.48E-02}		nra	05/06/87		0.36E-01 {0.47E-02}		0.11E-02 {0.51E-03}	05/06/87		0.29E-01 {0.46E-02}		nra
05/20/87		0.26E-01 {0.46E-02}		nra	05/20/87		0.35E-01 {0.47E-02}		0.72E-03 {0.39E-03}	05/20/87		0.35E-01 {0.47E-02}		nra
06/03/87		0.26E-01 {0.45E-02}		nra	06/03/87		0.19E-01 {0.43E-02}		0.65E-03 {0.38E-03}	06/03/87		0.23E-01 {0.43E-02}		nra
06/17/87		0.25E-01 {0.45E-02}		nra	06/17/87		0.35E-01 {0.47E-02}		0.13E-02 {0.51E-03}	06/17/87		0.32E-01 {0.46E-02}		nra
07/01/87		0.16E-01 {0.14E-02}		nra	07/01/87		0.18E-01 {0.14E-02}		< 0.20E-03 {0.37E-03}	07/01/87		0.16E-01 {0.14E-02}		nra
07/15/87	1	NR {NR}		nra	07/15/87		0.12E-01 {0.12E-02}		0.95E-03 {0.48E-03}	07/15/87		0.10E-01 {0.10E-02}		nra
07/29/87		0.13E-01 {0.13E-02}		nra	07/29/87		0.15E-01 {0.13E-02}		0.12E-02 {0.54E-03}	07/29/87		0.15E-01 {0.13E-02}		nra
08/12/87		0.15E-01 {0.13E-02}		nra	08/12/87		0.15E-01 {0.13E-02}		0.42E-03 {0.40E-03}	08/12/87		0.12E-01 {0.12E-02}		nra
08/26/87		0.16E-01 {0.14E-02}		nra	08/26/87		0.15E-01 {0.13E-02}		0.79E-03 {0.46E-03}	08/26/87		0.14E-01 {0.13E-02}		nra
09/09/87		0.21E-01 {0.15E-02}		nra	09/09/87		0.26E-01 {0.17E-02}		0.15E-02 {0.61E-03}	09/09/87		0.20E-01 {0.15E-02}		nra
09/23/87		0.21E-01 {0.15E-02}		nra	09/23/87		0.26E-01 {0.16E-02}		0.12E-02 {0.56E-03}	09/23/87		0.20E-01 {0.15E-02}		nra
10/07/87		0.25E-01 {0.16E-02}		nra	10/07/87		0.26E-01 {0.17E-02}		0.13E-02 {0.56E-03}	10/07/87		0.28E-01 {0.17E-02}		nra
10/21/87		0.30E-01 {0.18E-02}		nra	10/21/87		0.32E-01 {0.19E-02}		0.11E-02 {0.52E-03}	10/21/87		0.29E-01 {0.18E-02}		nra
11/04/87		0.52E-01 {0.23E-02}		nra	11/04/87		0.55E-01 {0.23E-02}		0.17E-02 {0.64E-03}	11/04/87		0.43E-01 {0.20E-02}		nra
11/18/87		0.23E-01 {0.15E-02}		nra	11/18/87		0.27E-01 {0.17E-02}		0.11E-02 {0.55E-03}	11/18/87		0.23E-01 {0.18E-02}		nra
11/18/87		0.23E-01 {0.15E-02}		nra	11/18/87		0.27E-01 {0.17E-02}		0.11E-02 {0.55E-03}	11/18/87		0.23E-01 {0.18E-02}		nra
12/02/87		0.23E-01 {0.16E-02}		nra	12/02/87		0.20E-01 {0.15E-02}		0.56E-03 {0.40E-03}	12/02/87		0.18E-01 {0.14E-02}		nra

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. SAVE FOR COMPOSITE.
2 NO SAMPLE.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 52

1654 - PASCO

OFF DATE	COM	BETA	COM	ALPHA
12/16/87		0.13E-01 {0.12E-02}		nra
12/30/87		0.43E-01 {0.21E-02}		nra
MEAN		0.26E-01		
MINIMUM		0.13E-01		
MAXIMUM		0.54E-01		
2STD.ERR		0.44E-02		

0054 - RICHLAND 700 AREA

OFF DATE	COM	BETA	COM	ALPHA
12/16/87		0.90E-02 {0.11E-02}		< 0.25E-03 {0.35E-03}
12/30/87		0.43E-01 {0.21E-02}		0.52E-03 {0.31E-03}
MEAN		0.28E-01		0.99E-03
MINIMUM		0.90E-02		0.20E-03
MAXIMUM		0.78E-01		0.35E-02
2STD.ERR		0.62E-02		0.27E-03

1655 - KENNEWICK-ELY STREET

OFF DATE	COM	BETA	COM	ALPHA
12/16/87		0.11E-01 {0.12E-02}		nra
12/30/87		0.34E-01 {0.20E-02}		nra
MEAN		0.23E-01		
MINIMUM		0.74E-02		
MAXIMUM		0.48E-01		
2STD.ERR		0.40E-02		

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. SAVE FOR COMPOSITE.
2 NO SAMPLE.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR COMPOSITED SAMPLES - PCI/M3

VERSION 1.0*
Page 53

0610 TRI CITY - PASCO, RICHLAND 700 AREA, KENNEWICK-ELY STRE (PARTICULATE, FILTER-1)

OFF DATE COM	SR 90	RU 106	CS 137	U 234	U 235	U 238	PU 238	PU23940
01/28/87		< -.87E-02 {0.90E-02}	< 0.26E-03 {0.52E-03}	nra	nra	nra		
02/25/87		< -.76E-02 {0.61E-02}	< 0.34E-03 {0.60E-03}					
03/25/87	0.66E-04 {0.30E-04}	< 0.30E-02 {0.52E-02}	< 0.19E-03 {0.56E-03}				< 0.25E-06 {0.50E-06}	< -.25E-06 {0.50E-06}
05/06/87	1	0.54E-02 {0.34E-02}	< -.28E-03 {0.59E-03}					
06/03/87		0.86E-02 {0.67E-02}	< -.91E-03 {0.10E-02}					
07/01/87	< 0.32E-05 {0.47E-04}	0.10E-01 {0.58E-02}	< -.11E-02 {0.12E-02}				< -.95E-07 {0.97E-06}	< 0.80E-06 {0.12E-05}
07/29/87	2	< -.19E-02 {0.73E-02}	< -.51E-03 {0.93E-03}					
08/26/87		< 0.43E-02 {0.56E-02}	0.80E-03 {0.70E-03}					
10/07/87	< 0.25E-04 {0.31E-04}	< 0.32E-02 {0.34E-02}	< -.22E-03 {0.46E-03}				< -.96E-07 {0.00E+00}	< 0.42E-06 {0.96E-06}
11/04/87		< 0.50E-02 {0.63E-02}	< 0.29E-03 {0.68E-03}					
12/02/87		< 0.64E-02 {0.80E-02}	0.78E-03 {0.74E-03}					
12/30/87	< 0.10E-04 {0.33E-04}	< 0.00E+00 {0.65E-02}	< -.35E-03 {0.99E-03}				< -.11E-06 {0.00E+00}	< -.53E-06 {0.54E-06}
MEAN	0.26E-04	0.23E-02	-.61E-04				-.12E-07	0.11E-06
MINIMUM	0.32E-05	-.87E-02	-.11E-02				-.11E-06	-.53E-06
MAXIMUM	0.66E-04	0.10E-01	0.80E-03				0.25E-06	0.80E-06
2STD.ERR	0.35E-04	0.39E-02	0.42E-03				0.32E-06	0.77E-06

< - Result less than detection limit.

< - Result less than detection limit.

{ } - Uncertainty for result.

NR - No result reported.

nra - Not routinely analyzed.

1 Comment for sample 0054 on 04/08/87
NO SAMPLE.

2 Comment for sample 1054 on 07/15/87
NO SAMPLE. SAVE FOR COMPOSITE.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 54

0029 - BENTON CITY

0625 - PROSSER

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/13/87		0.34E-01		0.41E-03	01/13/87		0.30E-01		nra					
		{0.47E-02}		{0.31E-03}			{0.45E-02}							
01/27/87		0.51E-01		0.14E-02	01/27/87		0.53E-01		nra					
		{0.50E-02}		{0.53E-03}			{0.52E-02}							
02/10/87		0.26E-01		0.58E-03	02/10/87		0.17E-01		nra					
		{0.46E-02}		{0.37E-03}			{0.62E-02}							
02/24/87		0.18E-01		0.60E-03	02/24/87		0.28E-01		nra					
		{0.44E-02}		{0.37E-03}			{0.47E-02}							
03/10/87		0.24E-01		0.74E-03	03/10/87		0.19E-01		nra					
		{0.45E-02}		{0.39E-03}			{0.43E-02}							
03/24/87		0.97E-02		0.65E-03	03/24/87		0.15E-01		nra					
		{0.42E-02}		{0.38E-03}			{0.42E-02}							
04/07/87		0.33E-01		0.14E-02	04/07/87		0.30E-01		nra					
		{0.48E-02}		{0.57E-03}			{0.44E-02}							
04/21/87		0.17E-01		0.12E-02	04/21/87		0.15E-01		nra					
		{0.43E-02}		{0.51E-03}			{0.41E-02}							
05/05/87		0.32E-01		0.11E-02	05/05/87		0.31E-01		nra					
		{0.46E-02}		{0.51E-03}			{0.46E-02}							
05/19/87		0.34E-01		0.14E-02	05/19/87		0.32E-01		nra					
		{0.47E-02}		{0.54E-03}			{0.46E-02}							
06/02/87		0.23E-01		0.99E-03	06/02/87		0.21E-01		nra					
		{0.46E-02}		{0.51E-03}			{0.44E-02}							
06/16/87		0.28E-01		0.86E-03	06/16/87		0.27E-01		nra					
		{0.46E-02}		{0.44E-03}			{0.45E-02}							
06/30/87		0.16E-01		0.75E-03	06/30/87		0.14E-01		nra					
		{0.14E-02}		{0.51E-03}			{0.14E-02}							
07/14/87		0.12E-01		0.85E-03	07/14/87		0.12E-01		nra					
		{0.12E-02}		{0.46E-03}			{0.12E-02}							
07/28/87		0.14E-01		0.10E-02	07/28/87		0.14E-01		nra					
		{0.13E-02}		{0.51E-03}			{0.13E-02}							
08/11/87		0.14E-01		0.12E-02	08/11/87		0.15E-01		nra					
		{0.13E-02}		{0.57E-03}			{0.13E-02}							
08/25/87		0.10E-01		0.61E-03	08/25/87		0.12E-01		nra					
		{0.12E-02}		{0.43E-03}			{0.12E-02}							
09/08/87		0.18E-01		0.42E-03	09/08/87		0.19E-01		nra					
		{0.14E-02}		{0.36E-03}			{0.15E-02}							
09/22/87		0.18E-01		0.83E-03	09/22/87		0.19E-01		nra					
		{0.14E-02}		{0.47E-03}			{0.14E-02}							
10/06/87		0.30E-01		0.99E-03	10/06/87		0.26E-01		nra					
		{0.18E-02}		{0.50E-03}			{0.17E-02}							
10/20/87		0.24E-01		0.92E-03	10/20/87		0.26E-01		nra					
		{0.16E-02}		{0.50E-03}			{0.17E-02}							
11/03/87		0.59E-01		0.20E-02	11/03/87		0.51E-01		nra					
		{0.24E-02}		{0.68E-03}			{0.23E-02}							
11/17/87		0.23E-01		0.90E-03	11/17/87		0.22E-01		nra					
		{0.16E-02}		{0.49E-03}			{0.15E-02}							
12/01/87		0.19E-01		0.90E-03	12/01/87		0.18E-01		nra					
		{0.14E-02}		{0.47E-03}			{0.14E-02}							
12/15/87		0.72E-02	<	0.23E-03	12/15/87		0.72E-02		nra					
		{0.99E-03}		{0.33E-03}			{0.10E-02}							

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 55

0029 - BENTON CITY

0625 - PROSSER

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
12/29/87		0.34E-01 {0.19E-02}		0.32E-03 {0.27E-03}	12/29/87		0.27E-01 {0.17E-02}		nra					
MEAN		0.24E-01		0.90E-03			0.23E-01							
MINIMUM		0.72E-02		0.23E-03			0.72E-02							
MAXIMUM		0.59E-01		0.20E-02			0.53E-01							
2STD.ERR		0.48E-02		0.18E-03			0.43E-02							

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR COMPOSITED SAMPLES - PCI/M3

VERSION 1.0*
Page 56

0611 BENTON CITY COMP - BENTON CITY, PROSSER (PARTICULATE, FILTER-1)

OFF DATE COM	SR 90	RU 106	CS 137	U 234	U 235	U 238	PU 238	PU23940
01/27/87		< -.23E-02 {0.13E-01}	< -.52E-03 {0.15E-02}	nra	nra	nra		
02/24/87		< -.43E-02 {0.13E-01}	< -.42E-03 {0.12E-02}					
04/07/87	0.89E-04 {0.40E-04}	< 0.22E-02 {0.68E-02}	< 0.39E-03 {0.55E-03}				< 0.00E+00 {0.00E+00}	< 0.33E-06 {0.66E-06}
05/05/87		< 0.54E-03 {0.74E-02}	< 0.13E-03 {0.12E-02}					
06/02/87		< -.72E-02 {0.10E-01}	< 0.19E-02 {0.99E-03}					
06/30/87	< 0.69E-04 {0.87E-04}	< 0.00E+00 {0.99E-02}	< 0.47E-03 {0.94E-03}				< 0.24E-06 {0.81E-06}	< -.40E-06 {0.00E+00}
07/28/87		< -.11E-01 {0.11E-01}	0.56E-03 {0.51E-03}					
08/25/87		< -.39E-02 {0.11E-01}	0.15E-02 {0.88E-03}					
10/06/87	< 0.90E-05 {0.39E-04}	< 0.19E-02 {0.58E-02}	< -.18E-03 {0.73E-03}				< -.14E-06 {0.00E+00}	< 0.23E-06 {0.11E-05}
11/03/87		< 0.11E-02 {0.11E-01}	< 0.11E-02 {0.11E-02}					
12/01/87		< -.16E-01 {0.13E-01}	< -.10E-02 {0.14E-02}					
12/29/87	< -.66E-05 {0.46E-04}	< -.17E-03 {0.86E-02}	< -.97E-03 {0.11E-02}				< 0.68E-06 {0.12E-05}	< 0.13E-05 {0.17E-05}
MEAN	0.40E-04	-.33E-02	0.25E-03				0.19E-06	0.36E-06
MINIMUM	-.66E-05	-.16E-01	-.10E-02				-.14E-06	-.40E-06
MAXIMUM	0.89E-04	0.22E-02	0.19E-02				0.68E-06	0.13E-05
2STD.ERR	0.54E-04	0.44E-02	0.62E-03				0.54E-06	0.98E-06

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0+
Page 57

1120 - ELTOPIA

0033 - ELTOPIA NO. 2

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/07/87		0.25E-01 {0.43E-02}		nra			nra		nra					
01/21/87		0.51E-01 {0.51E-02}		nra			nra		nra					
02/04/87		0.39E-01 {0.48E-02}		nra			nra		nra					
02/18/87		0.40E-01 {0.49E-02}		nra			nra		nra					
03/04/87		0.26E-01 {0.46E-02}		nra			nra		nra					
03/18/87		0.15E-01 {0.42E-02}		nra			nra		nra					
04/01/87		0.25E-01 {0.45E-02}		nra			nra		nra					
04/15/87		0.16E-01 {0.44E-02}		nra			nra		nra					
04/29/87		0.29E-01 {0.46E-02}		nra			nra		nra					
05/13/87		0.33E-01 {0.46E-02}		nra			nra		nra					
05/27/87		0.27E-01 {0.48E-02}		nra			nra		nra					
06/10/87		0.25E-01 {0.45E-02}		nra			nra		nra					
06/24/87		0.13E-01 {0.13E-02}		nra			nra		nra					
07/08/87		0.17E-01 {0.18E-02}		nra			nra		nra					
07/22/87		0.12E-01 {0.12E-02}		nra			nra		nra					
08/05/87		0.14E-01 {0.13E-02}		nra			nra		nra					
08/19/87		0.13E-01 {0.12E-02}		nra			nra		nra					
09/02/87		0.19E-01 {0.14E-02}		nra			nra		nra					
09/16/87		0.18E-01 {0.16E-02}		nra			nra		nra					
09/30/87		0.18E-01 {0.14E-02}		nra			nra		nra					
10/14/87		0.32E-01 {0.18E-02}		nra			nra		nra					
10/28/87		0.32E-01 {0.18E-02}		nra			nra		nra					
11/12/87		0.81E-01 {0.29E-02}		nra			nra		nra					
11/12/87		0.81E-01 {0.29E-02}		nra			nra		nra					
11/25/87		0.16E-01 {0.14E-02}		nra			nra		nra					
12/09/87		0.27E-01 {0.17E-02}		nra			nra		nra					

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 58

1120 - ELTOPIA

0033 - ELTOPIA NO. 2

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
12/23/87		0.22E-01		nra			nra		nra					
		{0.18E-02}												
01/08/88		0.85E-01		nra			nra		nra					
		{0.25E-02}												
MEAN		0.27E-01												
MINIMUM		0.12E-01												
MAXIMUM		0.85E-01												
2STD.ERR		0.54E-02												

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR COMPOSITED SAMPLES - PCI/M3

VERSION 1.0*
Page 59

0617 ELTOPIA - ELTOPIA, ELTOPIA NO. 2 (PARTICULATE, FILTER-1)

OFF DATE COM	SR 90	RU 106	CS 137	U 234	U 235	U 238	PU 238	PU23940
-----	-----	-----	-----	-----	-----	-----	-----	-----
01/07/87	0.79E-04 {0.43E-04}	0.86E-02 {0.71E-02}	0.91E-03 {0.80E-03}	nra	nra	nra	< 0.33E-06 {0.66E-06}	< 0.99E-06 {0.11E-05}
02/04/87		< 0.25E-02 {0.72E-02}	< -.11E-03 {0.10E-02}					
03/04/87		< -.25E-02 {0.99E-02}	< -.22E-03 {0.79E-03}					
04/01/87	0.92E-04 {0.68E-04}	0.76E-02 {0.53E-02}	< -.38E-03 {0.11E-02}				< 0.71E-06 {0.10E-05}	< 0.00E+00 {0.00E+00}
04/29/87		< -.22E-02 {0.99E-02}	< 0.64E-04 {0.86E-03}					
05/27/87		< 0.40E-02 {0.80E-02}	0.12E-02 {0.78E-03}					
06/24/87	< 0.19E-04 {0.47E-04}	< -.49E-02 {0.11E-01}	0.20E-02 {0.95E-03}				< -.59E-06 {0.86E-06}	< 0.47E-06 {0.12E-05}
08/05/87		< -.70E-02 {0.93E-02}	0.45E-03 {0.40E-03}					
09/02/87		< -.56E-03 {0.12E-01}	< 0.13E-02 {0.15E-02}					
09/30/87	< 0.16E-04 {0.43E-04}	< -.67E-02 {0.13E-01}	0.11E-02 {0.80E-03}				< -.15E-06 {0.00E+00}	< 0.13E-06 {0.95E-06}
10/28/87		< -.15E-01 {0.14E-01}	< 0.43E-03 {0.87E-03}					
11/25/87 1		< -.21E-01 {0.16E-01}	< -.74E-04 {0.87E-03}					
01/06/88	< 0.34E-04 {0.64E-04}	< 0.16E-02 {0.48E-02}	< 0.14E-03 {0.67E-03}				< -.14E-06 {0.00E+00}	< 0.75E-07 {0.83E-06}
-----	-----	-----	-----	-----	-----	-----	-----	-----
MEAN	0.48E-04	-.28E-02	0.52E-03				0.33E-07	0.33E-06
MINIMUM	0.16E-04	-.21E-01	-.38E-03				-.59E-06	0.00E+00
MAXIMUM	0.92E-04	0.86E-02	0.20E-02				0.71E-06	0.99E-06
2STD.ERR	0.38E-04	0.55E-02	0.47E-03				0.58E-06	0.57E-06

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 Comment for sample 1120 on 11/11/87
NO SAMPLE. GATE LOCKED (FOR HOLIDAY'S).

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 80

0028 - MATTAWA

0034 - MATTAWA NO. 2

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/13/87		0.27E-01		nra			nra		nra					
		{0.45E-02}												
01/27/87		0.83E-01		nra			nra		nra					
		{0.53E-02}												
02/10/87		0.27E-01		nra			nra		nra					
		{0.45E-02}												
02/24/87		0.25E-01		nra			nra		nra					
		{0.46E-02}												
03/10/87		0.24E-01		nra			nra		nra					
		{0.45E-02}												
03/24/87		0.10E-01		nra			nra		nra					
		{0.42E-02}												
04/07/87		0.24E-01		nra			nra		nra					
		{0.45E-02}												
04/21/87		0.17E-01		nra			nra		nra					
		{0.44E-02}												
05/05/87		0.29E-01		nra			nra		nra					
		{0.48E-02}												
05/19/87		0.31E-01		nra			nra		nra					
		{0.48E-02}												
06/02/87		0.22E-01		nra			nra		nra					
		{0.44E-02}												
06/16/87		0.21E-01		nra			nra		nra					
		{0.44E-02}												
06/30/87		0.12E-01		nra			nra		nra					
		{0.12E-02}												
07/14/87		0.11E-01		nra			nra		nra					
		{0.12E-02}												
07/28/87		0.12E-01		nra			nra		nra					
		{0.13E-02}												
08/11/87		0.11E-01		nra			nra		nra					
		{0.12E-02}												
08/25/87		0.11E-01		nra			nra		nra					
		{0.12E-02}												
09/08/87		0.18E-01		nra			nra		nra					
		{0.18E-02}												
09/22/87		0.15E-01		nra			nra		nra					
		{0.13E-02}												
10/06/87		0.19E-01		nra			nra		nra					
		{0.14E-02}												
10/20/87		0.22E-01		nra			nra		nra					
		{0.18E-02}												
11/03/87		0.42E-01		nra			nra		nra					
		{0.21E-02}												
11/17/87		0.24E-01		nra			nra		nra					
		{0.17E-02}												
12/01/87		0.23E-01		nra			nra		nra					
		{0.18E-02}												
12/15/87		0.89E-02		nra			nra		nra					
		{0.99E-03}												

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 61

0626 - MATTAWA

0034 - MATTAWA NO. 2

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
12/29/87		0.34E-01 {0.20E-02}		nra			nra		nra					
MEAN		0.22E-01												
MINIMUM		0.89E-02												
MAXIMUM		0.63E-01												
2STD.ERR		0.46E-02												

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR COMPOSITED SAMPLES - PCI/M3

VERSION 1.0*
Page 82

0618 MATTAWA - MATTAWA, MATTAWA NO. 2 (PARTICULATE, FILTER-1)

OFF DATE COM	SR 90	RU 106	CS 137	U 234	U 235	U 238	PU 238	PU23940
01/27/87		< 0.52E-02 {0.13E-01}	< -.18E-02 {0.17E-02}					
02/24/87		0.69E-02 {0.52E-02}	< 0.28E-03 {0.84E-03}					
04/07/87	0.98E-04 {0.65E-04}	< 0.31E-02 {0.51E-02}	< 0.30E-03 {0.65E-03}				< 0.00E+00 {0.00E+00}	< 0.14E-05 {0.14E-05}
05/05/87		< 0.38E-02 {0.88E-02}	0.11E-02 {0.70E-03}					
06/02/87		0.76E-02 {0.54E-02}	< 0.33E-03 {0.10E-02}					
06/30/87	< 0.42E-04 {0.52E-04}	< 0.11E-02 {0.10E-01}	0.14E-02 {0.12E-02}				< -.18E-06 {0.00E+00}	< 0.40E-06 {0.11E-05}
07/28/87		< 0.53E-03 {0.72E-02}	< -.97E-03 {0.15E-02}					
08/25/87		0.13E-01 {0.75E-02}	< 0.13E-03 {0.11E-02}					
10/06/87	< 0.21E-04 {0.44E-04}	< -.14E-01 {0.92E-02}	< -.71E-03 {0.94E-03}				< -.15E-06 {0.00E+00}	< 0.78E-06 {0.17E-05}
11/03/87		< 0.22E-02 {0.10E-01}	< 0.32E-03 {0.95E-03}					
12/01/87		< -.78E-02 {0.11E-01}	< -.13E-03 {0.11E-02}					
12/29/87	< 0.33E-04 {0.51E-04}	< 0.50E-03 {0.92E-02}	< 0.51E-03 {0.62E-03}	< 0.18E-04 {0.10E-04}	< -.68E-05 {0.19E-05}	0.33E-04 {0.11E-04}	< 0.12E-05 {0.15E-05}	< 0.94E-06 {0.15E-05}
MEAN	0.48E-04	0.18E-02	0.79E-04	0.18E-04	-.68E-05	0.33E-04	0.22E-06	0.88E-06
MINIMUM	0.21E-04	-.14E-01	-.16E-02	0.18E-04	-.68E-05	0.33E-04	-.18E-06	0.40E-06
MAXIMUM	0.98E-04	0.13E-01	0.14E-02	0.18E-04	-.68E-05	0.33E-04	0.12E-05	0.14E-05
2STD.ERR	0.46E-04	0.48E-02	0.57E-03	0.10E-04	0.19E-05	0.11E-04	0.75E-06	0.88E-06

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 63

0980 - MOSES LAKE

0959 - WASHTUCNA

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/16/87		0.29E-01 {0.45E-02}		nra	01/16/87		0.32E-01 {0.47E-02}		nra					
01/30/87		0.49E-01 {0.50E-02}		nra	01/30/87		0.52E-01 {0.51E-02}		nra					
02/13/87		0.35E-01 {0.47E-02}		nra	02/13/87		0.32E-01 {0.40E-02}		nra					
02/27/87		0.19E-01 {0.44E-02}		nra	02/27/87		0.21E-01 {0.43E-02}		nra					
03/13/87		0.22E-01 {0.45E-02}		nra	03/13/87		0.25E-01 {0.45E-02}		nra					
03/27/87		0.18E-01 {0.44E-02}		nra	03/27/87		0.17E-01 {0.43E-02}		nra					
04/10/87		0.29E-01 {0.40E-02}		nra	04/10/87		0.31E-01 {0.47E-02}		nra					
04/24/87		0.18E-01 {0.44E-02}		nra	04/24/87		0.25E-01 {0.44E-02}		nra					
05/08/87		0.34E-01 {0.47E-02}		nra	05/08/87		0.32E-01 {0.40E-02}		nra					
05/22/87		0.29E-01 {0.47E-02}		nra	05/22/87		0.31E-01 {0.40E-02}		nra					
06/05/87		0.27E-01 {0.40E-02}		nra	06/05/87		0.30E-01 {0.47E-02}		nra					
06/19/87		0.24E-01 {0.44E-02}		nra	06/19/87		0.31E-01 {0.40E-02}		nra					
07/02/87		0.15E-01 {0.14E-02}		nra	07/02/87		0.12E-01 {0.13E-02}		nra					
07/17/87		0.12E-01 {0.11E-02}		nra	07/17/87		0.13E-01 {0.12E-02}		nra					
07/31/87		0.10E-01 {0.14E-02}		nra	07/31/87		0.17E-01 {0.14E-02}		nra					
08/14/87		0.13E-01 {0.12E-02}		nra	08/14/87		0.14E-01 {0.13E-02}		nra					
08/28/87		0.20E-01 {0.15E-02}		nra	08/28/87		0.19E-01 {0.15E-02}		nra					
09/11/87		0.20E-01 {0.15E-02}		nra	09/11/87		0.22E-01 {0.10E-02}		nra					
09/25/87		0.25E-01 {0.10E-02}		nra	09/25/87		0.20E-01 {0.17E-02}		nra					
10/09/87		0.28E-01 {0.19E-02}		nra	10/09/87		0.20E-01 {0.10E-02}		nra					
10/23/87		0.33E-01 {0.19E-02}		nra	10/23/87		0.32E-01 {0.10E-02}		nra					
11/06/87		0.40E-01 {0.20E-02}		nra	11/06/87		0.42E-01 {0.21E-02}		nra					
11/20/87		0.30E-01 {0.18E-02}		nra	11/20/87		0.34E-01 {0.19E-02}		nra					
11/20/87		0.30E-01 {0.10E-02}		nra	11/20/87		0.34E-01 {0.19E-02}		nra					
12/04/87		0.27E-01 {0.10E-02}		nra	12/04/87		0.21E-01 {0.15E-02}		nra					
12/18/87		0.01E-02 {0.14E-02}		nra	12/18/87		0.14E-01 {0.13E-02}		nra					

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 64

0960 - MOSES LAKE

0959 - WASHTUCNA

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
12/31/87		0.49E-01 {0.23E-02}		nra	12/31/87		0.38E-01 {0.21E-02}		nra					
MEAN		0.28E-01					0.28E-01							
MINIMUM		0.81E-02					0.12E-01							
MAXIMUM		0.49E-01					0.52E-01							
2STD.ERR		0.42E-02					0.39E-02							

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR COMPOSITED SAMPLES - PCI/M3

VERSION 1.0+
Page 65

1742 OUTER NE SECTOR - MOSES LAKE, WASHTUCNA (PARTICULATE, FILTER-1)

OFF DATE COM	SR 90	RU 106	CS 137	U 234	U 235	U 238	PU 238	PU23940
01/30/87		< -.12E-01 {0.11E-01}	0.77E-03 {0.62E-03}	nra	nra	nra		
02/27/87		< 0.38E-02 {0.89E-02}	0.10E-02 {0.94E-03}					
03/27/87	0.79E-04 {0.52E-04}	< -.77E-02 {0.10E-01}	< -.19E-02 {0.16E-02}				< 0.00E+00 {0.00E+00}	< 0.00E+00 {0.00E+00}
04/24/87		< -.15E-01 {0.15E-01}	0.22E-02 {0.11E-02}					
06/05/87		< 0.54E-02 {0.77E-02}	< 0.88E-04 {0.77E-03}					
07/02/87	0.77E-04 {0.46E-04}	< -.15E-02 {0.10E-01}	< 0.52E-03 {0.85E-03}				< -.36E-06 {0.26E-05}	< 0.10E-05 {0.37E-05}
07/31/87		< -.21E-02 {0.95E-02}	< -.17E-02 {0.16E-02}					
08/28/87		< 0.25E-02 {0.11E-01}	< 0.80E-03 {0.11E-02}					
09/25/87	< 0.60E-04 {0.54E-04}	< 0.17E-02 {0.79E-02}	< 0.00E+00 {0.12E-02}				< 0.67E-06 {0.12E-05}	< 0.36E-07 {0.14E-05}
11/06/87		< 0.79E-03 {0.76E-02}	0.11E-02 {0.88E-03}					
12/04/87		< -.46E-02 {0.13E-01}	0.14E-02 {0.12E-02}					
12/31/87	< 0.25E-04 {0.56E-04}	< -.30E-02 {0.10E-01}	< 0.51E-03 {0.12E-02}				< 0.97E-06 {0.16E-05}	< -.90E-06 {0.11E-05}
MEAN	0.60E-04	-.26E-02	0.41E-03				0.32E-06	0.35E-07
MINIMUM	0.25E-04	-.15E-01	-.19E-02				-.36E-06	-.90E-06
MAXIMUM	0.79E-04	0.54E-02	0.22E-02				0.97E-06	0.10E-05
2STD.ERR	0.37E-04	0.47E-02	0.75E-03				0.10E-05	0.14E-05

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 68

0282 - WALLA WALLA

0958 - MC NARY DAM

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/09/87		0.25E-01		nra	01/09/87		0.28E-01		nra					
		{0.66E-02}					{0.67E-02}							
01/23/87		0.36E-01		nra	01/23/87		0.52E-01		nra					
		{0.47E-02}					{0.51E-02}							
02/06/87		0.21E-01		nra	02/06/87		0.29E-01		nra					
		{0.44E-02}					{0.46E-02}							
02/20/87		0.28E-01		nra	02/20/87		0.38E-01		nra					
		{0.46E-02}					{0.49E-02}							
03/06/87	1	NR		nra	03/06/87		0.33E-01		nra					
		{NR}					{0.46E-02}							
03/20/87		0.17E-01		nra	03/20/87		0.14E-01		nra					
		{0.43E-02}					{0.42E-02}							
04/03/87		0.34E-01		nra	04/03/87		0.35E-01		nra					
		{0.47E-02}					{0.48E-02}							
04/17/87		0.15E-01		nra	04/17/87		0.19E-01		nra					
		{0.43E-02}					{0.45E-02}							
05/01/87		0.32E-01		nra	05/01/87		0.39E-01		nra					
		{0.46E-02}					{0.48E-02}							
05/15/87		0.31E-01		nra	05/15/87		0.32E-01		nra					
		{0.47E-02}					{0.46E-02}							
05/29/87		0.23E-01		nra	05/29/87		0.28E-01		nra					
		{0.44E-02}					{0.46E-02}							
06/12/87		0.30E-01		nra	06/12/87		0.28E-01		nra					
		{0.47E-02}					{0.45E-02}							
06/26/87		0.16E-01		nra	06/26/87		0.19E-01		nra					
		{0.14E-02}					{0.14E-02}							
07/10/87		0.13E-01		nra	07/10/87		0.14E-01		nra					
		{0.12E-02}					{0.13E-02}							
07/24/87		0.13E-01		nra	07/24/87		0.13E-01		nra					
		{0.12E-02}					{0.12E-02}							
08/07/87		0.10E-01		nra	08/07/87		0.15E-01		nra					
		{0.11E-02}					{0.13E-02}							
08/21/87		0.15E-01		nra	08/21/87		0.15E-01		nra					
		{0.13E-02}					{0.13E-02}							
09/04/87		0.20E-01		nra	09/04/87		0.21E-01		nra					
		{0.15E-02}					{0.15E-02}							
09/18/87		0.21E-01		nra	09/18/87		0.18E-01		nra					
		{0.15E-02}					{0.14E-02}							
10/02/87		0.29E-01		nra	10/02/87		0.32E-01		nra					
		{0.18E-02}					{0.18E-02}							
10/16/87		0.40E-01		nra	10/16/87		0.37E-01		nra					
		{0.20E-02}					{0.20E-02}							
10/30/87		0.34E-01		nra	10/30/87		0.39E-01		nra					
		{0.19E-02}					{0.20E-02}							
11/13/87		0.34E-01		nra	11/13/87		0.37E-01		nra					
		{0.19E-02}					{0.20E-02}							
11/25/87		0.15E-01		nra	11/25/87		0.97E-02		nra					
		{0.15E-02}					{0.12E-02}							
12/11/87		0.20E-01		nra	12/11/87		0.19E-01		nra					
		{0.14E-02}					{0.14E-02}							

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. SAVED FOR COMPOSITE.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 67

0262 - WALLA WALLA

0958 - MC NARY DAM

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
12/23/87		0.21E-01 {0.18E-02}		nra	12/23/87		0.21E-01 {0.17E-02}		nra					
MEAN		0.24E-01					0.28E-01							
MINIMUM		0.10E-01					0.97E-02							
MAXIMUM		0.40E-01					0.52E-01							
2STD.ERR		0.34E-02					0.42E-02							

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. SAVED FOR COMPOSITE.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR COMPOSITED SAMPLES - PCI/M3

VERSION 1.0*
Page 68

1744 OUTER SE SECTOR - WALLA WALLA, MC NARY DAM (PARTICULATE, FILTER-1)

OFF DATE COM	SR 90	RU 108	CS 137	U 234	U 235	U 238	PU 238	PU23940
02/06/87		< 0.19E-02 {0.55E-02}	0.43E-03 {0.39E-03}	nra	nra	nra		
03/06/87		< 0.75E-03 {0.93E-02}	< 0.97E-03 {0.13E-02}					
04/03/87	1	0.89E-04 {0.53E-04}	< 0.15E-02 {0.69E-02}				< 0.00E+00 {0.00E+00}	< 0.00E+00 {0.00E+00}
05/01/87		0.15E-01 {0.82E-02}	< 0.32E-03 {0.94E-03}					
05/29/87		< -0.14E-02 {0.96E-02}	< -0.15E-02 {0.14E-02}					
06/26/87		< 0.37E-04 {0.46E-04}	< -0.35E-02 {0.14E-01}				< -0.41E-06 {0.00E+00}	< 0.27E-05 {0.43E-05}
08/07/87		< -0.29E-02 {0.60E-02}	< 0.00E+00 {0.62E-03}					
09/04/87		0.49E-02 {0.44E-02}	< -0.86E-03 {0.12E-02}					
10/02/87		< 0.38E-04 {0.40E-04}	< 0.33E-02 {0.11E-01}				< -0.14E-06 {0.00E+00}	< 0.69E-06 {0.12E-05}
10/30/87		< -0.44E-02 {0.10E-01}	0.17E-02 {0.88E-03}					
11/25/87		< 0.26E-02 {0.70E-02}	< -0.71E-03 {0.13E-02}					
12/23/87		< 0.36E-04 {0.69E-04}	< 0.28E-02 {0.11E-01}				< -0.17E-06 {0.00E+00}	< 0.69E-06 {0.15E-05}
MEAN		0.50E-04	0.17E-02				-0.18E-06	0.10E-05
MINIMUM		0.36E-04	-0.44E-02				-0.41E-06	0.00E+00
MAXIMUM		0.89E-04	0.15E-01				0.00E+00	0.27E-05
2STD.ERR		0.37E-04	0.40E-02				0.20E-06	0.18E-05

< - Result less than detection limit.

{ } - Uncertainty for result.

NR - No result reported.

nra - Not routinely analyzed.

1 Comment for sample 0282 on 03/06/87
NO SAMPLE. SAVED FOR COMPOSITE.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 69

0964 - SUNNYSIDE

0032 - SUNNYSIDE NO. 2

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/13/87		0.35E-01		0.15E-02			nra		nra					
		{0.48E-02}		{0.58E-03}										
01/27/87		0.55E-01		0.12E-02			nra		nra					
		{0.51E-02}		{0.52E-03}										
02/10/87		0.28E-01		0.72E-03			nra		nra					
		{0.45E-02}		{0.41E-03}										
02/24/87		0.23E-01		0.13E-02			nra		nra					
		{0.45E-02}		{0.50E-03}										
03/10/87		0.20E-01		0.74E-03			nra		nra					
		{0.44E-02}		{0.42E-03}										
03/24/87		0.13E-01		0.36E-03			nra		nra					
		{0.42E-02}		{0.30E-03}										
04/07/87		0.27E-01		0.12E-02			nra		nra					
		{0.46E-02}		{0.52E-03}										
04/21/87		0.14E-01		0.96E-03			nra		nra					
		{0.42E-02}		{0.46E-03}										
05/05/87		0.29E-01		0.13E-02			nra		nra					
		{0.48E-02}		{0.51E-03}										
05/19/87		0.31E-01		0.10E-02			nra		nra					
		{0.47E-02}		{0.47E-03}										
06/02/87		0.21E-01		0.12E-02			nra		nra					
		{0.44E-02}		{0.52E-03}										
06/16/87		0.29E-01		0.11E-02			nra		nra					
		{0.45E-02}		{0.48E-03}										
06/30/87		0.13E-01		0.52E-03			nra		nra					
		{0.12E-02}		{0.40E-03}										
07/14/87		0.13E-01		0.11E-02			nra		nra					
		{0.12E-02}		{0.51E-03}										
07/28/87		0.14E-01		0.66E-03			nra		nra					
		{0.13E-02}		{0.43E-03}										
08/11/87		0.12E-01	<	0.34E-03			nra		nra					
		{0.12E-02}		{0.39E-03}										
08/25/87		0.10E-01		0.46E-03			nra		nra					
		{0.12E-02}		{0.43E-03}										
09/08/87		0.16E-01	<	0.32E-03			nra		nra					
		{0.14E-02}		{0.38E-03}										
09/22/87		0.18E-01		0.93E-03			nra		nra					
		{0.14E-02}		{0.49E-03}										
10/06/87		0.22E-01		0.12E-02			nra		nra					
		{0.15E-02}		{0.54E-03}										
10/20/87		0.23E-01		0.87E-03			nra		nra					
		{0.16E-02}		{0.50E-03}										
11/03/87		0.45E-01		0.10E-02			nra		nra					
		{0.22E-02}		{0.53E-03}										
11/17/87		0.20E-01		0.66E-03			nra		nra					
11/03/87		0.45E-01		0.10E-02			nra		nra					
		{0.22E-02}		{0.53E-03}										
11/17/87		0.20E-01		0.66E-03			nra		nra					
		{0.15E-02}		{0.45E-03}										
12/01/87		0.19E-01		0.80E-03			nra		nra					
		{0.15E-02}		{0.45E-03}										
12/15/87		0.98E-02	<	0.35E-03			nra		nra					
		{0.11E-02}		{0.35E-03}										

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 70

0964 - SUNNYSIDE

0032 - SUNNYSIDE NO. 2

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
12/29/87		0.24E-01		< 0.13E-03			nra		nra					
		{0.16E-02}		{0.23E-03}										
MEAN		0.22E-01		0.84E-03										
MINIMUM		0.98E-02		0.13E-03										
MAXIMUM		0.55E-01		0.15E-02										
2STD.ERR		0.42E-02		0.17E-03										

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR COMPOSITED SAMPLES - PCI/M3

VERSION 1.0*
Page 71

1748 SUNNYSIDE - SUNNYSIDE, SUNNYSIDE NO. 2 (PARTICULATE, FILTER-1)

OFF DATE COM	SR 90	RU 106	CS 137	U 234	U 235	U 238	PU 238	PU23940
01/27/87		0.11E-01 {0.71E-02}	0.11E-02 {0.78E-03}					
02/24/87		< -.40E-02 {0.84E-02}	0.91E-03 {0.65E-03}					
04/07/87	0.60E-04 {0.42E-04}	< -.33E-02 {0.70E-02}	0.51E-03 {0.41E-03}	0.37E-04 {0.82E-05}	0.77E-05 {0.37E-05}	0.26E-04 {0.70E-05}	< 0.41E-06 {0.81E-06}	< 0.00E+00 {0.00E+00}
05/05/87		< 0.39E-02 {0.10E-01}	< 0.51E-03 {0.90E-03}					
06/02/87		< 0.37E-02 {0.43E-02}	< -.14E-03 {0.10E-02}					
06/30/87	0.83E-04 {0.59E-04}	< 0.17E-02 {0.72E-02}	< -.38E-03 {0.98E-03}	< 0.13E-04 {0.78E-05}	< -.47E-05 {0.18E-05}	0.17E-04 {0.76E-05}	< -.18E-05 {0.28E-05}	< 0.44E-06 {0.28E-05}
07/28/87		< -.33E-02 {0.93E-02}	< -.60E-03 {0.14E-02}					
08/25/87		< -.22E-01 {0.18E-01}	< 0.10E-02 {0.13E-02}					
10/06/87	< 0.26E-04 {0.45E-04}	< -.34E-02 {0.11E-01}	< 0.48E-04 {0.11E-02}	0.19E-04 {0.10E-04}	< -.42E-05 {0.29E-05}	0.43E-04 {0.13E-04}	< 0.13E-05 {0.14E-05}	< 0.28E-07 {0.72E-06}
11/03/87		< -.11E-02 {0.89E-02}	< -.31E-03 {0.12E-02}					
12/01/87		0.91E-02 {0.82E-02}	< -.49E-03 {0.14E-02}					
12/29/87	0.94E-04 {0.66E-04}	< 0.91E-02 {0.10E-01}	< 0.39E-03 {0.14E-02}	< 0.12E-04 {0.91E-05}	< -.52E-05 {0.19E-05}	0.27E-04 {0.10E-04}	0.32E-05 {0.23E-05}	< 0.31E-07 {0.83E-06}
MEAN	0.65E-04	0.14E-03	0.22E-03	0.20E-04	-.16E-05	0.28E-04	0.76E-06	0.12E-06
MINIMUM	0.26E-04	-.22E-01	-.60E-03	0.12E-04	-.52E-05	0.17E-04	-.18E-05	0.00E+00
MAXIMUM	0.94E-04	0.11E-01	0.11E-02	0.37E-04	0.77E-05	0.43E-04	0.32E-05	0.44E-06
2STD.ERR	0.43E-04	0.58E-02	0.47E-03	0.13E-04	0.64E-05	0.14E-04	0.26E-05	0.79E-06

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 72

0624 - YAKIMA

0040 - YAKIMA NO. 2

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
01/13/87		0.12E-01		< 0.31E-03			nra		nra					
		{0.42E-02}		{0.35E-03}										
01/27/87		0.19E-01		0.69E-03			nra		nra					
		{0.44E-02}		{0.39E-03}										
02/10/87		0.73E-02		< 0.24E-04			nra		nra					
		{0.41E-02}		{0.20E-03}										
02/24/87		0.20E-01		0.55E-03			nra		nra					
		{0.43E-02}		{0.33E-03}										
03/10/87		0.15E-01		0.42E-03			nra		nra					
		{0.44E-02}		{0.32E-03}										
03/24/87		0.11E-01		0.67E-03			nra		nra					
		{0.41E-02}		{0.38E-03}										
04/07/87		0.25E-01		0.12E-02			nra		nra					
		{0.48E-02}		{0.51E-03}										
04/21/87		0.13E-01		0.36E-03			nra		nra					
		{0.43E-02}		{0.32E-03}										
05/05/87		0.28E-01		0.14E-02			nra		nra					
		{0.46E-02}		{0.54E-03}										
05/19/87		0.32E-01		0.13E-02			nra		nra					
		{0.46E-02}		{0.53E-03}										
06/02/87		0.22E-01		0.89E-03			nra		nra					
		{0.44E-02}		{0.44E-03}										
06/16/87		0.23E-01		0.72E-03			nra		nra					
		{0.44E-02}		{0.41E-03}										
06/30/87		0.13E-01		0.11E-02			nra		nra					
		{0.13E-02}		{0.52E-03}										
07/14/87		0.12E-01		< 0.16E-03			nra		nra					
		{0.12E-02}		{0.30E-03}										
07/28/87		0.12E-01		< 0.27E-03			nra		nra					
		{0.12E-02}		{0.34E-03}										
08/11/87		0.11E-01		< .61E-04			nra		nra					
		{0.12E-02}		{0.31E-03}										
08/25/87		0.11E-01		< 0.18E-03			nra		nra					
		{0.12E-02}		{0.33E-03}										
09/08/87		0.17E-01		0.68E-03			nra		nra					
		{0.14E-02}		{0.47E-03}										
09/22/87		0.16E-01		< 0.42E-03			nra		nra					
		{0.14E-02}		{0.42E-03}										
10/06/87		0.22E-01		0.10E-02			nra		nra					
		{0.16E-02}		{0.50E-03}										
10/20/87		0.21E-01		0.10E-02			nra		nra					
		{0.15E-02}		{0.50E-03}										
11/03/87		0.34E-01		0.95E-03			nra		nra					
		{0.19E-02}		{0.51E-03}										
11/17/87		0.16E-01		0.61E-03			nra		nra					
		{0.16E-02}		{0.54E-03}										
12/01/87		0.67E-02		0.42E-03			nra		nra					
		{0.98E-03}		{0.36E-03}										
12/15/87		0.50E-02		< 0.30E-03			nra		nra					
		{0.90E-03}		{0.36E-03}										

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR SAMPLE COMPOSITE PARTS - PCI/M3

VERSION 1.0*
Page 73

0824 - YAKIMA

0040 - YAKIMA NO. 2

OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA	OFF DATE	COM	BETA	COM	ALPHA
12/29/87		0.11E-01 {0.12E-02}		< 0.85E-04 {0.20E-03}			nra		nra					
MEAN		0.17E-01		0.60E-03										
MINIMUM		0.50E-02		- .61E-04										
MAXIMUM		0.34E-01		0.14E-02										
2STD.ERR		0.30E-02		0.18E-03										

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR COMPOSITED SAMPLES - PCI/M3

VERSION 1.0*
Page 74

0623 YAKIMA - YAKIMA, YAKIMA NO. 2 (PARTICULATE, FILTER-1)

OFF DATE COM	SR 90	RU 106	CS 137	U 234	U 235	U 238	PU 238	PU23940
01/27/87		< 0.00E+00 {0.11E-01}	< -.72E-03 {0.16E-02}					
02/24/87		< -.44E-02 {0.94E-02}	< -.32E-03 {0.74E-03}					
04/07/87	0.45E-04 {0.32E-04}	< -.26E-02 {0.73E-02}	0.71E-03 {0.65E-03}	0.56E-04 {0.11E-04}	< 0.15E-05 {0.22E-05}	0.30E-04 {0.76E-05}	< 0.00E+00 {0.00E+00}	< 0.00E+00 {0.00E+00}
05/05/87		< -.17E-02 {0.11E-01}	< 0.10E-02 {0.13E-02}					
06/02/87		< -.72E-02 {0.16E-01}	0.18E-02 {0.11E-02}					
06/30/87	< 0.19E-04 {0.50E-04}	< 0.00E+00 {0.11E-01}	< -.68E-03 {0.14E-02}	< 0.58E-05 {0.75E-05}	< -.50E-05 {0.20E-05}	< 0.12E-04 {0.75E-05}	< -.45E-06 {0.00E+00}	< 0.11E-06 {0.23E-05}
07/28/87		< 0.38E-02 {0.12E-01}	< 0.29E-03 {0.13E-02}					
08/25/87		< -.24E-01 {0.20E-01}	< 0.34E-03 {0.19E-02}					
10/06/87	< 0.44E-04 {0.45E-04}	< 0.54E-02 {0.62E-02}	< 0.62E-03 {0.71E-03}	0.28E-04 {0.11E-04}	< 0.40E-05 {0.49E-05}	0.47E-04 {0.12E-04}	< 0.73E-06 {0.12E-05}	< 0.10E-06 {0.87E-06}
11/03/87		< -.32E-02 {0.12E-01}	< 0.37E-03 {0.11E-02}					
12/01/87		0.59E-02 {0.53E-02}	0.81E-03 {0.66E-03}					
12/29/87	< 0.48E-04 {0.54E-04}	< -.74E-02 {0.13E-01}	< 0.26E-03 {0.15E-02}	< 0.60E-05 {0.86E-05}	< -.68E-05 {0.20E-05}	0.19E-04 {0.10E-04}	< 0.17E-05 {0.18E-05}	< -.39E-06 {0.00E+00}
MEAN	0.39E-04	-.29E-02	0.38E-03	0.24E-04	-.16E-05	0.27E-04	0.49E-06	-.44E-07
MINIMUM	0.19E-04	-.24E-01	-.72E-03	0.58E-05	-.66E-05	0.12E-04	-.45E-06	-.39E-06
MAXIMUM	0.48E-04	0.59E-02	0.18E-02	0.56E-04	0.40E-05	0.47E-04	0.17E-05	0.11E-06
2STD.ERR	0.27E-04	0.57E-02	0.55E-03	0.25E-04	0.54E-05	0.18E-04	0.12E-05	0.67E-06

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 75

1861 100 N-WPPSS AREA (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE	COM	I 131	I 129	H 3 AIR	C 14	KR 85
01/12/87		< 0.27E-02 {0.48E-02}				
01/28/87		< 0.10E-02 {0.41E-02}				
02/09/87		< -.70E-02 {0.59E-02}				
02/23/87	1	NR {NR}				
03/09/87	2	NR {NR}				
03/23/87		< 0.30E-02 {0.54E-02}				
04/06/87		< -.11E-02 {0.45E-02}				
04/20/87		< 0.00E+00 {0.48E-02}				
05/04/87		< 0.12E-02 {0.45E-02}				
05/18/87		< 0.23E-02 {0.38E-02}				
06/01/87		< 0.90E-03 {0.45E-02}				
06/15/87		< 0.22E-02 {0.48E-02}				
06/29/87		< 0.13E-02 {0.41E-02}				
07/13/87		< 0.39E-02 {0.39E-02}				
07/27/87		< 0.19E-02 {0.42E-02}				
08/10/87		< -.60E-03 {0.50E-02}				
08/24/87		< 0.33E-02 {0.51E-02}				
09/08/87		< 0.19E-02 {0.38E-02}				
09/21/87		< 0.27E-03 {0.47E-02}				
10/05/87		< 0.14E-03 {0.37E-02}				
10/19/87		< -.48E-03 {0.51E-02}				
11/02/87		< 0.87E-03 {0.40E-02}				
11/16/87		< -.18E-02 {0.39E-02}				
11/16/87		< -.18E-02 {0.39E-02}				
11/30/87		< 0.11E-02 {0.42E-02}				

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE.
2 NO SAMPLE. POWER OFF.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 76

1661 100 N-WPPSS AREA (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE COM	I 131	I 129	H 3 AIR	C 14	KR 85
12/14/87	< -.25E-03 {0.41E-02}				
12/28/87	< -.32E-02 {0.47E-02}				
MEAN	0.56E-03				
MINIMUM	-.70E-02				
MAXIMUM	0.39E-02				
2STD.ERR	0.13E-02				

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE.
2 NO SAMPLE. POWER OFF.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
 AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
 Page 77

0263 100 N-WPPSS AREA (WATER VAPOR, SILICA GEL-HTO)

OFF DATE	COM	I 131	1 129	H 3 AIR	C 14	KR 86
01/26/87				< 0.14E+01		
				{0.13E+01}		
02/23/87				0.82E+01		
				{0.25E+01}		
03/23/87				0.33E+01		
				{0.19E+01}		
04/20/87				0.19E+01		
				{0.78E+00}		
05/18/87				< 0.10E-01		
				{0.17E+01}		
06/15/87				0.21E+01		
				{0.12E+01}		
07/13/87				0.24E+01		
				{0.11E+01}		
08/10/87	1			NR		
				{NR}		
09/08/87				< 0.17E+00		
				{0.92E+00}		
10/05/87				0.41E+01		
				{0.25E+01}		
11/02/87				0.30E+01		
				{0.15E+01}		
11/30/87				< 0.57E-01		
				{0.21E+01}		
12/28/87				< 0.10E+01		
				{0.79E+00}		
MEAN				0.23E+01		
MINIMUM				0.10E-01		
MAXIMUM				0.82E+01		
2STD.ERR				0.14E+01		

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.
 1 NO SAMPLE. AIR HOSES HOOKED UP WRONG.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 78

1682 100 D AREA (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE COM	■ 131	■ 129	H 3 AIR	C 14	KR 86
01/12/87	< -.12E-02 {0.42E-02}				
01/26/87	< -.59E-03 {0.49E-02}				
02/09/87	< 0.45E-02 {0.45E-02}				
02/23/87	< 0.32E-02 {0.55E-02}				
03/09/87	< -.58E-03 {0.54E-02}				
03/23/87	< -.25E-02 {0.45E-02}				
04/06/87	< -.21E-02 {0.49E-02}				
04/28/87	< 0.41E-02 {0.52E-02}				
05/04/87	< 0.27E-03 {0.39E-02}				
05/18/87	< 0.33E-02 {0.47E-02}				
06/01/87	< -.23E-02 {0.48E-02}				
06/16/87	< -.12E-02 {0.41E-02}				
06/29/87	< -.22E-02 {0.44E-02}				
07/13/87	< 0.79E-03 {0.52E-02}				
07/27/87	< 0.33E-02 {0.54E-02}				
08/10/87	< -.18E-02 {0.50E-02}				
08/24/87	< 0.17E-02 {0.44E-02}				
09/08/87	< 0.69E-03 {0.38E-02}				
09/21/87	< 0.49E-02 {0.49E-02}				
10/05/87	< 0.34E-02 {0.52E-02}				
18/19/87	< -.41E-02 {0.51E-02}				
11/02/87	< 0.42E-02 {0.48E-02}				
11/16/87	< -.22E-02 {0.44E-02}				
11/38/87	< 0.12E-02 {0.32E-02}				
12/14/87	< 0.00E+00 {0.40E-02}				

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 79

1582 100 D AREA (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE COM	131	1 129	H 3 AIR	C 14	KR 85
12/28/87	< -.18E-02 {0.57E-02}				
MEAN	0.51E-03				
MINIMUM	-.41E-02				
MAXIMUM	0.49E-02				
2STD.ERR	0.14E-02				

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 80

6336 100 D AREA (WATER VAPOR, SILICA GEL-HTO)

OFF DATE	COM	131	1 129	H 3 AIR	C 14	KR 85
01/12/87				0.19E+01		
				{0.12E+01}		
02/09/87				0.70E+01		
				{0.12E+01}		
03/09/87				< 0.51E+00		
				{0.11E+01}		
04/06/87				0.34E+01		
				{0.14E+01}		
05/04/87				< 0.16E+01		
				{0.12E+01}		
06/01/87				< 0.73E+00		
				{0.95E+00}		
06/29/87				0.19E+01		
				{0.98E+00}		
07/27/87				< 0.16E+01		
				{0.11E+01}		
08/24/87				< 0.19E+00		
				{0.98E+00}		
09/21/87				< - .34E+00		
				{0.10E+01}		
10/19/87				0.10E+01		
				{0.38E+00}		
11/16/87				< 0.62E+00		
				{0.13E+01}		
12/14/87				< 0.19E+00		
				{0.11E+01}		
MEAN				0.16E+01		
MINIMUM				- .34 E+00		
MAXIMUM				0.70E+01		
2STD.ERR				0.11E+01		

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.01
Page 81

0289 E OF 200 E (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE	COM	131	129	H 3 AIR	C 14	KR 85
----	---	-----	-----	-----	-----	-----
01/19/87		< 0.27E-03 {0.39E-02}				
02/02/87		< 0.64E-02 {0.64E-02}				
02/17/87		< 0.26E-02 {0.43E-02}				
03/02/87		< 0.21E-02 {0.40E-02}				
03/16/87		< 0.12E-02 {0.37E-02}				
03/30/87		< 0.13E-02 {0.41E-02}				
04/13/87		< -.57E-02 {0.45E-02}				
04/27/87		< -.27E-03 {0.39E-02}				
05/11/87		< -.25E-02 {0.50E-02}				
05/26/87		< -.26E-02 {0.46E-02}				
06/08/87		< 0.25E-02 {0.39E-02}				
06/22/87		< 0.00E+00 {0.47E-02}				
07/07/87		< 0.28E-03 {0.42E-02}				
07/20/87		< 0.12E-02 {0.47E-02}				
08/03/87		< 0.81E-03 {0.34E-02}				
08/17/87		< -.16E-02 {0.44E-02}				
08/31/87		< 0.52E-02 {0.52E-02}				
09/14/87		< 0.24E-02 {0.46E-02}				
09/28/87		< 0.54E-03 {0.40E-02}				
10/12/87		< 0.15E-03 {0.40E-02}				
10/26/87		< -.11E-02 {0.43E-02}				
11/09/87		< -.18E-02 {0.40E-02}				
11/23/87		< 0.18E-02 {0.29E-02}				
12/07/87		< -.66E-03 {0.49E-02}				
12/21/87		< -.25E-02 {0.74E-02}				

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 82

0269 E OF 200 E (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE	COM	I 131	1 129	H 3 AIR	C 14	KR 86
01/04/88		< 0.19E-02 {0.49E-02}				
MEAN		0.48E-03				
MINIMUM		- .57E-02				
MAXIMUM		0.64E-02				
2STD.ERR		0.13E-02				

< - Result less than detection limit.
{ 3 - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 83

1664 200 ESE (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE	COM	131	129	H 3 AIR	C 14	KR 85
01/19/87		< -.34E-02 {0.43E-02}				
02/02/87		< -.34E-02 {0.51E-02}				
02/17/87		< 0.17E-03 {0.54E-02}				
03/02/87		< -.22E-02 {0.44E-02}				
03/16/87		< 0.27E-02 {0.43E-02}				
03/30/87		< 0.88E-03 {0.44E-02}				
04/13/87		< 0.33E-02 {0.42E-02}				
04/27/87		< 0.15E-03 {0.48E-02}				
05/11/87		< -.92E-03 {0.51E-02}				
05/26/87		< -.32E-03 {0.47E-02}				
06/08/87		< -.16E-03 {0.49E-02}				
06/22/87		< 0.14E-03 {0.52E-02}				
07/07/87		< 0.79E-02 {0.79E-02}				
07/20/87		< 0.24E-02 {0.33E-02}				
08/03/87		< 0.11E-02 {0.49E-02}				
08/17/87		< 0.42E-02 {0.43E-02}				
08/31/87		< -.46E-02 {0.47E-02}				
09/14/87		< -.12E-02 {0.60E-02}				
09/28/87		< -.15E-02 {0.49E-02}				
10/12/87		< 0.41E-02 {0.44E-02}				
10/26/87		< -.10E-02 {0.35E-02}				
11/09/87		< -.54E-02 {0.55E-02}				
11/23/87		< 0.40E-02 {0.40E-02}				
12/07/87		< -.23E-02 {0.58E-02}				
12/21/87		< 0.22E-02 {0.74E-02}				

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - **PCI/M3**

VERSION **1.0***
Page 84

1664 200 ESE (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE	COM	■ 131	1 129	H 3 AIR	C 14	KR 85
01/04/88		< 0.10E-02 {0.37E-02}				
MEAN		0.30E-03				
MINIMUM		-.54E-02				
MAXIMUM		0.79E-02				
2STD.ERR		0.15E-02				

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 86

0008 200 ESE - 200 ESE (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE	COM	131	1 129	H 3 AIR	C 14	KR 86
04/13/87			0.21E-03			
			{0.18E-04}			
07/07/87			0.36E-03			
			{0.28E-04}			
09/28/87			0.71E-03			
			{0.54E-04}			
12/21/87			0.16E-03			
			{0.97E-05}			
MEAN			0.36E-03			
MINIMUM			0.16E-03			
MAXIMUM			0.71E-03			
2STD.ERR			0.27E-03			

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 86

6201 200 ESE (WATER VAPOR, SILICA GEL-HTO)

OFF DATE	COM	131	1 129	H 3 AIR	C 14	KR 85
01/19/87				0.31E+01 {0.12E+01}		
02/17/87				< 0.19E+01 {0.13E+01}		
03/18/87				0.28E+01 {0.14E+01}		
04/13/87				0.33E+01 {0.12E+01}		
05/11/87				< 0.17E+01 {0.18E+01}		
06/08/87				< 0.82E+00 {0.88E+00}		
07/07/87				0.25E+01 {0.12E+01}		
08/03/87				0.24E+01 {0.13E+01}		
08/31/87				0.21E+01 {0.11E+01}		
09/28/87				< 0.20E+01 {0.14E+01}		
10/26/87				0.45E+01 {0.11E+01}		
11/23/87				0.28E+01 {0.13E+01}		
12/21/87				< 0.14E+01 {0.76E+00}		
MEAN				0.24E+01		
MINIMUM				0.82E+00		
MAXIMUM				0.45E+01		
2STD.ERR				0.62E+00		

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - CASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 87

0913 200 ESE (GAS, SODA LIME CO2)

OFF DATE	COM	131	129	H 3 AIR	C 14	KR 85
01/19/87					0.15E+01 {0.74E-01}	
03/16/87					0.14E+01 {0.67E-01}	
05/11/87					0.12E+01 {0.15E+00}	
07/07/87					0.11E+01 {0.20E+00}	
08/31/87					0.13E+01 {0.12E+00}	
10/26/87					0.12E+01 {0.28E+00}	
12/21/87					0.15E+01 {0.11E+00}	
MEAN					0.13E+01	
MINIMUM					0.11E+01	
MAXIMUM					0.15E+01	
2STD.ERR					0.12E+00	

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

1534 200 ESE (GAS, PRESSURIZED CYLIND)

OFF DATE	COM	131	129	H 3 AIR	C 14	KR 86
01/28/87						0.25E+02 {0.63E+01}
02/25/87						0.17E+02 {0.91E+01}
03/25/87						0.26E+02 {0.94E+01}
04/22/87						0.72E+03 {0.93E+02}
05/20/87						0.39E+03 {0.51E+02}
06/17/87	1					NR {NR}
07/15/87						0.25E+03 {0.35E+02}
08/12/87	2					NR {NR}
09/09/87						0.16E+04 {0.20E+03}
10/07/87						0.39E+03 {0.52E+02}
11/04/87						0.19E+03 {0.26E+02}
12/02/87						0.14E+03 {0.20E+02}
12/30/87	3					NR {NR}
MEAN						0.37E+03
MINIMUM						0.17E+02
MAXIMUM						0.16E+04
2STD.ERR						0.30E+03

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.
 1 NO SAMPLE. PROBLEM WITH COMPRESSOR.
 2 NO SAMPLE. CYLINDER LEAKED.
 3 NO SAMPLE. ONLY 1/3 FULL.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 89

0270 S OF 200 E (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE	COM	131	129	H 3 AIR	C 14	KR 85
01/19/87		< -.71E-02				
		{0.54E-02}				
02/02/87		< -.43E-02				
		{0.50E-02}				
02/17/87		< 0.15E-02				
		{0.39E-02}				
03/02/87		< 0.38E-02				
		{0.39E-02}				
03/16/87		< -.89E-03				
		{0.49E-02}				
03/30/87		< 0.16E-03				
		{0.44E-02}				
04/13/87		< 0.30E-02				
		{0.37E-02}				
04/27/87		< 0.30E-02				
		{0.44E-02}				
05/11/87		< -.44E-02				
		{0.53E-02}				
05/26/87		< 0.20E-02				
		{0.37E-02}				
06/08/87		< 0.27E-02				
		{0.40E-02}				
06/22/87		< 0.30E-02				
		{0.47E-02}				
07/07/87		< -.19E-02				
		{0.38E-02}				
07/20/87		< -.20E-02				
		{0.53E-02}				
08/03/87		< -.57E-02				
		{0.45E-02}				
08/17/87		< 0.24E-02				
		{0.43E-02}				
08/31/87		< -.48E-03				
		{0.50E-02}				
09/14/87		< 0.14E-02				
		{0.50E-02}				
09/28/87		< -.33E-02				
		{0.49E-02}				
10/12/87		< 0.23E-02				
		{0.44E-02}				
10/26/87		< -.61E-02				
		{0.52E-02}				
11/09/87		< 0.14E-02				
		{0.40E-02}				
11/23/87		< 0.22E-02				
		{0.52E-02}				
12/07/87		< -.12E-02				
		{0.50E-02}				
12/21/87		< -.28E-02				
		{0.82E-02}				

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - **PCI/M3**

VERSION **1.0***
Page 98

0270 S OF 200 E (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE	COM	I 131	1 129	H 3 AIR	C 14	KR 85
01/04/88		< -.29E-02 {0.50E-02}				
MEAN		-.54E-03				
MINIMUM		-.71E-02				
MAXIMUM		0.38E-02				
2STD.ERR		0.16E-02				

< - Result **less** than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

0276 204 TEL. EXCHANGE (WATER VAPOR, SILICA GEL-HTO)

OFF DATE	COM	131	1 129	H 3 AIR	C 14	KR 85
02/02/87				0.76E+01 {0.16E+01}		
03/02/87				0.53E+01 {0.15E+01}		
03/34/87				0.23E+01 {0.95E+00}		
04/27/87				< 0.11E+01 {0.15E+01}		
05/28/87				< -.45E+00 {0.86E+00}		
06/22/87				< 0.19E+01 {0.12E+01}		
07/28/87				0.23E+01 {0.11E+01}		
08/17/87				0.29E+01 {0.14E+01}		
09/14/87				< 0.19E+00 {0.10E+01}		
18/12/87				0.21E+01 {0.11E+01}		
11/09/87				< 0.17E+01 {0.13E+01}		
12/07/87				< 0.82E+00 {0.15E+01}		
01/04/88				0.21E+01 {0.74E+00}		
MEAN				0.23E+01		
MINIMUM				-.45E+00		
MAXIMUM				0.76E+01		
2STD.ERR				0.12E+01		

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 92

1796 3614-A BLDG. (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE	COM	1 131	1 129	H 3 AIR	C 14	KR 85
01/19/87		< -.37E-02 {0.55E-02}				
02/02/87		< 0.14E-02 {0.42E-02}				
02/17/87		< 0.20E-02 {0.44E-02}				
03/02/87		< 0.24E-02 {0.48E-02}				
03/16/87		< 0.30E-03 {0.51E-02}				
03/30/87		< 0.98E-03 {0.49E-02}				
04/13/87		< -.78E-03 {0.49E-02}				
04/27/87		< 0.24E-02 {0.54E-02}				
05/11/87		< -.35E-02 {0.51E-02}				
05/26/87		< -.41E-02 {0.56E-02}				
06/08/87		< 0.18E-02 {0.38E-02}				
06/22/87		< 0.26E-02 {0.40E-02}				
07/07/87		< -.67E-02 {0.68E-02}				
07/20/87		< 0.17E-02 {0.36E-02}				
08/03/87		< 0.69E-02 {0.69E-02}				
08/17/87		< 0.26E-02 {0.51E-02}				
08/31/87		< -.18E-02 {0.49E-02}				
09/14/87		< -.36E-02 {0.53E-02}				
09/28/87		< 0.59E-03 {0.44E-02}				
18/12/87		< -.51E-02 {0.58E-02}				
18/26/87		< -.16E-02 {0.43E-02}				
11/09/87		< 0.91E-03 {0.37E-02}				
11/23/87		< 0.13E-02 {0.29E-02}				
12/07/87		< 0.14E-02 {0.47E-02}				
12/21/87		< 0.35E-02 {0.60E-02}				

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - **PCI/M3**

VERSION **1.0***
Page 93

1796 3814-A BLDG. (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE	COM	1 131	1 129	H 3 AIR	C 14	KR 86
01/04/88		< 0.24E-02 {0.40E-02}				
MEAN		0.16E-03				
MINIMUM		- .67E-02				
MAXIMUM		0.69E-02				
2STD.ERR		0.16E-02				

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 014688
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 94

0900 300 TRENCH (WATER VAPOR, SILICA GEL-HTO)

OFF DATE	COM	131	1 129	H 3 AIR	C 14	KR 85
01/19/87				0.10E+02 {0.13E+01}		
02/17/87				0.21E+01 {0.13E+01}		
03/16/87				0.58E+01 {0.17E+01}		
04/13/87				0.33E+01 {0.14E+01}		
06/11/87				< 0.25E+01 {0.18E+01}		
06/08/87				< 0.30E-01 {0.11E+01}		
07/07/87				0.31E+01 {0.94E+00}		
08/03/87				< 0.10E+01 {0.11E+01}		
08/31/87				< 0.52E-01 {0.71E+00}		
09/28/87				< 0.11E+00 {0.17E+00}		
10/26/87				0.37E+01 {0.10E+01}		
11/23/87				< 0.84E+00 {0.14E+01}		
12/21/87				< 0.90E+00 {0.80E+00}		
MEAN				0.26E+01		
MINIMUM				0.30E-01		
MAXIMUM				0.10E+02		
2STD.ERR				0.16E+01		

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 96

0632 300 TRENCH (GAS, SODA LIME CO2)

OFF DATE	COM	131	1 129	H 3 AIR	C 14	KR 85
03/02/87					0.13E+01	
04/27/87					{0.11E+00}	
06/22/87					0.12E+01	
08/17/87					{0.15E+00}	
10/12/87	1				0.13E+01	
12/07/87					{0.16E+00}	
					0.14E+01	
					{0.97E-01}	
					0.14E+01	
					{0.65E-01}	
					0.14E+01	
					{0.13E+00}	
MEAN					0.13E+01	
MINIMUM					0.12E+01	
MAXIMUM					0.14E+01	
2STD.ERR					0.82E-01	

< - Result less than detection limit.

{ 3 - Uncertainty for result.

NR - No result reported.

nra - Not routinely analyzed.

1 LOCATION MOVED ~100 YDS TO 300 TRENCH AND PLACED
INTO SERVICE ON 16/12/87.

1507 300 TRENCH (GAS, PRESSURIZED CYLIND)

OFF DATE	COM	131	1 129	H 3 AIR	C 14	KR 85
01/28/87						0.24E+02 {0.77E+01}
02/25/87						0.22E+02 {0.77E+01}
03/25/87						0.23E+03 {0.31E+02}
04/22/87						0.57E+02 {0.10E+02}
05/20/87						0.26E+02 {0.77E+01}
06/17/87	1					NR {NR}
07/15/87						0.30E+02 {0.99E+01}
08/12/87	2					NR {NR}
09/09/87						0.12E+03 {0.18E+02}
10/07/87	3					0.21E+02 {0.67E+01}
11/04/87						0.22E+02 {0.75E+01}
12/02/87	4					NR {NR}
12/30/87						0.20E+02 {0.81E+01}
MEAN						0.58E+02
MINIMUM						0.20E+02
MAXIMUM						0.23E+03
2STD.ERR						0.44E+02

- < - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. PROBLEM WITH COMPRESSOR.
2 NO SAMPLE. LEAKY VALVE ON TANK - 40 PSI.
3 LOCATION MOVED ~100 YDS TO 300 TRENCH AND PLACED INTO SERVICE ON 18/7/87.
4 NO SAMPLE. BAG EMPTY

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 97

6309 400 E (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE	COM	131	1 129	H 3 AIR	C 14	KR 85
01/19/87		< 0.41E-02 {0.41E-02}				
02/02/87		< -.12E-02 {0.42E-02}				
02/17/87		< -.72E-02 {0.66E-02}				
03/02/87		< -.76E-03 {0.47E-02}				
03/16/87		< -.14E-02 {0.58E-02}				
03/30/87		< -.34E-02 {0.55E-02}				
04/13/87		< 0.35E-02 {0.44E-02}				
04/27/87		< -.50E-02 {0.51E-02}				
05/11/87		< -.16E-02 {0.57E-02}				
05/26/87		< 0.45E-02 {0.45E-02}				
08/08/87		< -.22E-02 {0.52E-02}				
06/22/87		< -.20E-02 {0.52E-02}				
07/07/87		< 0.31E-03 {0.46E-02}				
07/20/87		< -.18E-02 {0.48E-02}				
08/03/87		< 0.24E-02 {0.43E-02}				
08/17/87		< 0.12E-02 {0.46E-02}				
08/31/87		< 0.66E-03 {0.49E-02}				
09/14/87		< -.54E-03 {0.39E-02}				
09/28/87		< 0.21E-02 {0.41E-02}				
18/12/87		< 0.22E-02 {0.54E-02}				
10/26/87		< -.28E-03 {0.40E-02}				
11/09/87		< 0.22E-03 {0.41E-02}				
11/23/87		< 0.15E-02 {0.47E-02}				
12/07/87		< 0.56E-02 {0.56E-02}				
12/21/87		< 0.19E-02 {0.27E-02}				

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

6309 404 E (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE	COM	131	1129	H3 AIR	C14	KR85
01/04/88		< -.13E-02 {0.49E-02}				
MEAN		0.51E-04				
MINIMUM		-.72E-02				
MAXIMUM		0.56E-02				
2STD.ERR		0.15E-02				

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

6428 400 E (WATER VAPOR, SILICA GEL-HTO)

OFF DATE COM	I 131	I 129	H 3 AIR	C 14	KR 85
01/19/87	0.35E+01				
02/17/87	< 0.16E+01				
03/16/87	{0.12E+01}				
	0.41E+01				
04/13/87	{0.15E+01}				
	0.16E+01				
05/11/87	{0.90E+00}				
	0.27E+01				
06/08/87	< 0.81E+00				
07/07/87	{0.10E+01}				
	< 0.87E+00				
08/03/87	{0.13E+01}				
	< 0.47E+00				
08/31/87	{0.14E+01}				
	< 0.62E+00				
09/28/87	< 0.31E+00				
	{0.13E+01}				
10/26/87	0.30E+01				
	{0.11E+01}				
11/23/87	< 0.22E+01				
	{0.30E+01}				
12/21/87	< 0.13E+01				
	{0.10E+01}				
MEAN	0.17E+01				
MINIMUM	0.31E+00				
MAXIMUM	0.41E+01				
2STD.ERR	0.80E+00				

< - Result less than detection limit.
 {} - Uncertainty for result.
 NR - No result reported.
 na - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 100

0287 BERG RANCH (WATER VAPOR, SILICA GEL-HTO)

OFF DATE	COM	131	1 129	H 3 AIR	C 14	KR 85
01/21/87				0.48E+01 {0.11E+01}		
02/18/87				0.87E+01 {0.14E+01}		
03/18/87				0.27E+01 {0.15E+01}		
04/16/87				0.29E+01 {0.14E+01}		
05/13/87				< 0.22E+00 {0.17E+01}		
06/10/87				0.37E+01 {0.14E+01}		
07/08/87				< 0.71E+00 {0.94E+00}		
08/05/87				< 0.18E+01 {0.18E+01}		
09/02/87				< 0.24E+00 {0.11E+01}		
09/38/87				< 0.26E+01 {0.18E+01}		
18/28/87				< 0.14E+01 {0.10E+01}		
11/25/87				< 0.28E+00 {0.20E+01}		
12/23/87				< 0.11E+01 {0.83E+00}		
MEAN				0.24E+01		
MINIMUM				0.22E+00		
MAXIMUM				0.87E+01		
2STD.ERR				0.14E+01		

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - **PCI/M3**

VERSION **1.0***
Page 101

0257 SAGEHILL MET TOWER (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE	COM	1 131	1 129	H 3 AIR	C 14	KR 85
01/07/87		< -.24E-02 {0.43E-02}				
01/21/87		< -.19E-02 {0.49E-02}				
02/04/87		< -.37E-02 {0.50E-02}				
02/18/87		< -.27E-03 {0.40E-02}				
03/04/87		< -.58E-02 {0.50E-02}				
03/18/87		< -.19E-02 {0.44E-02}				
04/01/87		< 0.13E-02 {0.41E-02}				
04/15/87		< 0.11E-02 {0.35E-02}				
04/29/87		< -.37E-02 {0.60E-02}				
05/13/87		< 0.93E-02 {0.93E-02}				
05/27/87		< -.57E-02 {0.53E-02}				
06/10/87		< -.84E-02 {0.55E-02}				
06/24/87		< 0.31E-02 {0.36E-02}				
07/08/87		< 0.59E-02 {0.64E-02}				
07/22/87		< -.16E-02 {0.49E-02}				
08/05/87		< 0.67E-03 {0.37E-02}				
08/19/87		< -.33E-02 {0.44E-02}				
09/02/87		< 0.68E-03 {0.38E-02}				
09/16/87		< -.10E-02 {0.75E-02}				
09/30/87		< 0.14E-02 {0.44E-02}				
10/14/87		< 0.57E-03 {0.43E-02}				
10/28/87		< 0.61E-03 {0.43E-02}				
11/11/87		< 0.39E-03 {0.52E-02}				
11/25/87		< 0.13E-02 {0.74E-02}				
12/09/87		< -.17E-02 {0.67E-02}				

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 110888
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 102

0267 SAGEHILL MET TOWER (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE	COM	■ 131	1 129	H 3 AIR	C 14	KR 86
12/23/87		< -.21E-02 {0.37E-02}				
01/06/88		< 0.18E-02 {0.54E-02}				
MEAN		-.57E-03				
MINIMUM		-.84E-02				
MAXIMUM		0.93E-02				
2STD.ERR		0.17E-02				

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.01
Page 103

8906 SAGEHILL MET TOWER (WATER VAPOR, SILICA GEL-HTO)

OFF DATE	COM	I 131	1 129	H 3 AIR	C 14	KR 86
01/21/87				0.62E+01 {0.14E+01}		
02/18/87				0.70E+01 {0.14E+01}		
03/18/87				< 0.14E+01 {0.13E+01}		
04/15/87				0.68E+01 {0.28E+01}		
05/13/87				< -.46E-01 {0.19E+01}		
06/10/87				0.33E+01 {0.17E+01}		
07/08/87				< 0.82E+00 {0.13E+01}		
08/05/87	1			NR {NR}		
09/02/87				< -.15E+00 {0.11E+01}		
09/30/87				< 0.18E+01 {0.18E+01}		
10/28/87				< 0.22E+01 {0.14E+01}		
11/25/87				0.29E+01 {0.16E+01}		
12/23/87				< -.18E-01 {0.72E+00}		
MEAN				0.27E+01		
MINIMUM				-.15E+00		
MAXIMUM				0.70E+01		
2STD.ERR				0.16E+01		

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. HOSE UNHOOKED.

1509 SAGEHILL MET TOWER (GAS, PRESSURIZED CYLIND)

OFF DATE COM	131	1 129	H 3 AIR	C 14	KR 85
01/29/87					0.25E+02 {0.84E+01}
02/26/87					0.32E+02 {0.78E+01}
03/26/87					0.31E+02 {0.98E+01}
04/23/87					0.39E+02 {0.94E+01}
05/21/87 1					NR {NR}
06/18/87					0.26E+02 {0.74E+01}
07/16/87 2					NR {NR}
08/13/87 3					NR {NR}
09/10/87 4					NR {NR}
10/08/87					0.21E+02 {0.80E+01}
11/05/87					0.32E+02 {0.87E+01}
12/03/87					0.25E+02 {0.69E+01}
12/31/87					0.25E+02 {0.21E+00}
MEAN					0.29E+02
MINIMUM					0.21E+02
MAXIMUM					0.39E+02
2STD.ERR					0.47E+01

- < - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. RESULT LOST DURING ANALYSIS.
2 NO SAMPLE. RESULT LOST DURING ANALYSIS PROCESS.
3 NO SAMPLE. NOT ENOUGH AIR IN BAG.
4 NO SAMPLE.

0004 **RINGOLD** MET TOWER - **RINGOLD** MET TOWER (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE	COM	131	129	H 3 AIR	C 14	KR 85
03/18/87			0.44E-05 {0.35E-06}			
07/08/87			0.80E-05 {0.66E-06}			
09/30/87			0.91E-05 {0.71E-06}			
12/23/87			0.41E-05 {0.31E-06}			
MEAN			0.64E-05			
MINIMUM			0.41E-05			
MAXIMUM			0.91E-05			
2STD.ERR			0.24E-05			

< - Result less than detection limit.
 {} - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 106

0906 RINGOLD MET TOWER (WATER VAPOR, SILICA GEL-HTO)

OFF DATE	COM	131	129	H 3 AIR	C 14	KR 85
01/21/87				0.20E+01 {0.12E+01}		
02/18/87				0.32E+01 {0.20E+01}		
03/18/87				< 0.14E+01 {0.13E+01}		
04/15/87				0.30E+01 {0.13E+01}		
05/13/87				< 0.73E+00 {0.16E+01}		
06/10/87				< 0.14E+01 {0.12E+01}		
07/08/87				< 0.15E+01 {0.12E+01}		
08/05/87				< -.44E+00 {0.13E+01}		
09/02/87				< -.70E+00 {0.12E+01}		
09/30/87				< 0.35E+01 {0.23E+01}		
18/28/87				< 0.34E+00 {0.12E+01}		
11/25/87				< 0.23E+01 {0.20E+01}		
12/23/87				< 0.57E+00 {0.69E+00}		
MEAN				0.14E+01		
MINIMUM				-.70E+00		
MAXIMUM				0.35E+01		
2STD.ERR				0.84 E+00		

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 107

1504 RINGOLD MET TOWER (GAS, PRESSURIZED CYLIND)

OFF DATE	COM	1 131	1 129	H 3 AIR	C 14	KR 85
01/29/87						0.22E+02 {0.62E+01}
02/26/87						0.19E+02 {0.67E+01}
03/26/87	1					NR {NR}
04/23/87						0.25E+02 {0.72E+01}
05/21/87						0.30E+02 {0.94E+01}
06/18/87						0.28E+02 {0.11E+02}
07/18/87	2					NR {NR}
08/13/87						0.80E+02 {0.12E+02}
09/10/87						0.52E+02 {0.10E+02}
10/08/87						0.23E+02 {0.10E+02}
11/05/87						0.32E+02 {0.88E+01}
12/03/87						0.26E+02 {0.11E+02}
12/31/87	3					NR {NR}
MEAN						0.34E+02
MINIMUM						0.19E+02
MAXIMUM						0.80E+02
2STD.ERR						0.12E+02

- < - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. INSUFFICIENT SAMPLE.
2 NO SAMPLE. NO AIR IN BAG.
3 NO SAMPLE. NO AIR FLOW - BAG EMPTY.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 108

6392 WEST END OF FIR RD (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE	COM	131	1 129	H 3 AIR	C 14	KR 85
01/14/87		< -.50E-02 {0.52E-02}				
01/28/87		< -.10E-01 {0.82E-02}				
02/11/87		< -.27E-02 {0.71E-02}				
02/25/87		< -.88E-02 {0.59E-02}				
03/11/87		< -.41E-02 {0.49E-02}				
03/25/87		< -.14E-03 {0.52E-02}				
04/08/87		< -.24E-02 {0.43E-02}				
04/22/87		< -.63E-03 {0.53E-02}				
05/06/87		< -.16E-02 {0.69E-02}				
05/20/87		< -.38E-02 {0.57E-02}				
06/03/87		< 0.19E-02 {0.50E-02}				
06/17/87		< 0.22E-02 {0.27E-02}				
07/01/87		< 0.13E-03 {0.42E-02}				
07/15/87		< 0.15E-02 {0.44E-02}				
07/29/87	1	NR {NR}				
08/12/87		< 0.27E-02 {0.35E-02}				
08/26/87		< -.30E-03 {0.43E-02}				
09/09/87		< 0.15E-02 {0.38E-02}				
09/23/87		< 0.15E-03 {0.47E-02}				
10/07/87		< -.15E-03 {0.46E-02}				
10/21/87		< -.12E-02 {0.54E-02}				
11/04/87		< 0.68E-03 {0.38E-02}				
11/18/87		< -.70E-02 {0.74E-02}				
12/02/87		< 0.26E-02 {0.48E-02}				

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. POWER OFF.

6393 WEST END OF FIR RD (WATER VAPOR, SILICA GEL-HTO)

OFF DATE	COM	131	129	H 3 AIR	C 14	KR 86
-----	---	-----	-----	-----	-----	-----
01/14/87				0.25E+01 {0.36E+00}		
02/11/87				0.18E+01 {0.45E+00}		
03/11/87				0.10E+01 {0.31E+00}		
04/08/87				0.94E+00 {0.32E+00}		
06/06/87				< 0.39E+00 {0.35E+00}		
08/03/87				< 0.11E+00 {0.16E+00}		
07/01/87				< 0.46E+00 {0.29E+00}		
07/29/87				0.57E+00 {0.30E+00}		
08/26/87				0.67E+00 {0.36E+00}		
09/23/87				< 0.77E-01 {0.19E+00}		
10/21/87				0.50E+00 {0.12E+00}		
11/18/87				< 0.22E+00 {0.25E+00}		
12/16/87				0.13E+01 {0.28E+00}		
-----	---	-----	-----	-----	-----	-----
MEAN				0.81E+00		
MINIMUM				0.77E-01		
MAXIMUM				0.25E+01		
2STD.ERR				0.40E+00		

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

8392 WEST END OF FIR RD (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE	COM	131	129	H 3 AIR	C 14	KR 85
12/16/87		< 0.78E-03 {0.49E-02}				
12/30/87		0.49E-02 {0.48E-02}				
MEAN		.12E-02				
MINIMUM		.10E-01				
MAXIMUM		0.49E-02				
2STD.ERR		0.18E-02				

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.
 1 NO SAMPLE. POWER OFF.

1503 WEST END OF FIR RD (GAS, PRESSURIZED CYLIND)

OFF DATE	COM	I 131	1 129	H 3 AIR	C 14	KR 86
01/28/87						0.23E+02 {0.78E+01}
02/25/87	1					NR {NR}
03/25/87						0.27E+02 {0.64E+01}
04/22/87						0.23E+02 {0.62E+01}
05/20/87						0.25E+02 {0.64E+01}
06/17/87	2					NR {NR}
07/15/87						0.25E+02 {0.84E+01}
08/12/87	3					NR {NR}
09/09/87						0.13E+03 {0.18E+02}
10/07/87	4					NR {NR}
11/04/87						0.30E+02 {0.74E+01}
12/02/87	5					NR {NR}
12/30/87						0.39E+02 {0.12E+02}
MEAN						0.40E+02
MINIMUM						0.23E+02
MAXIMUM						0.13E+03
2STD.ERR						0.26E+02

< - Result less than detection limit.

{ } - Uncertainty for result.

NR - No result reported.

nra - Not routinely analyzed.

1 NO SAMPLE. NEW PUMP INSTALLED 2/26/87.

2 NO SAMPLE. SAMPLE LOST DURING ANALYSIS.

3 NO SAMPLE. SAMPLE WAS LOST DURING ANALYSIS PROCESS.

4 NO SAMPLE. NOT ENOUGH AIR, 35 PSI.

5 NO SAMPLE. LOST

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 810688
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 112

6352 PETTETT FARM (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE	COM	■ 131	■ 129	H 3 AIR	C 14	KR 85
01/14/87		< 0.11E-02 {0.44E-02}				
01/28/87		< 0.46E-02 {0.62E-02}				
02/11/87		< 0.54E-02 {0.54E-02}				
02/25/87		< -.32E-03 {0.47E-02}				
03/11/87		< 0.26E-02 {0.45E-02}				
03/25/87		< 0.34E-02 {0.48E-02}				
04/08/87		< 0.74E-03 {0.48E-02}				
04/22/87		< 0.22E-02 {0.39E-02}				
05/06/87		< 0.20E-02 {0.61E-02}				
05/20/87	1	NR {NR}				
06/03/87		< 0.38E-02 {0.41E-02}				
06/17/87		< 0.27E-02 (0.54 E-02)				
07/01/87		< -.77E-02 {0.62E-02}				
07/15/87		< 0.82E-03 {0.41E-02}				
07/29/87		< 0.17E-02 {0.37E-02}				
08/12/87		< -.49E-03 {0.51E-02}				
08/26/87		< 0.46E-02 {0.46E-02}				
09/09/87		< -.21E-02 {0.55E-02}				
09/23/87		< -.13E-03 {0.42E-02}				
10/07/87		< 0.61E-02 {0.61E-02}				
18/21/87		< 0.52E-02 {0.52E-02}				
11/04/87		< -.45E-02 {0.64E-02}				
11/18/87		< 0.16E-02 {0.46E-02}				
12/02/87		< -.86E-03 {0.44E-02}				

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. NOT ENOUGH HOURS.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
 AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
 Page 113

6352 PETTETT FARM (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE COM	131	129	H 3 AIR	C 14	KR 85
12/18/87	< 0.25E-02 {0.41E-02}				
12/30/87	< -.74E-02 {0.72E-02}				
MEAN	0.11E-02				
MINIMUM	-.77E-02				
MAXIMUM	0.61E-02				
2STD.ERR	0.18E-02				

< - Result less than detection limit.
 (3 - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.
 1 NO SAMPLE. NOT ENOUGH HOURS.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 114

0246 BYERS LANDING (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE	COM	131	129	H 3 AIR	C 14	KR 85
01/14/87		< 0.53E-02 {0.53E-02}				
01/28/87		< 0.12E-02 {0.63E-02}				
02/11/87		< -.47E-02 {0.77E-02}				
02/25/87		< -.60E-02 {0.59E-02}				
03/11/87		< 0.42E-02 {0.42E-02}				
03/25/87		< 0.17E-02 {0.37E-02}				
04/08/87		< -.33E-02 {0.44E-02}				
04/22/87		< -.22E-02 {0.44E-02}				
05/06/87		< 0.16E-02 {0.62E-02}				
05/20/87		< -.18E-02 {0.42E-02}				
06/03/87		< -.26E-03 {0.38E-02}				
06/17/87		< -.17E-02 {0.39E-02}				
07/01/87		< 0.15E-02 {0.46E-02}				
07/15/87		< -.33E-02 {0.49E-02}				
07/29/87		< 0.48E-03 {0.51E-02}				
08/12/87		< -.31E-03 {0.46E-02}				
08/26/87	1	NR {NR}				
09/09/87		< 0.56E-02 {0.56E-02}				
09/23/87		< -.16E-02 {0.42E-02}				
10/07/87	2	NR {NR}				
18/21/87		< -.22E-02 {0.60E-02}				
11/04/87		< -.46E-02 {0.45E-02}				
11/18/87		< -.24E-03 {0.55E-02}				
12/02/87		< 0.00E+00 {0.48E-02}				

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. SAVE FOR COMPOSITE.
2 NO SAMPLE. FILTER CLOGGED.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
 AIR - GASES AND VAPOR - **PCI/M3**

VERSION **1.0***
 Page 115

0246 BYERS LANDING (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE COM	1 131	1 129	H 3 AIR	C 14	KR 85
12/16/87	< 0.18E-02 {0.40E-02}				
12/30/87	< 0.58E-03 {0.61E-02}				
MEAN	-.35E-03				
MINIMUM	-.60E-02				
MAXIMUM	0.58E-02				
2STD.ERR	0.16E-02				

< - Result less than detection limit.
 {} - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.
 1 NO SAMPLE. SAVE FOR COMPOSITE.
 2 NO SAMPLE. FILTER CLOGGED.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - **PCI/M3**

VERSION **1.0***
Page 116

0005 BYERS LANDING - **BYERS** LANDING (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE	COM	■ 131	■ 129	H 3 AIR	C 14	KR 85
01/14/87			0.82E-05			
			{0.75E-06}			
04/08/87			0.98E-05			
			{0.76E-06}			
07/01/87			0.11E-04			
			{0.91E-06}			
09/23/87			0.15E-04			
			{0.12E-05}			
MEAN			0.11E-04			
MINIMUM			0.82E-05			
MAXIMUM			0.15E-04			
2STD.ERR			0.34 E-05			

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0+
Page 117

0273 BYERS LANDING (WATER VAPOR, SILICA GEL-HTO)

OFF DATE	COM	131	1129	H 3 AIR	C 14	KR 85
01/14/87				0.15E+01 {0.94E+00}		
02/11/87				0.69E+01 {0.16E+01}		
03/11/87				0.39E+01 {0.15E+01}		
04/08/87				0.16E+01 {0.97E+00}		
05/06/87				< 0.10E+01 {0.90E+00}		
06/03/87				< 0.15E+01 {0.11E+01}		
07/01/87				0.15E+01 {0.72E+00}		
07/29/87				< 0.73E+00 {0.10E+01}		
08/26/87				< 0.41E+00 {0.16E+01}		
09/23/87				< 0.42E-01 {0.90E+00}		
10/21/87				< 0.14E+01 {0.85E+00}		
11/18/87				< 0.88E+00 {0.98E+00}		
12/16/87				< -.23E-01 {0.14E+01}		
MEAN				0.16E+01		
MINIMUM				-.23E-01		
MAXIMUM				0.69E+01		
2STD.ERR				0.11E+01		

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 118

6248 PROSSER BARRICADE (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE	COM	131	I 129	H 3 AIR	C 14	KR 85
01/19/87	<	0.17E-02				
	{	0.38E-02				
02/02/87	<	0.30E-03				
	{	0.51E-02				
02/17/87	<	- .26E-02				
	{	0.58E-02				
03/02/87	<	0.12E-02				
	{	0.47E-02				
03/16/87	<	- .96E-03				
	{	0.48E-02				
03/30/87	<	0.41E-02				
	{	0.41E-02				
04/13/87	<	0.41E-02				
	{	0.51E-02				
04/27/87	<	0.00E+00				
	{	0.00E+00				
05/11/87	<	- .26E-02				
	{	0.58E-02				
05/26/87	<	- .58E-03				
	{	0.89E-02				
06/08/87	<	- .80E-02				
	{	0.63E-02				
06/22/87	<	0.47E-02				
	{	0.47E-02				
07/07/87	<	- .28E-02				
	{	0.50E-02				
07/20/87	<	- .25E-02				
	{	0.49E-02				
08/03/87	<	0.31E-02				
	{	0.36E-02				
08/17/87	<	- .66E-02				
	{	0.54E-02				
08/31/87	<	- .18E-02				
	{	0.41E-02				
09/14/87	<	0.66E-02				
	{	0.66E-02				
09/28/87	<	0.30E-03				
	{	0.52E-02				
10/12/87	<	- .19E-02				
	{	0.63E-02				
10/26/87	<	0.14E-02				
	{	0.56E-02				
11/09/87	<	- .66E-02				
	{	0.82E-02				
11/23/87	<	0.42E-02				
	{	0.42E-02				
12/07/87	<	0.31E-02				
	{	0.33E-02				
12/21/87	<	0.39E-02				
	{	0.63E-02				

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 119

6248 PROSSER BARRICADE (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE	COM	131	1 129	H 3 AIR	C 14	KR 85
01/04/88		< 0.84E-03 {0.37E-02}				
MEAN		0.11E-03				
MINIMUM		-.80E-02				
MAXIMUM		0.66E-02				
2STD.ERR		0.18E-02				

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 810787 TO 010688
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 120

0908 PROSSER BARRICADE (WATER VAPOR, SILICA GEL-HTO)

OFF DATE COM	I 131	1 129	H 3 AIR	C 14	KR 86
-----	-----	-----	-----	-----	-----
01/19/87			0.30E+01 {0.12E+01}		
02/17/87			< 0.13E+01 {0.14E+01}		
03/16/87			< 0.18E+01 {0.14E+01}		
04/13/87			0.30E+01 {0.15E+01}		
06/11/87			0.40E+01 {0.18E+01}		
06/08/87			< 0.11E+00 {0.94E+00}		
07/07/87			< 0.11E+01 {0.12E+01}		
08/03/87			< -.61E+00 {0.11E+01}		
08/31/87			< 0.33E+00 {0.98E+00}		
09/28/87			< -.12E+01 {0.12E+01}		
18/26/87			0.17E+01 {0.95E+00}		
11/23/87			< 0.22E+01 {0.31E+01}		
12/21/87			< 0.17E+01 {0.93E+00}		
-----	-----	-----	-----	-----	-----
MEAN			0.14E+01		
MINIMUM			-.12E+01		
MAXIMUM			0.40E+01		
2STD.ERR			0.92E+00		

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0+
Page 121

1502 PROSSER BARRICADE (GAS, PRESSURIZED CYLIND)

OFF DATE COM	I 131	I 129	H 3 AIR	C 14	KR 85
01/28/87					0.22E+02 {0.77E+01}
02/25/87	1				NR {NR}
03/25/87					< NR {NR}
04/22/87					0.61E+02 {0.10E+02}
05/20/87					0.66E+02 {0.14E+02}
06/17/87					0.18E+02 {0.94E+01}
07/15/87					0.19E+02 {0.80E+01}
08/12/87					0.31E+02 {0.66E+01}
09/09/87	2				NR {NR}
10/07/87					0.34E+02 {0.81E+01}
11/04/87					0.23E+02 {0.81E+01}
12/02/87					0.23E+02 {0.75E+01}
12/30/87					0.18E+02 {0.64E+01}
MEAN					0.31E+02
MINIMUM					0.18E+02
MAXIMUM					0.66E+02
2STD.ERR					0.12E+02

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. INSUFFICIENT SAMPLE (20 LBS).
2 NO SAMPLE. TANK LEAKED.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 122

0902 YAKIMA BARRICADE (WATER VAPOR, SILICA GEL-HTO)

OFF DATE COM	I 131	I 129	H 3 AIR	C 14	KR 85
01/19/87			0.57E+01		
			{0.12E+01}		
02/17/87			0.74E+01		
			{0.14E+01}		
03/18/87			0.11E+02		
			{0.18E+01}		
04/13/87			0.83E+01		
			{0.16E+01}		
05/11/87			< 0.20E+00		
			{0.81E+00}		
06/08/87			< 0.29E-01		
			{0.11E+01}		
07/07/87			0.15E+01		
			{0.88E+00}		
08/03/87			< 0.31E+00		
			{0.11E+01}		
08/31/87			0.27E+01		
			{0.16E+01}		
09/28/87			< 0.28E+00		
			{0.12E+01}		
10/26/87			0.28E+01		
			{0.10E+01}		
11/23/87			< 0.18E+01		
			{0.12E+01}		
12/21/87			< 0.80E+00		
			{0.79E+00}		
MEAN			0.33E+01		
MINIMUM			0.29E-01		
MAXIMUM			0.11E+02		
2STD.ERR			0.20E+01		

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 123

0208 WAHLUKE SLOPE NO.2 (WATER VAPOR, SILICA GEL-HTO)

OFF DATE COM	I 131	I 129	H 3 AIR	C 14	KR 85
01/26/87			< 0.63E+00 {0.95E+00}		
02/23/87			0.41E+01 {0.14E+01}		
03/23/87			0.29E+01 {0.14E+01}		
04/20/87			0.17E+01 {0.94E+00}		
05/18/87			< 0.21E+01 {0.17E+01}		
06/15/87			< 0.10E+01 {0.78E+00}		
07/13/87			< 0.10E+01 {0.10E+01}		
08/10/87			< 0.37E+00 {0.47E+00}		
09/08/87			< - .35E+00 {0.11E+01}		
10/05/87			< 0.10E+01 {0.19E+01}		
11/02/87			< 0.13E+01 {0.12E+01}		
11/30/87			< 0.13E+01 {0.14E+01}		
12/28/87	1		NR {NR}		
MEAN			0.14E+01		
MINIMUM			- .35E+00		
MAXIMUM			0.41E+01		
2STD.ERR			0.77E+00		

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. NEW SILICA GEL INSTALLED.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 124

1511 OTHELLO (GAS, PRESSURIZED CYLIND)

OFF DATE	COM	I 131	I 129	H 3 AIR	C 14	KR 85
01/29/87						0.23E+02 {0.85E+01}
02/28/87						0.26E+02 {0.72E+01}
03/28/87						0.30E+02 {0.88E+01}
04/23/87						0.29E+02 {0.70E+01}
05/21/87						0.31E+02 {0.88E+01}
06/18/87						0.41E+02 {0.12E+02}
07/18/87						0.45E+02 {0.98E+01}
08/13/87	1					NR {NR}
09/10/87						0.25E+02 {0.77E+01}
10/08/87	2					NR {NR}
11/05/87						0.19E+02 {0.72E+01}
12/03/87						0.17E+02 {0.84E+01}
12/31/87						0.25E+02 {0.82E+01}
MEAN						0.28E+02
MINIMUM						0.17E+02
MAXIMUM						0.45E+02
2STD.ERR						0.57E+01

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. CYLINDER LEAKED.
2 NO SAMPLE. LOST DURING ANALYSIS.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 125

0635 ELTOPIA (GAS, PRESSURIZED CYLIND)

OFF DATE COM	I 131	I 129	H 3 AIR	C 14	KR 85
01/29/87					0.29E+02 {0.74E+01}
02/26/87					0.17E+02 {0.69E+01}
03/26/87 1					NR {NR}
04/23/87 2					NR {NR}
05/21/87					0.23E+02 {0.89E+01}
06/18/87					0.21E+02 {0.74E+01}
07/16/87					0.34E+02 {0.11E+02}
08/13/87					0.43E+02 {0.88E+01}
09/10/87					0.17E+02 {0.68E+01}
10/08/87					0.22E+02 {0.78E+01}
11/05/87					0.25E+02 {0.77E+01}
12/03/87					0.30E+02 {0.80E+01}
12/31/87					0.26E+02 {0.74E+01}
MEAN					0.26E+02
MINIMUM					0.17E+02
MAXIMUM					0.43E+02
2STD.ERR					0.52E+01

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. INSUFFICIENT SAMPLE.
2 NO SAMPLE. BLADDER BROKE AROUND SEAMS, WILL REPLACE.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 126

0038 PASCO (GAS, PRESSURIZED CYLIND)

OFF DATE	COM	I 131	I 129	H 3 AIR	C 14	KR 85
01/29/87						0.19E+02 {0.67E+01}
02/27/87						0.33E+02 {0.94E+01}
03/26/87						0.36E+02 {0.87E+01}
04/23/87						0.29E+02 {0.69E+01}
05/21/87						0.31E+02 {0.82E+01}
06/18/87						0.24E+02 {0.71E+01}
07/16/87						0.28E+02 {0.72E+01}
08/13/87	1					NR {NR}
09/10/87						0.48E+02 {0.94E+01}
10/09/87						0.22E+02 {0.83E+01}
11/05/87						0.22E+02 {0.72E+01}
12/03/87	2					NR {NR}
12/31/87						0.24E+02 {0.78E+01}
MEAN						0.29E+02
MINIMUM						0.19E+02
MAXIMUM						0.48E+02
2STD.ERR						0.55E+01

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. LEAK IN SYSTEM.
2 NO SAMPLE. LOST DURING ANALYSIS.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 127

6207 RICHLAND 700 AREA (WATER VAPOR, SILICA GEL-HTO)

OFF DATE COM	I 131	I 129	H 3 AIR	C 14	KR 85
01/14/87			< 0.22E+01 {0.17E+01}		
02/11/87			< 0.11E+01 {0.10E+01}		
03/11/87			< 0.11E+01 {0.05E+00}		
04/08/87			0.49E+01 {0.27E+01}		
05/06/87			< 0.21E+01 {0.17E+01}		
06/03/87			< -.48E+00 {0.11E+01}		
07/01/87			0.29E+01 {0.13E+01}		
07/29/87			< 0.13E+01 {0.11E+01}		
08/26/87			< 0.05E+00 {0.11E+01}		
09/23/87			< -.73E+00 {0.21E+01}		
10/21/87			0.38E+01 {0.95E+00}		
11/18/87			< -.21E+01 {0.34E+01}		
12/16/87			< 0.28E+00 {0.10E+01}		
MEAN			0.13E+01		
MINIMUM			-.21E+01		
MAXIMUM			0.49E+01		
2STD.ERR			0.12E+01		

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 128

1070 BENTON CITY (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE COM	I 131	I 129	H 3 AIR	C 14	KR 85
01/13/87	< 0.12E-02 {0.58E-02}				
01/27/87	< 0.00E+00 {0.39E-02}				
02/10/87	< -.18E-03 {0.57E-02}				
02/24/87	< 0.19E-02 {0.49E-02}				
03/10/87	< 0.19E-02 {0.43E-02}				
03/24/87	< -.51E-02 {0.50E-02}				
04/07/87	< 0.34E-02 {0.52E-02}				
04/21/87	< 0.24E-02 {0.42E-02}				
05/05/87	< -.35E-02 {0.41E-02}				
05/19/87	< 0.23E-02 {0.40E-02}				
06/02/87	< 0.75E-03 {0.48E-02}				
06/16/87	< 0.20E-02 {0.51E-02}				
06/30/87	< 0.38E-02 {0.38E-02}				
07/14/87	< 0.19E-02 {0.41E-02}				
07/28/87	< 0.44E-02 {0.44E-02}				
08/11/87	< 0.38E-02 {0.46E-02}				
08/25/87	< -.55E-02 {0.55E-02}				
09/08/87	< 0.44E-02 {0.44E-02}				
09/22/87	< -.70E-02 {0.52E-02}				
10/06/87	< 0.55E-02 {0.55E-02}				
10/20/87	< 0.14E-03 {0.46E-02}				
11/03/87	< -.55E-02 {0.47E-02}				
11/17/87	< -.13E-02 {0.89E-02}				
12/01/87	< 0.31E-02 {0.46E-02}				
12/15/87	< 0.24E-02 {0.41E-02}				

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 129

1870 BENTON CITY (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE COM	I 131	I 129	H 3 AIR	C 14	KR 85
12/29/87	< -.55E-02 {0.55E-02}				
MEAN	0.48E-03				
MINIMUM	-.70E-02				
MAXIMUM	0.55E-02				
2STD.ERR	0.17E-02				

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010797 TO 010888
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 130

1680 SUNNYSIDE (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE	COM	I 131	I 129	H 3 AIR	C 14	KR 85
01/13/87		< 0.54E-02 {0.54E-02}				
01/27/87		< -.35E-02 {0.42E-02}				
02/10/87		< -.03E-02 {0.63E-02}				
02/24/87		< -.35E-03 {0.51E-02}				
03/10/87		< 0.22E-02 {0.43E-02}				
03/24/87		< 0.15E-02 {0.52E-02}				
04/07/87		< -.13E-03 {0.42E-02}				
04/21/87		< -.75E-02 {0.61E-02}				
05/05/87		< 0.40E-02 {0.40E-02}				
05/19/87		< -.57E-02 {0.50E-02}				
06/02/87		< -.18E-02 {0.43E-02}				
06/16/87		< 0.41E-03 {0.37E-02}				
06/30/87		< -.33E-02 {0.54E-02}				
07/14/87		< 0.32E-02 {0.51E-02}				
07/28/87		< -.21E-02 {0.48E-02}				
08/11/87		< -.22E-02 {0.50E-02}				
08/25/87		< -.26E-02 {0.44E-02}				
09/08/87		< 0.44E-03 {0.40E-02}				
09/22/87		< -.12E-02 {0.41E-02}				
10/06/87		< -.29E-02 {0.58E-02}				
10/20/87		< 0.71E-03 {0.46E-02}				
11/03/87		< 0.24E-03 {0.46E-02}				
11/17/87		< -.16E-02 {0.64E-02}				
12/01/87		< -.40E-02 {0.49E-02}				
12/15/87		< 0.63E-02 {0.63E-02}				

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 131

1680 SUNNYSIDE (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE COM	I 131	I 129	H 3 AIR	C 14	KR 85
12/29/87	< -.54E-02 {0.49E-02}				
MEAN	-.10E-02				
MINIMUM	-.75E-02				
MAXIMUM	0.63E-02				
2STD.ERR	0.17E-02				

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 132

0910 SUNNYSIDE (WATER VAPOR, SILICA GEL-HTO)

OFF DATE COM	I 131	I 129	H 3 AIR	C 14	KR 85
01/27/87			< 0.22E+01 {0.20E+01}		
02/24/87			< 0.22E+01 {0.15E+01}		
03/24/87			0.59E+01 {0.35E+01}		
04/21/87			< 0.57E+00 {0.28E+01}		
05/19/87			0.31E+01 {0.12E+01}		
06/16/87			< 0.80E+00 {0.98E+00}		
07/14/87			< 0.21E+01 {0.13E+01}		
08/11/87			< 0.13E+01 {0.18E+01}		
09/08/87			< -.99E+00 {0.11E+01}		
10/06/87			< 0.20E+01 {0.15E+01}		
11/03/87			< 0.13E+00 {0.68E+00}		
12/01/87			0.38E+01 {0.18E+01}		
12/29/87			0.51E+01 {0.12E+01}		
MEAN			0.22E+01		
MINIMUM			-.99E+00		
MAXIMUM			0.59E+01		
2STD.ERR			0.12E+01		

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 133

0922 SUNNYSIDE (GAS, SODA LIME CO2)

OFF DATE COM	I 131	I 129	H 3 AIR	C 14	KR 85
02/10/87				0.13E+01 {0.66E-01}	
04/07/87				0.14E+01 {0.77E-01}	
06/02/87				0.12E+01 {0.15E+00}	
07/28/87				0.14E+01 {0.86E-01}	
09/22/87				0.13E+01 {0.12E+00}	
11/17/87				0.12E+01 {0.15E+00}	
MEAN				0.13E+01	
MINIMUM				0.12E+01	
MAXIMUM				0.14E+01	
2STD.ERR				0.72E-01	

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 134

1505 SUNNYSIDE (GAS, PRESSURIZED CYLIND)

OFF DATE	COM	I 131	I 129	H 3 AIR	C 14	KR 85
01/29/87						0.16E+02 {0.71E+01}
02/26/87						0.27E+02 {0.73E+01}
03/26/87						0.16E+02 {0.66E+01}
04/23/87						0.34E+02 {0.87E+01}
05/21/87						0.29E+02 {0.86E+01}
06/18/87						0.48E+02 {0.11E+02}
07/16/87						0.32E+02 {0.88E+01}
08/13/87	1					NR {NR}
09/10/87						0.33E+02 {0.71E+01}
10/09/87						0.18E+02 {0.79E+01}
11/05/87						0.24E+02 {0.86E+01}
12/03/87						0.21E+02 {0.86E+01}
12/31/87						0.32E+02 {0.11E+02}
MEAN						0.27E+02
MINIMUM						0.16E+02
MAXIMUM						0.48E+02
2STD.ERR						0.59E+01

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. LEAK IN SYSTEM.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 135

0630 YAKIMA (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE COM	I 131	I 129	H 3 AIR	C 14	KR 85
01/13/87	< 0.32E-02 {0.37E-02}				
01/27/87	< 0.22E-02 {0.46E-02}				
02/10/87	< 0.29E-02 {0.43E-02}				
02/24/87	< 0.44E-02 {0.44E-02}				
03/10/87	< -.27E-02 {0.48E-02}				
03/24/87	< -.16E-02 {0.43E-02}				
04/07/87	< -.46E-02 {0.54E-02}				
04/21/87	< -.26E-02 {0.46E-02}				
05/05/87	< -.12E-02 {0.40E-02}				
05/19/87	< -.43E-02 {0.51E-02}				
06/02/87	< -.13E-03 {0.42E-02}				
06/16/87	< 0.33E-02 {0.41E-02}				
06/30/87	< -.12E-02 {0.50E-02}				
07/14/87	< 0.21E-02 {0.41E-02}				
07/28/87	< 0.16E-02 {0.41E-02}				
08/11/87	< 0.19E-02 {0.42E-02}				
08/25/87	< -.48E-02 {0.49E-02}				
09/08/87	< -.30E-02 {0.49E-02}				
09/22/87	< -.49E-02 {0.47E-02}				
10/06/87	< -.31E-02 {0.55E-02}				
10/20/87	< 0.45E-02 {0.46E-02}				
11/03/87	< -.20E-02 {0.50E-02}				
11/17/87	< 0.27E-02 {0.50E-02}				
11/17/87	< 0.27E-02 {0.54E-02}				
12/01/87	< -.50E-02 {0.55E-02}				
12/15/87	< 0.28E-02 {0.37E-02}				

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 136

0630 YAKIMA (HALOGEN, CHARCOAL CARTRIDGE)

OFF DATE COM	I 131	I 129	H 3 AIR	C 14	KR 85
12/29/87	< -.38E-03 {0.44E-02}				
MEAN	-.37E-03				
MINIMUM	-.50E-02				
MAXIMUM	0.45E-02				
2STD.ERR	0.15E-02				

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 137

0631 YAKIMA (WATER VAPOR, SILICA GEL-HTO)

OFF DATE COM	I 131	I 129	H 3 AIR	C 14	KR 85
01/27/87			< 0.27E+01 {0.24E+01}		
02/24/87			0.81E+01 {0.24E+01}		
03/24/87			0.17E+01 {0.12E+01}		
04/21/87			< 0.12E+01 {0.13E+01}		
05/19/87			0.25E+01 {0.11E+01}		
06/16/87			0.22E+01 {0.10E+01}		
07/14/87			< 0.21E+01 {0.15E+01}		
08/11/87			< 0.37E+00 {0.13E+01}		
09/08/87			< -.36E+00 {0.11E+01}		
10/06/87			< 0.38E+00 {0.11E+01}		
11/03/87			< 0.27E+01 {0.17E+01}		
12/01/87			< 0.47E+01 {0.31E+01}		
12/29/87			< 0.20E+01 {0.17E+01}		
MEAN			0.22E+01		
MINIMUM			-.36E+00		
MAXIMUM			0.81E+01		
2STD.ERR			0.11E+01		

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 138

0633 YAKIMA (GAS, SODA LIME CO2)

OFF DATE COM	I 131	I 129	H 3 AIR	C 14	KR 85
02/10/87				0.14E+01 {0.62E-01}	
04/07/87				0.14E+01 {0.90E-01}	
06/02/87				0.12E+01 {0.15E+00}	
07/28/87				0.13E+01 {0.11E+00}	
09/22/87				0.13E+01 {0.10E+00}	
11/17/87				0.13E+01 {0.12E+00}	
MEAN				0.13E+01	
MINIMUM				0.12E+01	
MAXIMUM				0.14E+01	
2STD.ERR				0.86E-01	

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
AIR - GASES AND VAPOR - PCI/M3

VERSION 1.0*
Page 139

0634 YAKIMA (GAS, PRESSURIZED CYLIND)

OFF DATE	COM	I 131	I 129	H 3 AIR	C 14	KR 85
01/29/87						0.29E+02 {0.83E+01}
02/26/87	1					NR {NR}
03/26/87	2					NR {NR}
04/23/87						0.29E+02 {0.75E+01}
05/21/87						0.32E+02 {0.15E+02}
06/18/87						0.42E+02 {0.11E+02}
07/16/87						0.35E+02 {0.96E+01}
08/13/87						0.24E+02 {0.58E+01}
09/10/87						0.27E+02 {0.84E+01}
10/09/87						0.29E+02 {0.74E+01}
11/05/87						0.24E+02 {0.86E+01}
12/03/87						0.28E+02 {0.82E+01}
12/31/87						0.22E+02 {0.71E+01}
MEAN						0.29E+02
MINIMUM						0.22E+02
MAXIMUM						0.42E+02
2STD.ERR						0.44E+01

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. INSUFFICIENT SAMPLE.
2 NO SAMPLE.

1000 RICHLAND PUMP HOUS - RICHLAND PUMP HOUS (CUMULATIVE, UNFILTERED)

OFF DATE	COM	LOALPHA	BETA	LO H 3	SR 89	SR 90	U 234	U 235	U 238
02/03/87		0.39E+00	0.15E+01	0.14E+03	< 0.73E-01	0.14E+00	0.30E+00	0.15E-01	0.28E+00
		{0.31E+00}	{0.13E+01}	{0.11E+02}	{0.85E-01}	{0.43E-01}	{0.47E-01}	{0.10E-01}	{0.46E-01}
03/03/87		0.53E+00	0.13E+01	0.13E+03	< 0.63E-01	0.16E+00	0.45E+00	0.37E-01	0.35E+00
		{0.35E+00}	{0.12E+01}	{0.10E+02}	{0.75E-01}	{0.34E-01}	{0.61E-01}	{0.17E-01}	{0.54E-01}
03/31/87		0.88E+00	< 0.37E+00	0.13E+03	< 0.91E-01	0.18E+00	0.31E+00	0.98E-02	0.23E+00
		{0.43E+00}	{0.11E+01}	{0.10E+02}	{0.10E+00}	{0.43E-01}	{0.49E-01}	{0.88E-02}	{0.43E-01}
04/28/87		0.89E+00	< 0.11E+01	0.13E+03	< 0.38E-01	0.16E+00	0.30E+00	0.14E-01	0.20E+00
		{0.43E+00}	{0.13E+01}	{0.56E+01}	{0.75E-01}	{0.43E-01}	{0.47E-01}	{0.10E-01}	{0.38E-01}
06/02/87		0.32E+00	0.24E+01	0.68E+02	< 0.38E-01	0.11E+00	0.14E+00	0.10E-01	0.18E+00
		{0.30E+00}	{0.14E+01}	{0.52E+01}	{0.68E-01}	{0.24E-01}	{0.35E-01}	{0.92E-02}	{0.38E-01}
06/30/87		0.69E+00	< 0.10E+01	0.13E+03	< 0.58E-01	0.11E+00	0.28E+00	< 0.35E-02	0.19E+00
		{0.42E+00}	{0.12E+01}	{0.61E+01}	{0.85E-01}	{0.47E-01}	{0.48E-01}	{0.84E-02}	{0.39E-01}
07/28/87		0.89E+00	< 0.33E+00	0.13E+03	0.11E+00	0.99E-01	0.30E+00	< 0.48E-02	0.28E+00
		{0.48E+00}	{0.11E+01}	{0.62E+01}	{0.75E-01}	{0.34E-01}	{0.53E-01}	{0.77E-02}	{0.50E-01}
09/01/87		< 0.48E-01	0.14E+01	0.13E+03	< 0.29E-01	0.12E+00	0.21E+00	0.15E-01	0.18E+00
		{0.28E+00}	{0.14E+01}	{0.92E+01}	{0.78E-01}	{0.30E-01}	{0.41E-01}	{0.11E-01}	{0.38E-01}
09/29/87		< 0.95E-01	< 0.21E+00	0.18E+03	< 0.10E-03	0.14E+00	0.24E+00	< 0.77E-02	0.17E+00
		{0.27E+00}	{0.12E+01}	{0.97E+01}	{0.81E-01}	{0.47E-01}	{0.45E-01}	{0.10E-01}	{0.38E-01}
11/03/87		0.75E+00	0.16E+01	0.11E+03	< .45E-01	0.12E+00	0.26E+00	< 0.80E-02	0.19E+00
		{0.43E+00}	{0.11E+01}	{0.66E+01}	{0.11E+00}	{0.41E-01}	{0.47E-01}	{0.11E-01}	{0.40E-01}
12/01/87		0.62E+00	< 0.12E+01	0.15E+03	< 0.51E-01	0.10E+00	0.22E+00	< 0.35E-02	0.23E+00
		{0.39E+00}	{0.13E+01}	{0.71E+01}	{0.68E-01}	{0.38E-01}	{0.51E-01}	{0.11E-01}	{0.51E-01}
12/29/87		< 0.27E+00	< 0.78E+00	0.12E+03	< .19E-01	0.14E+00	0.24E+00	0.30E-01	0.19E+00
		{0.33E+00}	{0.11E+01}	{0.70E+01}	{0.74E-01}	{0.43E-01}	{0.48E-01}	{0.17E-01}	{0.43E-01}
MEAN		0.53E+00	0.11E+01	0.13E+03	0.40E-01	0.13E+00	0.27E+00	0.13E-01	0.22E+00
MINIMUM		0.48E-01	0.21E+00	0.68E+02	-.45E-01	0.99E-01	0.14E+00	0.35E-02	0.17E+00
MAXIMUM		0.89E+00	0.24E+01	0.18E+03	0.11E+00	0.18E+00	0.45E+00	0.37E-01	0.35E+00
2STD.ERR		0.21E+00	0.50E+00	0.15E+02	0.35E-01	0.19E-01	0.46E-01	0.68E-02	0.34E-01

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

1286 PRIEST RAPIDS-RIVE - PRIEST RAPIDS-RIVE (CUMULATIVE, UNFILTERED)

OFF DATE COM	LOALPHA	BETA	LO H 3	SR 89	SR 90	U 234	U 235	U 238
02/03/87	0.42E+00 {0.32E+00}	0.21E+01 {0.14E+01}	0.76E+02 {0.92E+01}	< 0.10E+00 {0.81E-01}	0.13E+00 {0.39E-01}	0.27E+00 {0.45E-01}	0.15E-01 {0.11E-01}	0.21E+00 {0.39E-01}
03/03/87	0.48E+00 {0.34E+00}	0.18E+01 {0.13E+01}	0.88E+02 {0.94E+01}	< 0.88E-01 {0.72E-01}	0.14E+00 {0.34E-01}	0.29E+00 {0.50E-01}	< 0.42E-02 {0.60E-02}	0.21E+00 {0.42E-01}
03/31/87	0.72E+00 {0.38E+00}	< 0.48E+00 {0.11E+01}	0.54E+02 {0.88E+01}	< 0.35E-01 {0.94E-01}	0.17E+00 {0.41E-01}	0.27E+00 {0.45E-01}	0.15E-01 {0.11E-01}	0.16E+00 {0.36E-01}
04/28/87	0.48E+00 {0.35E+00}	< 0.48E+00 {0.11E+01}	0.11E+03 {0.58E+01}	< 0.73E-01 {0.88E-01}	0.12E+00 {0.35E-01}	0.26E+00 {0.46E-01}	< 0.59E-02 {0.68E-02}	0.22E+00 {0.42E-01}
08/02/87	0.34E+00 {0.28E+00}	0.19E+01 {0.13E+01}	0.94E+02 {0.80E+01}	< 0.44E-01 {0.12E+00}	0.16E+00 {0.43E-01}	0.22E+00 {0.43E-01}	< 0.13E-01 {0.13E-01}	0.17E+00 {0.38E-01}
08/30/87	< 0.24E+00 {0.30E+00}	< 0.13E+01 {0.13E+01}	0.71E+02 {0.52E+01}	< 0.24E-01 {0.83E-01}	0.12E+00 {0.45E-01}	0.23E+00 {0.45E-01}	0.12E-01 {0.11E-01}	0.17E+00 {0.39E-01}
07/28/87	< 0.30E+00 {0.34E+00}	< 0.35E+00 {0.11E+01}	0.71E+02 {0.53E+01}	< 0.47E-01 {0.87E-01}	0.96E-01 {0.31E-01}	0.23E+00 {0.45E-01}	< 0.63E-02 {0.84E-02}	0.19E+00 {0.41E-01}
09/01/87	< 0.24E+00 {0.29E+00}	< 0.28E+00 {0.11E+01}	0.88E+02 {0.84E+01}	< -.28E-01 {0.84E-01}	0.13E+00 {0.34E-01}	0.17E+00 {0.38E-01}	0.11E-01 {0.10E-01}	0.15E+00 {0.36E-01}
09/29/87	< 0.19E+00 {0.28E+00}	< 0.50E+00 {0.11E+01}	0.65E+02 {0.81E+01}	< -.52E-01 {0.90E-01}	0.17E+00 {0.53E-01}	0.27E+00 {0.50E-01}	0.28E-01 {0.16E-01}	0.19E+00 {0.41E-01}
11/03/87	0.92E+00 {0.48E+00}	< 0.19E+00 {0.92E+00}	0.52E+02 {0.57E+01}	< -.81E-01 {0.12E+00}	0.13E+00 {0.45E-01}	0.20E+00 {0.43E-01}	< 0.46E-02 {0.77E-02}	0.37E+00 {0.58E-01}
12/01/87	0.50E+00 {0.37E+00}	< 0.11E+01 {0.13E+01}	0.49E+02 {0.55E+01}	< -.47E-01 {0.88E-01}	0.12E+00 {0.40E-01}	0.21E+00 {0.58E-01}	0.28E-01 {0.22E-01}	0.23E+00 {0.58E-01}
12/29/87	0.43E+00 {0.35E+00}	< 0.74E+00 {0.11E+01}	0.77E+02 {0.80E+01}	< -.35E-01 {0.80E-01}	0.14E+00 {0.48E-01}	0.25E+00 {0.47E-01}	0.12E-01 {0.10E-01}	0.20E+00 {0.41E-01}
MEAN	0.44E+00	0.92E+00	0.73E+02	0.14E-01	0.14E+00	0.24E+00	0.13E-01	0.21E+00
MINIMUM	0.19E+00	0.19E+00	0.49E+02	-.81E-01	0.96E-01	0.17E+00	0.42E-02	0.15E+00
MAXIMUM	0.92E+00	0.21E+01	0.11E+03	0.10E+00	0.17E+00	0.29E+00	0.28E-01	0.37E+00
2STD.ERR	0.18E+00	0.52E+00	0.10E+02	0.41E-01	0.18E-01	0.25E-01	0.58E-02	0.35E-01

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
SURFACE WATER - COMPOSITED SAMPLES - PCI/L

VERSION 1.0*
Page 142

6243 300 AREA FOREBAY - 300 AREA FOREBAY (CUMULATIVE, UNFILTERED)

OFF DATE COM	LOALPHA	BETA	LO H 3	SR 89	SR 90	U 234	U 235	U 238
04/14/87	{0.79E+00}	0.21E+01	0.17E+03	< 0.17E+00	0.15E+00	0.33E+00	0.21E-01	0.25E+00
07/07/87	0.43E+00	{0.14E+01}	{0.12E+02}	{0.13E+00}	{0.38E-01}	{0.51E-01}	{0.13E-01}	{0.45E-01}
09/29/87	{0.35E+00}	0.28E+01	0.13E+03	0.20E+00	0.92E-01	0.25E+00	< 0.73E-02	0.24E+00
12/22/87	0.48E+00	{0.15E+01}	{0.60E+01}	{0.11E+00}	{0.44E-01}	{0.49E-01}	{0.94E-02}	{0.49E-01}
	{0.36E+00}	< 0.12E+01	0.20E+03	< - .11E-01	0.13E+00	0.33E+00	< 0.38E-02	0.26E+00
	0.67E+00	{0.13E+01}	{0.10E+02}	{0.12E+00}	{0.48E-01}	{0.52E-01}	{0.68E-02}	{0.46E-01}
	{0.41E+00}	0.21E+01	0.16E+03	< 0.24E-01	0.13E+00	0.30E+00	< 0.44E-02	0.24E+00
		{0.13E+01}	{0.72E+01}	{0.12E+00}	{0.41E-01}	{0.52E-01}	{0.76E-02}	{0.47E-01}
MEAN	0.59E+00	0.21E+01	0.17E+03	0.97E-01	0.13E+00	0.30E+00	0.92E-02	0.25E+00
MINIMUM	0.43E+00	0.12E+01	0.13E+03	- .11E-01	0.92E-01	0.25E+00	0.38E-02	0.24E+00
MAXIMUM	0.79E+00	0.28E+01	0.20E+03	0.20E+00	0.15E+00	0.33E+00	0.21E-01	0.26E+00
2STD.ERR	0.26E+00	0.10E+01	0.36E+02	0.12E+00	0.37E-01	0.48E-01	0.97E-02	0.26E-01

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
SURFACE WATER - COMPOSITE0 SAMPLES - CF/SEC

VERSION 1.0*
Page 143

1000 RICHLAND PUMP HOUS - RICHLAND PUMP HOUS (CUMULATIVE, UNFILTERED)

OFF DATE COM	RIV FLO
-----	-----
01/01/87	0.73E+05 {NR}
01/02/87	0.96E+05 {NR}
01/03/87	0.91E+05 {NR}
01/04/87	0.79E+05 {NR}
01/05/87	0.11E+06 {NR}
01/06/87	0.12E+06 {NR}
01/07/87	0.14E+06 {NR}
01/08/87	0.16E+06 {NR}
01/09/87	0.16E+06 {NR}
01/10/87	0.14E+06 {NR}
01/11/87	0.13E+06 {NR}
01/12/87	0.13E+06 {NR}
01/13/87	0.13E+06 {NR}
01/14/87	0.13E+06 {NR}
01/15/87	0.16E+06 {NR}
01/16/87	0.16E+06 {NR}
01/17/87	0.14E+06 {NR}
01/18/87	0.14E+06 {NR}
01/19/87	0.14E+06 {NR}
01/20/87	0.14E+06 {NR}
01/21/87	0.16E+06 {NR}
01/22/87	0.15E+06 {NR}
01/23/87	0.14E+06 {NR}
01/24/87	0.13E+06 {NR}
01/25/87	0.14E+06 {NR}

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
 SURFACE WATER - COMPOSITED SAMPLES - CF/SEC

VERSION 1.0=
 Page 144

1000 RICHLAND PUMP HOUS - RICHLAND PUMP HOUS (CUMULATIVE, UNFILTERED)

OFF DATE	COM	RIV FLO
-----	---	-----
01/26/87		0.10E+06 {NR}
01/27/87		0.10E+06 {NR}
01/28/87		0.12E+06 {NR}
01/29/87		0.11E+06 {NR}
01/30/87		0.98E+05 {NR}
01/31/87		0.11E+06 {NR}
02/01/87		0.81E+05 {NR}
02/02/87		0.10E+06 {NR}
02/03/87		0.95E+05 {NR}
02/04/87		0.98E+05 {NR}
02/05/87		0.97E+05 {NR}
02/06/87		0.88E+05 {NR}
02/07/87		0.87E+05 {NR}
02/08/87		0.82E+05 {NR}
02/09/87		0.98E+05 {NR}
02/10/87		0.97E+05 {NR}
02/11/87		0.10E+06 {NR}
02/12/87		0.10E+06 {NR}
02/13/87		0.97E+05 {NR}
02/14/87		0.74E+05 {NR}
02/15/87		0.75E+05 {NR}
02/16/87		0.84E+05 {NR}
02/17/87		0.88E+05 {NR}
02/18/87		0.11E+06 {NR}
02/19/87		0.10E+06 {NR}

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

1000 RICHLAND PUMP HOUS - RICHLAND PUMP HOUS (CUMULATIVE, UNFILTERED)

OFF DATE COM	RIV FLO
02/20/87	0.10E+06 {NR}
02/21/87	0.88E+05
02/22/87	0.10E+06 {NR}
02/23/87	0.11E+06 {NR}
02/24/87	0.12E+06 {NR}
02/26/87	0.12E+06 {NR}
02/26/87	0.13E+06 {NR}
02/27/87	0.12E+06 {NR}
02/28/87	0.10E+06 {NR}
03/01/87	0.85E+05 {NR}
03/02/87	0.99E+05 {NR}
03/03/87	0.98E+05 {NR}
03/04/87	0.82E+05 {NR}
03/05/87	0.78E+05 {NR}
03/06/87	0.83E+05 {NR}
03/07/87	0.74E+05 {NR}
03/08/87	0.72E+05 {NR}
03/09/87	0.71E+05 {NR}
03/10/87	0.76E+05 {NR}
03/11/87	0.74E+05 {NR}
03/12/87	0.75E+05 {NR}
03/13/87	0.78E+05 {NR}
03/14/87	0.75E+05 {NR}
03/16/87	0.71E+05 {NR}
03/16/87	0.73E+05 {NR}

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

1000 RICHLAND PUMP HOUS - RICHLAND PUMP HOUS (CUMULATIVE, UNFILTERED)

OFF DATE COM	RIV FLO
-----	-----
03/17/87	0.73E+05 {NR}
03/18/87	0.72E+05 {NR}
03/19/87	0.72E+05 {NR}
03/20/87	0.74E+05 {NR}
03/21/87	0.72E+05 {NR}
03/22/87	0.72E+05 {NR}
03/23/87	0.72E+05 {NR}
03/24/87	0.97E+05 {NR}
03/25/87	0.12E+06 {NR}
03/26/87	0.13E+06 {NR}
03/27/87	0.88E+05 {NR}
03/28/87	0.84E+05 {NR}
03/29/87	0.76E+05 {NR}
03/30/87	0.85E+05 {NR}
03/31/87	0.92E+05 {NR}
04/01/87	0.89E+05 {NR}
04/02/87	0.89E+05 {NR}
04/03/87	0.10E+06 {NR}
04/04/87	0.79E+05 {NR}
04/05/87	0.73E+05 {NR}
04/06/87	0.10E+06 {NR}
04/07/87	0.10E+06 {NR}
04/08/87	0.11E+06 {NR}
04/09/87	0.93E+05 {NR}
04/10/87	0.11E+06 {NR}

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

1000 RICHLAND PUMP HOUS - RICHLAND PUMP HOUS (CUMULATIVE, UNFILTERED)

OFF DATE	COM	RIV FLO
-----	---	-----
04/11/87		0.10E+06 {NR}
04/12/87		0.77E+05 {NR}
04/13/87		0.87E+05 {NR}
04/14/87		0.93E+05 {NR}
04/16/87		0.10E+06
04/18/87		0.11E+06 {NR}
04/17/87		0.13E+06 {NR}
04/18/87		0.99E+05 {NR}
04/19/87		0.76E+05 {NR}
04/20/87		0.88E+05 {NR}
04/21/87		0.10E+06 {NR}
04/22/87		0.10E+06 {NR}
04/23/87		0.10E+06 {NR}
04/24/87		0.91E+05 {NR}
04/26/87		0.74E+05 {NR}
04/26/87		0.71E+05
04/27/87		0.75E+05 {NR}
04/28/87		0.11E+06 {NR}
04/29/87		0.13E+06 {NR}
04/30/87		0.14E+06 {NR}
06/01/87		0.12E+06 {NR}
06/02/87		0.13E+06 {NR}
05/03/87		0.11E+06 {NR}
06/04/87		0.15E+06 {NR}
06/06/87		0.17E+06 {NR}

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

1000 RICHLAND PUMP HOUS - RICHLAND PUMP HOUS (CUMULATIVE, UNFILTERED)

OFF DATE COM	RIV FLO
05/08/87	0.16E+06 {NR}
05/07/87	0.16E+06 {NR}
05/08/87	0.18E+06 {NR}
05/09/87	0.16E+06 {NR}
05/10/87	0.15E+06 {NR}
05/11/87	0.17E+06 {NR}
05/12/87	0.18E+06 {NR}
05/13/87	0.18E+06 {NR}
05/14/87	0.18E+06 {NR}
06/15/87	0.18E+06 {NR}
05/18/87	0.17E+06 {NR}
05/17/87	0.14E+06 {NR}
06/18/87	0.16E+06 {NR}
05/19/87	0.14E+06 {NR}
05/20/87	0.13E+06 {NR}
05/21/87	0.16E+06 {NR}
05/22/87	0.16E+06 {NR}
05/23/87	0.14E+06 {NR}
05/24/87	0.12E+06 {NR}
05/25/87	0.12E+06 {NR}
05/28/87	0.16E+06 {NR}
05/27/87	0.16E+06 {NR}
05/28/87	0.17E+06 {NR}
06/29/87	0.17E+06 {NR}
05/30/87	0.14E+06 {NR}

< - Result less than detection limit.
 {} - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

1000 RICHLAND PUMP HOUS - RICHLAND PUMP HOUS (CUMULATIVE, UNFILTERED)

OFF DATE COM	RIV FLO
-----	-----
05/31/87	0.14E+08 {NR}
08/01/87	0.13E+08 {NR}
06/02/87	0.18E+08
06/03/87	0.14E+08 {NR}
06/04/87	0.13E+08 {NR}
06/05/87	0.15E+08 {NR}
06/06/87	0.18E+08 {NR}
06/07/87	0.18E+08
06/08/87	0.15E+08 {NR}
06/09/87	0.18E+08 {NR}
06/10/87	0.18E+08 {NR}
06/11/87	0.13E+08 {NR}
88/12/87	0.11E+08 {NR}
06/13/87	0.11E+08 {NR}
06/14/87	0.78E+05 {NR}
06/16/87	0.10E+08 {NR}
06/16/87	0.11E+08 {NR}
06/17/87	0.11E+08 {NR}
08/18/87	0.10E+08 {NR}
06/19/87	0.11E+08 {NR}
06/20/87	0.75E+05 {NR}
06/21/87	0.55E+05 {NR}
06/22/87	0.10E+08 {NR}
08/23/87	0.11E+08 {NR}
06/24/87	0.10E+08 {NR}

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

1000 RICHLAND PUMP HOUS - RICHLAND PUMP HOUS (CUMULATIVE, UNFILTERED)

OFF DATE CQM	RIV FLO
-----	-----
06/25/87	0.10E+06 {NR}
06/26/87	0.10E+06 {NR}
06/27/87	0.82E+05 {NR}
06/28/87	0.71E+05 {NR}
06/29/87	0.92E+05 {NR}
06/30/87	0.11E+06 {NR}
07/01/87	0.10E+06 {NR}
07/02/87	0.90E+05 {NR}
07/03/87	0.88E+05 {NR}
07/04/87	0.57E+05 {NR}
07/05/87	0.55E+05 {NR}
07/06/87	0.91E+05 {NR}
07/07/87	0.11E+06 {NR}
07/08/87	0.11E+06 {NR}
07/09/87	0.11E+06 {NR}
07/10/87	0.99E+05 {NR}
07/11/87	0.83E+05 {NR}
07/12/87	0.88E+05 {NR}
07/13/87	0.93E+05 {NR}
07/14/87	0.11E+06 {NR}
07/15/87	0.11E+06 {NR}
07/16/87	0.11E+06 {NR}
07/17/87	0.10E+06 {NR}
07/18/87	0.88E+05 {NR}
07/19/87	0.50E+05 {NR}

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT
SURFACE WATER - COMPOSITED SAMPLES - CF/S $\leq$ C

123187

VERSION 1.0*
Page 151

1000 RICHLAND PUMP HOUSE - RICHLAND PUMP HOUSE (CUMULATIVE, UNFILTERED)

OFF DATE COM	RIV FLO
07/20/87	0.95E+05 {NR}
07/21/87	0.98E+05 {NR}
07/22/87	0.84E+05 {NR}
07/23/87	0.89E+05 {NR}
07/24/87	0.82E+05 {NR}
07/25/87	0.60E+05 {NR}
07/26/87	0.49E+05 {NR}
07/27/87	0.84E+05 {NR}
07/28/87	0.92E+05 {NR}
07/29/87	0.94E+05 {NR}
07/30/87	0.87E+05 {NR}
07/31/87	0.90E+05 {NR}
08/01/87	0.75E+05 {NR}
08/02/87	0.72E+05 {NR}
08/03/87	0.93E+05 {NR}
08/04/87	0.11E+06 {NR}
08/05/87	0.10E+06 {NR}
08/06/87	0.10E+06 {NR}
08/07/87	0.96E+05 {NR}
08/08/87	0.89E+05 {NR}
08/09/87	0.82E+05 {NR}
08/10/87	0.10E+06 {NR}
08/11/87	0.10E+06 {NR}
08/12/87	0.87E+05 {NR}
08/13/87	0.87E+05 {NR}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
rra - Not routinely analyzed.

1000 RICHLAND PUMP HOUS - RICHLAND PUMP HOUS (CUMULATIVE, UNFILTERED)

DATE	RIV PTO
08/14/87	0.86E+05 {NR}
08/15/87	0.76E+05 {NR}
08/16/87	0.82E+05 {NR}
08/17/87	0.74E+05 {NR}
08/18/87	0.81E+05 {NR}
08/19/87	0.79E+05 {NR}
08/20/87	0.96E+05 {NR}
08/21/87	0.10E+06 {NR}
08/22/87	0.70E+05 {NR}
08/23/87	0.61E+05 {NR}
08/24/87	0.95E+05 {NR}
08/25/87	0.97E+05 {NR}
08/26/87	0.10E+06 {NR}
08/27/87	0.79E+05 {NR}
08/28/87	0.96E+05 {NR}
08/29/87	0.81E+05 {NR}
08/30/87	0.80E+05 {NR}
08/31/87	0.88E+05 {NR}
09/01/87	0.90E+05 {NR}
09/02/87	0.91E+05 {NR}
09/03/87	0.11E+06 {NR}
09/04/87	0.83E+05 {NR}
09/05/87	0.52E+05 {NR}
09/06/87	0.48E+05 {NR}
09/07/87	0.64E+05 {NR}

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
 SURFACE WATER - COMPOSITED SAMPLES - CF/SEC

VERSION 1.0*
 Page 153

1000 RICHLAND PUMP HOUS - RICHLAND PUMP HOUS (CUMULATIVE, UNFILTERED)

OFF DATE COM	RIV FLO
09/08/87	0.82E+05 {NR}
09/09/87	0.79E+05 {NR}
09/10/87	0.68E+05 {NR}
09/11/87	0.93E+05 {NR}
09/12/87	0.10E+06 {NR}
09/13/87	0.64E+05 {NR}
09/14/87	0.10E+06 {NR}
09/15/87	0.90E+05 {NR}
09/16/87	0.81E+05 {NR}
09/17/87	0.84E+05 {NR}
09/18/87	0.89E+05 {NR}
09/19/87	0.71E+05 {NR}
09/20/87	0.56E+05 {NR}
09/21/87	0.90E+05 {NR}
09/22/87	0.10E+06 {NR}
09/23/87	0.93E+05 {NR}
09/24/87	0.65E+05 {NR}
09/25/87	0.81E+05 {NR}
09/26/87	0.61E+05 {NR}
09/27/87	0.57E+05 {NR}
09/28/87	0.99E+05 {NR}
09/29/87	0.92E+05 {NR}
09/30/87	0.10E+06 {NR}
10/01/87	0.10E+06 {NR}
10/02/87	0.11E+06 {NR}

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
SURFACE WATER - COMPOSITED SAMPLES - CF/SEC

VERSION 1.0+
Page 154

1000 RICHLAND PUMP HOUS - RICHLAND PUMP HOUS (CUMULATIVE, UNFILTERED)

OFF DATE COM	RIV FLO
10/03/87	0.78E+05 {NR}
10/04/87	0.72E+05 {NR}
10/05/87	0.11E+06 {NR}
10/06/87	0.10E+06 {NR}
10/07/87	0.11E+06 {NR}
10/08/87	0.10E+06 {NR}
10/09/87	0.83E+05 {NR}
10/10/87	0.80E+05 {NR}
10/11/87	0.80E+05 {NR}
10/12/87	0.11E+06 {NR}
10/13/87	0.13E+06 {NR}
10/14/87	0.13E+06 {NR}
10/15/87	0.89E+05 {NR}
10/16/87	0.10E+06 {NR}
10/17/87	0.93E+05 {NR}
10/18/87	0.82E+05 {NR}
10/19/87	0.10E+06 {NR}
10/20/87	0.10E+06 {NR}
10/21/87	0.10E+06 {NR}
10/22/87	0.12E+06 {NR}
10/23/87	0.12E+06 {NR}
10/24/87	0.10E+06 {NR}
10/25/87	0.88E+05 {NR}
10/26/87	0.91E+05 {NR}
10/27/87	0.94E+05 {NR}

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

1000 **RICHLAND PUMP HOUS - RICHLAND PUMP HOUS (CUMULATIVE, UNFILTERED)**

OFF DATE	COM	RIV FLO
-----	---	-----
18/28/87		0.92E+05 {NR}
10/29/87		0.88E+05 {NR}
18/38/87		0.78E+05 {NR}
10/31/87		0.74E+05 {NR}
11/01/87		0.65E+05 {NR}
11/02/87		0.87E+05 {NR}
11/03/87		0.88E+05 {NR}
11/04/87		0.85E+05 {NR}
11/05/87		0.84E+05 {NR}
11/06/87		0.83E+05 {NR}
11/07/87		0.50E+05 {NR}
11/08/87		0.46E+05 {NR}
11/09/87		0.77E+05 {NR}
11/18/87		0.93E+05 {NR}
11/11/87		0.96E+05 {NR}
11/12/87		0.89E+05 {NR}
11/13/87		0.81E+05 {NR}
11/14/87		0.77E+05 {NR}
11/16/87		0.73E+05 {NR}
11/16/87		0.89E+05 {NR}
11/17/87		0.92E+05 {NR}
11/18/87		0.91E+05 {NR}
11/19/87		0.91E+05 {NR}
11/28/87		0.94E+05 {NR}
11/21/87		0.84E+05 {NR}

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

1000 RICHLAND PUMP HOUS - RICHLAND PUMP HOUS (CUMULATIVE, UNFILTERED)

OFF DATE	COM	RIV FLO
11/22/87		0.64E+05 {NR}
11/23/87		0.76E+05 {NR}
11/24/87		0.98E+05 {NR}
11/25/87		0.11E+06 {NR}
11/26/87		0.65E+05 {NR}
11/27/87		0.76E+05 {NR}
11/28/87		0.87E+05 {NR}
11/29/87		0.85E+05 {NR}
11/38/87		0.11E+06 {NR}
12/01/87		0.96E+05 {NR}
12/02/87		0.99E+05 {NR}
12/03/87		0.87E+05 {NR}
12/04/87		0.76E+05 {NR}
12/05/87		0.73E+05 {NR}
12/06/87		0.70E+05 {NR}
12/07/87		0.12E+06 {NR}
12/08/87		0.12E+06 {NR}
12/09/87		0.11E+06 {NR}
12/10/87		0.10E+06 {NR}
12/11/87		0.11E+06
12/12/87		0.99E+05 {NR}
12/13/87		0.11E+06 {NR}
12/14/87		0.10E+06 {NR}
12/16/87		0.12E+06 {NR}
12/16/87		0.14E+06

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

1000 RICHLAND PUMP HOUS - RICHLAND PUMP HOUS (CUMULATIVE, UNFILTERED)

OFF DATE	COM	RIV FLO
12/17/87		0.14E+06
		{NR}
12/18/87		0.13E+06
		{NR}
12/19/87		0.10E+06
		{NR}
12/20/87		0.10E+06
		{NR}
12/21/87		0.12E+06
		{NR}
12/22/87		0.12E+06
		{NR}
12/23/87		0.11E+06
		{NR}
12/24/87		0.12E+06
		{NR}
12/25/87		0.77E+05
		{NR}
12/26/87		0.93E+05
		{NR}
12/27/87		0.10E+06
		{NR}
12/28/87		0.12E+06
		{NR}
12/29/87		0.12E+06
		{NR}
12/30/87		0.12E+06
		{NR}
12/31/87		0.12E+06
		{NR}
MEAN		0.10E+06
MINIMUM		0.46E+05
MAXIMUM		0.18E+06
2STD.ERR		0.29E+04

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

6384 300 AREA-RIVER (CONT.-RESIN, RESIN)

OFF DATE COM	CO 60	NB 95	ZR 95	RU 106	I 129	I 131	CS 134	CS 137
01/13/87	< 0.14E-02 {0.12E-01}	< -.23E-03 {0.98E-02}	< 0.45E-03 {0.18E-01}	< -.53E-01 {0.73E-01}		< 0.64E-02 {0.18E-01}	< -.12E-01 {0.94E-02}	< -.68E-03 {0.96E-02}
01/27/87	< -.31E-02 {0.11E-01}	< -.60E-02 {0.85E-02}	< -.61E-02 {0.14E-01}	< -.14E-01 {0.63E-01}		< 0.14E-01 {0.14E-01}	< -.81E-02 {0.86E-02}	< -.16E-02 {0.83E-02}
02/10/87	< 0.14E-02 {0.80E-02}	< 0.41E-02 {0.65E-02}	< 0.60E-02 {0.10E-01}	< -.29E-01 {0.50E-01}		< 0.72E-02 {0.10E-01}	< 0.29E-02 {0.64E-02}	< 0.19E-02 {0.64E-02}
02/24/87	< -.35E-02 {0.88E-02}	< -.30E-02 {0.71E-02}	< -.15E-01 {0.11E-01}	< -.15E-01 {0.53E-01}		< 0.94E-02 {0.11E-01}	< 0.34E-04 {0.68E-02}	< 0.21E-02 {0.67E-02}
03/18/87	1 NR {NR}							NR {NR}
03/24/87	< 0.53E-02 {0.82E-02}	< 0.40E-03 {0.49E-02}	< 0.34E-02 {0.77E-02}	< -.14E-01 {0.38E-01}		0.98E-02 {0.78E-02}	< -.21E-02 {0.48E-02}	< -.96E-03 {0.47E-02}
04/07/87	< -.51E-03 {0.11E-01}	< -.95E-03 {0.84E-02}	< -.11E-02 {0.14E-01}	< -.87E-01 {0.67E-01}	0.12E-03 {0.89E-05}	< 0.77E-02 {0.14E-01}	< 0.23E-02 {0.87E-02}	< -.90E-02 {0.85E-02}
04/21/87	< 0.25E-02 {0.82E-02}	< -.12E-02 {0.70E-02}	< 0.15E-02 {0.12E-01}	< -.47E-01 {0.52E-01}		0.16E-01 {0.11E-01}	< 0.49E-02 {0.68E-02}	< -.81E-03 {0.68E-02}
05/05/87	< 0.52E-02 {0.88E-02}	< 0.16E-02 {0.68E-02}	< -.30E-02 {0.12E-01}	< -.74E-01 {0.53E-01}		< 0.34E-02 {0.11E-01}	< -.21E-02 {0.70E-02}	< -.37E-02 {0.67E-02}
05/19/87	< -.35E-02 {0.91E-02}	< 0.27E-02 {0.70E-02}	< 0.41E-02 {0.12E-01}	< -.64E-01 {0.53E-01}		< 0.72E-02 {0.11E-01}	< -.76E-03 {0.73E-02}	< -.38E-02 {0.71E-02}
06/02/87	< 0.60E-02 {0.87E-02}	< 0.34E-02 {0.69E-02}	< 0.15E-02 {0.11E-01}	< -.29E-01 {0.52E-01}		0.16E-01 {0.11E-01}	< 0.46E-02 {0.70E-02}	< -.56E-02 {0.67E-02}
06/16/87	< -.62E-03 {0.88E-02}	< -.49E-02 {0.71E-02}	< -.38E-02 {0.12E-01}	< -.53E-01 {0.54E-01}		< 0.11E-01 {0.12E-01}	< 0.12E-02 {0.71E-02}	< -.84E-02 {0.72E-02}
06/30/87	< 0.35E-02 {0.85E-02}	< 0.72E-02 {0.70E-02}	< 0.83E-02 {0.11E-01}	< -.36E-01 {0.54E-01}	0.79E-04 {0.68E-05}	< 0.40E-02 {0.11E-01}	< -.29E-02 {0.68E-02}	< -.48E-02 {0.66E-02}
07/14/87	< 0.68E-02 {0.97E-02}	< 0.38E-04 {0.76E-02}	< 0.55E-02 {0.13E-01}	< -.47E-01 {0.60E-01}		< 0.11E-01 {0.13E-01}	< -.13E-02 {0.76E-02}	< -.59E-04 {0.77E-02}
07/28/87	< -.47E-02 {0.90E-02}	< -.31E-02 {0.71E-02}	< -.39E-02 {0.12E-01}	< -.23E-01 {0.54E-01}		< 0.85E-02 {0.12E-01}	< 0.25E-02 {0.69E-02}	< -.13E-02 {0.71E-02}
08/11/87	< 0.64E-02 {0.77E-02}	< -.41E-03 {0.60E-02}	< 0.54E-02 {0.10E-01}	< -.14E-01 {0.46E-01}		< 0.53E-02 {0.10E-01}	< -.10E-03 {0.58E-02}	< 0.49E-04 {0.60E-02}
08/25/87	0.15E-01 {0.13E-01}	< 0.49E-02 {0.10E-01}	< 0.71E-02 {0.17E-01}	< -.67E-01 {0.77E-01}		< 0.70E-02 {0.15E-01}	< 0.93E-03 {0.10E-01}	< -.14E-01 {0.10E-01}
09/08/87	2 NR {NR}							NR {NR}
09/22/87	0.21E-01 {0.15E-01}	< 0.33E-02 {0.12E-01}	< 0.13E-01 {0.19E-01}	< 0.92E-02 {0.10E+00}		< 0.26E-02 {0.18E-01}	< 0.43E-02 {0.11E-01}	< -.31E-02 {0.12E-01}
10/06/87	< 0.34E-02 {0.73E-02}	< 0.21E-02 {0.55E-02}	< 0.41E-02 {0.91E-02}	< 0.43E-01 {0.46E-01}	0.13E-03 {0.98E-05}	< 0.71E-02 {0.12E-01}	< 0.14E-02 {0.54E-02}	< 0.23E-02 {0.57E-02}
18/28/87	< 0.63E-03 {0.82E-02}	< 0.15E-02 {0.78E-02}	< 0.11E-01 {0.15E-01}	< 0.12E-01 {0.60E-01}		< 0.17E-01 {0.20E-01}	< 0.24E-02 {0.71E-02}	< 0.82E-04 {0.68E-02}
11/03/87	< 0.22E-02 {0.55E-02}	< 0.25E-02 {0.46E-02}	< 0.77E-02 {0.70E-02}	< 0.11E-01 {0.34E-01}		< 0.10E-01 {0.11E-01}	< -.13E-02 {0.41E-02}	< 0.30E-02 {0.42E-02}
11/17/87	< -.50E-03 {0.49E-02}	< 0.31E-02 {0.42E-02}	< 0.54E-02 {0.68E-02}	< 0.97E-02 {0.32E-01}		< 0.50E-02 {0.85E-02}	< -.16E-02 {0.38E-02}	< -.63E-03 {0.39E-02}
12/01/87	< 0.38E-02 {0.48E-02}	< 0.35E-02 {0.40E-02}	< 0.15E-02 {0.67E-02}	< 0.18E-01 {0.33E-01}		< 0.41E-02 {0.83E-02}	< 0.88E-03 {0.40E-02}	< 0.25E-02 {0.38E-02}

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.
 1 NO SAMPLE. EXPOSURE HOURS UNKNOWN.
 2 NO SAMPLE. TRIP METER BROKEN.

6384 300 AREA-RIVER (CONT.-RESIN, RESIN)

OFF DATE COM	CO 60	NB 95	ZR 95	RU 100	I 129	I 131	CS 134	CS 137
12/16/87	< -.43E-03 {0.49E-02}	< 0.25E-02 {0.40E-02}	< 0.41E-02 {0.70E-02}	< 0.27E-01 {0.33E-01}		< 0.86E-02 {0.93E-02}	< -.32E-02 {0.39E-02}	< 0.31E-02 {0.39E-02}
12/29/87	0.85E-02 {0.52E-02}	< 0.19E-02 {0.50E-02}	< -.75E-03 {0.74E-02}	< 0.12E-02 {0.33E-01}	0.99E-04 {0.65E-05}	< 0.13E-02 {0.16E-01}	< -.18E-02 {0.41E-02}	< -.30E-02 {0.39E-02}
MEAN	0.32E-02	0.10E-02	0.24E-02	-.22E-01	0.11E-03	0.83E-02	-.35E-03	-.19E-02
MINIMUM	-.47E-02	-.60E-02	-.15E-01	-.87E-01	0.79E-04	0.13E-02	-.12E-01	-.14E-01
MAXIMUM	0.21E-01	0.72E-02	0.13E-01	0.43E-01	0.13E-03	0.17E-01	0.49E-02	0.31E-02
2STD.ERR	0.30E-02	0.19E-02	0.34E-02	0.18E-01	0.25E-04	0.31E-02	0.21E-02	0.22E-02

< - Result less than detection limit.
 {} - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.
 1 NO SAMPLE. EXPOSURE HOURS UNKNOWN.
 2 NO SAMPLE. TRIP METER BROKEN.

6384 300 AREA-RIVER (CONT.-RESIN, RESIN)

OFF DATE	COM	CE 144	PU 238	PU23940
01/13/87		< -.11E-01 {0.23E-01}		
01/27/87		< -.18E-01 {0.21E-01}		
02/10/87		< -.80E-02 {0.16E-01}		
02/24/87		< -.67E-02 {0.17E-01}		
03/10/87	1			
03/24/87		< 0.12E-02 {0.12E-01}		
04/07/87		< -.52E-03 {0.21E-01}	< -.11E-04 {0.54E-04}	0.59E-04 {0.50E-04}
04/21/87		< -.75E-02 {0.17E-01}		
05/05/87		< -.90E-02 {0.17E-01}		
05/19/87		< -.15E-01 {0.17E-01}		
06/02/87		< -.22E-01 {0.17E-01}		
06/16/87		< -.57E-02 {0.17E-01}		
06/30/87		< -.75E-03 {0.17E-01}	< -.28E-05 {0.17E-04}	0.64 E-04 {0.31E-04}
07/14/87		< -.26E-01 {0.19E-01}		
07/28/87		< -.65E-02 {0.17E-01}		
08/11/87		< -.11E-01 {0.15E-01}		
08/26/87		< -.26E-01 {0.25E-01}		
09/08/87	2			
09/22/87		< -.41E-01 {0.81E-01}		
10/06/87		< -.21E-01 {0.38E-01}	< 0.37E-05 {0.35E-04}	0.56E-04 {0.37E-04}
10/20/87		< 0.45E-01 {0.51E-01}		
11/03/87		< 0.75E-02 {0.28E-01}		
11/17/87		< -.21E-01 {0.27E-01}		
12/01/87		< -.74E-03 {0.26E-01}		

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.
 1 NO SAMPLE. EXPOSURE HOURS UNKNOWN.
 2 NO SAMPLE. TRIP METER BROKEN.

8384 300 AREA-RIVER (CONT.-RESIN, RESIN)

OFF DATE COM	CE 144	PU 238	PU23940
12/16/87	< -.10E-02 {0.27E-01}		
12/29/87	< 0.11E-02 {0.28E-01}	< 0.88E-05 {0.19E-04}	0.41E-04 {0.25E-04}
MEAN	-.85E-02	-.28E-06	0.52E-04
MINIMUM	-.41E-01	-.11E-04	0.41E-04
MAXIMUM	0.45E-01	0.88E-05	0.59E-04
2STD.ERR	0.87E-02	0.20E-04	0.20E-04

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.
 1 NO SAMPLE. EXPOSURE HOURS UNKNOWN.
 2 NO SAMPLE. TRIP METER BROKEN.

6385 300 AREA-RIVER (CONT. -FILTER, FILTER)

OFF DATE	COM	CO 00	NB 95	ZR 95	RU 106	1 129	I 131	CS 134	CS 137
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01/13/87		< -.10E-02 {0.70E-02}	< 0.47E-02 {0.53E-02}	< 0.10E-02 {0.88E-02}	< -.28E-01 {0.43E-01}	nra	0.76E-02 {0.72E-02}	< 0.35E-02 {0.56E-02}	< -.58E-02 {0.54E-02}
01/27/87		< -.26E-02 {0.48E-02}	< 0.24E-02 {0.37E-02}	< -.14E-02 {0.61E-02}	< -.21E-01 {0.30E-01}		< 0.45E-02 {0.50E-02}	< 0.10E-03 {0.38E-02}	< -.59E-03 {0.38E-02}
02/18/87		< 0.30E-03 {0.40E-02}	< -.14E-03 {0.31E-02}	< 0.18E-02 {0.53E-02}	< 0.45E-02 {0.25E-01}		< 0.33E-02 {0.40E-02}	< -.20E-02 {0.32E-02}	< -.22E-02 {0.32E-02}
02/24/87		< 0.21E-02 {0.41E-02}	< 0.40E-03 {0.32E-02}	< 0.34E-02 {0.54E-02}	< -.44E-02 {0.26E-01}		< 0.48E-03 {0.42E-02}	< -.57E-03 {0.34E-02}	< -.23E-02 {0.32E-02}
03/10/87	1	NR {NR}							NR {NR}
03/24/87		< -.10E-02 {0.30E-02}	< -.16E-03 {0.23E-02}	< 0.34E-02 {0.38E-02}	< -.16E-01 {0.19E-01}		< 0.25E-02 {0.30E-02}	< -.26E-03 {0.24E-02}	< -.12E-02 {0.24E-02}
04/07/87		< -.14E-02 {0.54E-02}	< -.99E-04 {0.41E-02}	< 0.15E-02 {0.69E-02}	< -.27E-01 {0.33E-01}		< 0.27E-02 {0.55E-02}	< -.12E-02 {0.44E-02}	< -.35E-02 {0.44E-02}
04/21/87		< -.24E-02 {0.42E-02}	< -.15E-03 {0.32E-02}	< -.99E-03 {0.58E-02}	< -.98E-02 {0.28E-01}		< 0.51E-02 {0.43E-02}	< -.58E-03 {0.34E-02}	< -.22E-02 {0.34E-02}
05/05/87		< -.61E-03 {0.41E-02}	0.39E-02 {0.32E-02}	< 0.37E-02 {0.54E-02}	< -.23E-01 {0.26E-01}		< 0.18E-02 {0.42E-02}	< 0.14E-02 {0.33E-02}	< -.30E-02 {0.33E-02}
05/19/87		< 0.23E-02 {0.45E-02}	< 0.21E-03 {0.35E-02}	< -.22E-02 {0.57E-02}	< -.25E-01 {0.28E-01}		< 0.19E-02 {0.45E-02}	< 0.22E-02 {0.37E-02}	< -.86E-04 {0.37E-02}
06/02/87		< 0.10E-02 {0.41E-02}	< 0.67E-03 {0.31E-02}	< 0.95E-03 {0.55E-02}	< -.30E-02 {0.28E-01}		< 0.46E-02 {0.43E-02}	< 0.16E-02 {0.34E-02}	< 0.83E-03 {0.34E-02}
06/16/87		< -.22E-02 {0.47E-02}	< -.16E-03 {0.35E-02}	< 0.24E-02 {0.61E-02}	< -.14E-01 {0.28E-01}		< 0.22E-02 {0.46E-02}	< -.14E-02 {0.38E-02}	< -.50E-03 {0.37E-02}
06/30/87		< -.14E-02 {0.44E-02}	< 0.15E-02 {0.33E-02}	< -.24E-02 {0.58E-02}	< -.16E-01 {0.27E-01}		< 0.46E-02 {0.44E-02}	< -.61E-03 {0.35E-02}	< -.13E-02 {0.35E-02}
07/14/87		< 0.21E-02 {0.50E-02}	< -.37E-02 {0.38E-02}	< -.18E-02 {0.68E-02}	< -.17E-01 {0.31E-01}		< 0.39E-02 {0.51E-02}	< 0.16E-02 {0.42E-02}	< -.37E-02 {0.40E-02}
07/28/87		< 0.30E-02 {0.48E-02}	< 0.33E-02 {0.36E-02}	< 0.37E-02 {0.60E-02}	< -.12E-01 {0.29E-01}		< 0.32E-02 {0.51E-02}	< -.89E-03 {0.35E-02}	< -.81E-03 {0.37E-02}
08/11/87		< -.90E-04 {0.38E-02}	< 0.18E-02 {0.30E-02}	< -.28E-03 {0.49E-02}	< -.24E-01 {0.24E-01}		< 0.22E-02 {0.42E-02}	< 0.16E-02 {0.30E-02}	< -.28E-02 {0.31E-02}
08/25/87		< -.61E-03 {0.63E-02}	< -.13E-02 {0.47E-02}	< 0.48E-02 {0.80E-02}	< 0.59E-03 {0.38E-01}		< 0.45E-02 {0.65E-02}	< -.53E-03 {0.49E-02}	< -.29E-02 {0.49E-02}
09/08/87	2	NR {NR}							NR {NR}
09/22/87		< 0.11E-03 {0.69E-02}	< 0.26E-02 {0.54E-02}	< -.16E-02 {0.90E-02}	< -.11E-01 {0.47E-01}		< 0.41E-02 {0.64E-02}	< 0.93E-03 {0.58E-02}	< -.43E-02 {0.56E-02}
10/06/87		< 0.10E-02 {0.34E-02}	< 0.72E-04 {0.28E-02}	< -.48E-02 {0.48E-02}	< -.32E-02 {0.23E-01}		< 0.11E-02 {0.51E-02}	< 0.23E-02 {0.27E-02}	< -.23E-03 {0.29E-02}
10/20/87		< 0.52E-03 {0.28E-02}	< 0.81E-03 {0.24E-02}	< -.30E-02 {0.37E-02}	< -.84E-02 {0.19E-01}		< 0.16E-02 {0.37E-02}	< 0.13E-03 {0.23E-02}	< 0.93E-03 {0.23E-02}
11/03/87		< 0.48E-02 {0.53E-02}	< -.23E-03 {0.39E-02}	< -.53E-02 {0.59E-02}	< 0.71E-02 {0.29E-01}		< 0.79E-02 {0.61E-02}	< -.16E-03 {0.32E-02}	< -.15E-02 {0.33E-02}
11/17/87		< -.12E-02 {0.25E-02}	< -.15E-02 {0.20E-02}	< 0.23E-02 {0.34E-02}	< 0.98E-02 {0.17E-01}		< 0.15E-02 {0.33E-02}	< 0.48E-03 {0.20E-02}	< 0.48E-03 {0.20E-02}
12/01/87		< 0.15E-02 {0.24E-02}	< 0.39E-03 {0.20E-02}	< 0.22E-02 {0.35E-02}	< 0.78E-02 {0.17E-01}		< 0.10E-02 {0.32E-02}	< 0.15E-02 {0.19E-02}	< 0.90E-03 {0.20E-02}

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.
 1 NO SAMPLE. EXPOSURE HOURS UNKOW.
 2 NO SAMPLE. TRIP METER BROKEN.

8386 300 AREA-RIVER (CONT.-FILTER, FILTER)

OFF DATE COM	CO 60	NB 95	ZR 95	RU 106	I 129	I 131	CS 134	CS 137
12/16/87	< 0.74E-03 {0.26E-02}	< 0.13E-02 {0.22E-02}	< -.19E-02 {0.35E-02}	< -.52E-02 {0.17E-01}		< 0.92E-04 {0.34E-02}	< -.91E-03 {0.20E-02}	< -.53E-03 {0.20E-02}
12/29/87	< -.91E-03 {0.25E-02}	< 0.15E-02 {0.25E-02}	< -.82E-03 {0.36E-02}	< 0.16E-02 {0.16E-01}		< 0.58E-02 {0.68E-02}	< -.24E-02 {0.20E-02}	< 0.42E-03 {0.21E-02}
MEAN	0.17E-03	0.75E-03	0.21E-03	-.99E-02		0.33E-02	0.24E-03	-.15E-02
MINIMUM	-.26E-02	-.37E-02	-.53E-02	-.28E-01		0.92E-04	-.24E-02	-.58E-02
MAXIMUM	0.48E-02	0.47E-02	0.48E-02	0.98E-02		0.79E-02	0.35E-02	0.93E-03
2STD.ERR	0.12E-02	0.10E-02	0.16E-02	0.74E-02		0.13E-02	0.94E-03	0.10E-02

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.
 1 NO SAMPLE. EXPOSURE HOURS UNKNOWN.
 2 NO SAMPLE. TRIP METER BROKEN.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010888
SURFACE WATER - CONTINUOUS FILTER/RESIN - PCI/L

VERSION 1.0*
Page 184

6385 300 AREA-RIVER (CONT.-FILTER, FILTER)

OFF DATE COM	CE 144	PU 238	PU23940
01/13/87	< -.89E-02 {0.14E-01}		
01/27/87	< -.82E-02 {0.94E-02}		
02/10/87	< -.77E-02 {0.78E-02}		
02/24/87	< -.40E-02 {0.81E-02}		
03/10/87 1			
03/24/87	< -.77E-02 {0.59E-02}		
04/07/87	< -.48E-02 {0.11E-01}	< 0.65E-06 {0.33E-05}	0.78E-05 {0.58E-05}
04/21/87	< -.76E-02 {0.82E-02}		
05/05/87	< -.20E-02 {0.82E-02}		
05/19/87	< -.46E-02 {0.89E-02}		
06/02/87	< -.49E-02 {0.82E-02}		
06/16/87	< -.40E-02 {0.90E-02}		
06/30/87	< -.61E-02 {0.86E-02}	< 0.63E-06 {0.20E-05}	0.21E-04 {0.54E-05}
07/14/87	< -.89E-02 {0.99E-02}		
07/28/87	< 0.26E-02 {0.91E-02}		
08/11/87	< -.18E-02 {0.74E-02}		
08/25/87	< -.35E-02 {0.12E-01}		
09/08/87 2			
09/22/87	< 0.28E-02 {0.40E-01}		
10/06/87	< -.44E-02 {0.19E-01}	< 0.96E-06 {0.43E-05}	0.33E-04 {0.84E-05}
10/20/87	< -.16E-01 {0.15E-01}		
11/03/87	< -.11E-01 {0.23E-01}		
11/17/87	< -.14E-02 {0.14E-01}		
12/01/87	< -.13E-01 {0.14E-01}		

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. EXPOSURE HOURS UNKNOWN.
2 NO SAMPLE. TRIP METER BROKEN.

6386 300 AREA-RIVER (**CONT.-FILTER**, FILTER)

OFF DATE COM	CE 144	PU 238	PU23940
12/15/87	< -.95E-03 {0.14E-01}		
12/29/87	< -.43E-02 {0.14E-01}	< 0.49E-08 {0.35E-05}	0.18E-04 {0.82E-05}
MEAN	-.54E-02	0.68E-08	0.20E-04
MINIMUM	-.18E-01	0.49E-08	0.78E-05
MAXIMUM	0.28E-02	0.96E-08	0.33E-04
2STD.ERR	0.34E-02	0.17E-05	0.12E-04

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.
 1 NO SAMPLE. EXPOSURE HOURS **UNKNOWN**.
 2 NO SAMPLE. TRIP METER BROKEN.

6394 PRIEST RAPIDS-RIVE (CONT.-RESIN, RESIN)

OFF DATE COM	CO 80	NB 95	ZR 95	RU 108	I 129	I 131	CS 134	CS 137
01/13/87	< 0.28E-02 {0.14E-01}	< 0.28E-02 {0.12E-01}	< -.26E-03 {0.19E-01}	< -.43E-01 {0.89E-01}		< 0.12E-01 {0.23E-01}	< -.24E-02 {0.11E-01}	< -.33E-02 {0.11E-01}
01/27/87	< -.42E-02 {0.14E-01}	< 0.70E-02 {0.12E-01}	< -.12E-01 {0.19E-01}	< 0.11E-01 {0.91E-01}		< 0.18E-01 {0.23E-01}	< 0.41E-02 {0.12E-01}	< 0.98E-04 {0.12E-01}
02/10/87	< -.56E-02 {0.78E-02}	< 0.44E-02 {0.67E-02}	< 0.14E-02 {0.11E-01}	< -.56E-01 {0.50E-01}		< 0.28E-02 {0.12E-01}	< -.33E-02 {0.61E-02}	< -.23E-02 {0.62E-02}
02/24/87	< -.11E-02 {0.90E-02}	< 0.28E-02 {0.77E-02}	< 0.30E-02 {0.13E-01}	< -.11E-01 {0.57E-01}		< 0.11E-01 {0.15E-01}	< 0.52E-02 {0.74E-02}	< -.24E-02 {0.72E-02}
03/10/87	< -.28E-02 {0.16E-01}	< -.22E-02 {0.15E-01}	< -.10E-01 {0.22E-01}	< -.33E-01 {0.10E+00}		< 0.20E-01 {0.28E-01}	< 0.45E-02 {0.13E-01}	< -.93E-02 {0.13E-01}
03/24/87	< 0.32E-02 {0.12E-01}	< 0.61E-02 {0.10E-01}	< 0.12E-03 {0.16E-01}	< -.78E-01 {0.73E-01}		0.19E-01 {0.19E-01}	< 0.21E-02 {0.91E-02}	< -.67E-03 {0.94E-02}
04/07/87	< 0.10E-02 {0.10E-01}	< -.47E-02 {0.90E-02}	< -.71E-02 {0.14E-01}	< -.82E-01 {0.65E-01}	0.40E-05 {0.38E-06}	< 0.14E-01 {0.17E-01}	< 0.13E-02 {0.87E-02}	< -.63E-02 {0.84E-02}
04/21/87	< -.22E-02 {0.78E-02}	< 0.22E-02 {0.70E-02}	< 0.12E-02 {0.11E-01}	< -.38E-01 {0.51E-01}		< 0.58E-02 {0.13E-01}	< -.22E-02 {0.64E-02}	< -.48E-02 {0.63E-02}
05/05/87	< 0.47E-04 {0.94E-02}	< -.52E-03 {0.81E-02}	< -.23E-02 {0.13E-01}	< -.59E-01 {0.60E-01}		0.22E-01 {0.15E-01}	< -.29E-02 {0.76E-02}	< -.47E-02 {0.74E-02}
05/19/87	1 NR {NR}							NR {NR}
06/02/87	< 0.19E-02 {0.67E-02}	< 0.15E-02 {0.55E-02}	< 0.50E-02 {0.89E-02}	< -.56E-01 {0.41E-01}		< 0.33E-02 {0.10E-01}	< 0.36E-03 {0.52E-02}	< -.33E-02 {0.50E-02}
06/16/87	< -.52E-02 {0.15E-01}	< 0.71E-02 {0.13E-01}	< 0.10E-01 {0.21E-01}	< -.10E+00 {0.95E-01}		0.36E-01 {0.24E-01}	< 0.30E-02 {0.12E-01}	< -.12E-01 {0.12E-01}
06/30/87	< 0.37E-02 {0.99E-02}	< 0.34E-02 {0.84E-02}	< 0.24E-02 {0.13E-01}	< -.52E-01 {0.63E-01}	0.63E-05 {0.53E-06}	< 0.42E-02 {0.16E-01}	< 0.34E-02 {0.80E-02}	< -.38E-02 {0.79E-02}
07/14/87	< -.72E-03 {0.10E-01}	< -.12E-02 {0.86E-02}	< -.17E-02 {0.14E-01}	< -.49E-01 {0.65E-01}		< 0.14E-02 {0.16E-01}	< -.32E-02 {0.82E-02}	< -.37E-02 {0.83E-02}
07/28/87	< -.33E-02 {0.10E-01}	< -.14E-02 {0.87E-02}	< 0.52E-02 {0.14E-01}	< -.22E-01 {0.65E-01}		< 0.13E-01 {0.18E-01}	< -.18E-02 {0.85E-02}	< -.25E-02 {0.84E-02}
08/11/87	< -.61E-02 {0.15E-01}	< -.15E-02 {0.13E-01}	< -.26E-02 {0.22E-01}	< -.97E-01 {0.97E-01}		< 0.16E-01 {0.26E-01}	< -.13E-02 {0.13E-01}	< -.58E-02 {0.12E-01}
08/25/87	2 NR {NR}							NR {NR}
09/08/87	< 0.14E-02 {0.41E-02}	< -.81E-03 {0.40E-02}	< -.31E-02 {0.60E-02}	< -.22E-02 {0.29E-01}		< 0.15E-02 {0.92E-02}	< 0.12E-02 {0.33E-02}	< -.14E-02 {0.33E-02}
09/22/87	< 0.89E-03 {0.48E-02}	< 0.36E-02 {0.43E-02}	< -.18E-02 {0.68E-02}	< 0.12E-02 {0.31E-01}		< -.14E-02 {0.98E-02}	< -.16E-03 {0.38E-02}	< 0.19E-02 {0.36E-02}
10/06/87	< 0.47E-02 {0.82E-02}	< -.72E-02 {0.72E-02}	< -.15E-02 {0.12E-01}	< 0.23E-01 {0.53E-01}	0.52E-05 {0.12E-05}	< 0.14E-01 {0.16E-01}	< 0.25E-02 {0.63E-02}	< 0.95E-03 {0.66E-02}
10/20/87	< 0.28E-02 {0.12E-01}	< -.59E-02 {0.11E-01}	< -.11E-01 {0.19E-01}	< -.19E-01 {0.90E-01}		0.38E-01 {0.31E-01}	< -.50E-02 {0.11E-01}	< 0.85E-02 {0.10E-01}
11/03/87	< -.68E-03 {0.57E-02}	< -.12E-02 {0.55E-02}	< 0.67E-02 {0.81E-02}	< 0.29E-01 {0.38E-01}		0.15E-01 {0.14E-01}	< -.34E-03 {0.44E-02}	0.76E-02 {0.45E-02}
11/17/87	< 0.70E-03 {0.59E-02}	< 0.53E-03 {0.52E-02}	< -.53E-02 {0.81E-02}	< -.26E-01 {0.40E-01}		< 0.72E-02 {0.12E-01}	< 0.21E-02 {0.47E-02}	< 0.38E-02 {0.46E-02}
12/01/87	< -.66E-02 {0.13E-01}	< -.33E-02 {0.11E-01}	< 0.52E-03 {0.18E-01}	< -.68E-01 {0.81E-01}		0.28E-01 {0.24E-01}	< 0.39E-02 {0.94E-02}	< 0.58E-02 {0.10E-01}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE.
2 NO SAMPLE.

6394 PRIEST RAPIDS-RIVE (CONT.-RESIN, RESIN)

OFF DATE COM	CO 60	NB 95	ZR 95	RU 106	I 129	I 131	CS 134	CS 137
12/16/87	< -.15E-02 {0.43E-02}	< 0.32E-02 {0.40E-02}	< 0.42E-02 {0.60E-02}	< 0.17E-01 {0.29E-01}		< 0.78E-03 {0.95E-02}	< 0.20E-02 {0.32E-02}	< 0.17E-02 {0.35E-02}
12/29/87	< 0.74E-02 {0.84E-02}	< -.68E-03 {0.91E-02}	< -.49E-02 {0.13E-01}	< 0.34E-01 {0.64E-01}	0.12E-04 {0.87E-06}	< 0.15E-02 {0.32E-01}	< 0.64E-03 {0.66E-02}	< 0.23E-02 {0.71E-02}
MEAN	-.40E-03	0.57E-03	-.99E-03	-.32E-01	0.69E-05	0.13E-01	0.57E-03	-.14E-02
MINIMUM	-.68E-02	-.72E-02	-.12E-01	-.10E+00	0.40E-05	-.14E-02	-.50E-02	-.12E-01
MAXIMUM	0.74E-02	0.71E-02	0.10E-01	0.34E-01	0.12E-04	0.38E-01	0.52E-02	0.85E-02
2STD.ERR	0.26E-02	0.24E-02	0.37E-02	0.21E-01	0.40E-05	0.59E-02	0.21E-02	0.26E-02

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.
 1 NO SAMPLE.
 2 NO SAMPLE.

6394 PRIEST RAPIDS-RIVE (CONT.-RESIN, RESIN)

OFF DATE COM	CE 144	PU 238	PU23940
01/13/87	< -.83E-02 {0.28E-01}		
01/27/87	< -.34E-01 {0.29E-01}		
02/10/87	< -.21E-01 {0.16E-01}		
02/24/87	< -.13E-01 {0.18E-01}		
03/10/87	< -.31E-01 {0.33E-01}		
03/24/87	< -.41E-03 {0.24E-01}		
04/07/87	< -.61E-02 {0.21E-01}	< -.52E-05 {0.47E-04}	0.14E-03 {0.66E-04}
04/21/87	< -.15E-01 {0.16E-01}		
05/05/87	< -.48E-02 {0.19E-01}		
05/19/87	1		
06/02/87	< -.21E-01 {0.13E-01}		
06/16/87	< -.38E-01 {0.30E-01}		
06/30/87	< -.10E-01 {0.20E-01}	< 0.29E-04 {0.38E-04}	0.10E-03 {0.46E-04}
07/14/87	< -.23E-01 {0.21E-01}		
07/28/87	< -.51E-02 {0.21E-01}		
08/11/87	< -.45E-01 {0.31E-01}		
08/25/87	2		
09/08/87	< -.16E-01 {0.24E-01}		
09/22/87	< 0.12E-01 {0.27E-01}		
10/06/87	< 0.15E-01 {0.43E-01}	< 0.37E-05 {0.20E-04}	0.67E-04 {0.43E-04}
10/20/87	< 0.56E-01 {0.71E-01}		
11/03/87	< -.21E-02 {0.31E-01}		
11/17/87	< 0.58E-02 {0.32E-01}		
12/01/87	< -.85E-01 {0.69E-01}		

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.
 1 NO SAMPLE.
 2 NO SAMPLE.

6394 PRIEST RAPIDS-RIVE (CONT.-RESIN, RESIN)

OFF DATE COM	CE 144	PU 238	PU23940
12/15/87	< -.18E-01 {0.24E-01}		
12/29/87	< -.58E-02 {0.49E-01}	< 0.19E-04 {0.27E-04}	0.13E-03 {0.42E-04}
MEAN	-.13E-01	0.12E-04	0.11E-03
MINIMUM	-.85E-01	-.52E-05	0.67E-04
MAXIMUM	0.56E-01	0.29E-04	0.14E-03
PSTD.ERR	0.12E-01	0.24E-04	0.44E-04

< - Result less than detection limit.
 {} - Uncertainty for result.
 NR - No result reported.
 nro - Not routinely analyzed.
 1 NO SAMPLE.
 2 NO SAMPLE.

6396 PRIEST RAPIDS-RIVE (CONT.-FILTER, FILTER)

OFF DATE COM	CO 60	NB 95	ZR 95	RU 106	1 129	I 131	CS 134	CS 137
-----	-----	-----	-----	-----	-----	-----	-----	-----
01/13/87	< 0.15E-02 {0.53E-02}	< 0.82E-04 {0.43E-02}	< 0.17E-02 {0.73E-02}	< -.35E-01 {0.33E-01}	nra	< 0.31E-02 {0.85E-02}	< 0.51E-03 {0.43E-02}	< -.29E-02 {0.45E-02}
01/27/87	< -.70E-02 {0.73E-02}	< 0.37E-02 {0.57E-02}	< -.37E-02 {0.93E-02}	< -.41E-01 {0.43E-01}		0.93E-02 {0.85E-02}	< -.38E-02 {0.57E-02}	< 0.78E-03 {0.56E-02}
02/10/87	< -.35E-02 {0.40E-02}	< 0.34E-03 {0.32E-02}	< -.18E-03 {0.54E-02}	< -.16E-01 {0.25E-01}		< -.99E-03 {0.48E-02}	< 0.44E-03 {0.32E-02}	< -.11E-02 {0.33E-02}
02/24/87	< -.82E-03 {0.44E-02}	< 0.20E-02 {0.34E-02}	< -.45E-03 {0.55E-02}	< -.12E-01 {0.27E-01}		< 0.31E-02 {0.53E-02}	< 0.23E-02 {0.35E-02}	< -.13E-02 {0.35E-02}
03/10/87	< -.SEE-03 {0.77E-02}	< 0.28E-02 {0.58E-02}	< 0.31E-02 {0.10E-01}	< -.40E-01 {0.49E-01}		< -.81E-03 {0.87E-02}	< 0.23E-02 {0.63E-02}	< -.64E-02 {0.63E-02}
03/24/87	< 0.13E-02 {0.55E-02}	< 0.38E-03 {0.45E-02}	< -.11E-02 {0.74E-02}	< -.32E-01 {0.36E-01}		< 0.45E-02 {0.87E-02}	< 0.93E-03 {0.45E-02}	< -.33E-02 {0.45E-02}
04/07/87	< -.32E-02 {0.53E-02}	< -.29E-02 {0.42E-02}	< 0.15E-02 {0.69E-02}	< -.20E-01 {0.32E-01}		0.71E-02 {0.84E-02}	< -.35E-03 {0.43E-02}	< -.23E-02 {0.41E-02}
04/21/87	< 0.13E-02 {0.39E-02}	< -.91E-03 {0.30E-02}	< 0.18E-02 {0.50E-02}	< -.19E-01 {0.24E-01}		< 0.30E-02 {0.46E-02}	< -.79E-03 {0.31E-02}	< -.32E-02 {0.31E-02}
05/06/87	< -.37E-02 {0.46E-02}	< 0.19E-02 {0.37E-02}	< -.19E-02 {0.59E-02}	< 0.15E-02 {0.28E-01}		< 0.11E-02 {0.54E-02}	< -.18E-02 {0.35E-02}	< -.30E-02 {0.36E-02}
06/02/87	< -.78E-03 {0.31E-02}	< 0.37E-03 {0.25E-02}	< 0.48E-03 {0.41E-02}	< -.74E-02 {0.20E-01}		< 0.20E-03 {0.38E-02}	< -.49E-03 {0.26E-02}	< 0.12E-02 {0.27E-02}
06/16/87	< 0.18E-03 {0.75E-02}	< 0.14E-02 {0.62E-02}	< -.53E-02 {0.10E-01}	< -.54E-01 {0.46E-01}		< 0.16E-02 {0.92E-02}	< 0.43E-03 {0.59E-02}	< -.82E-02 {0.61E-02}
06/30/87	< 0.15E-02 {0.52E-02}	< -.44E-02 {0.40E-02}	< -.39E-02 {0.68E-02}	< -.15E-01 {0.31E-01}		< 0.53E-02 {0.59E-02}	< -.24E-02 {0.40E-02}	< -.36E-02 {0.41E-02}
07/14/87	< 0.26E-02 {0.51E-02}	< 0.17E-02 {0.42E-02}	< 0.23E-02 {0.70E-02}	< -.18E-01 {0.32E-01}		0.68E-02 {0.65E-02}	< -.16E-02 {0.43E-02}	< -.78E-03 {0.42E-02}
07/28/87	< 0.14E-02 {0.53E-02}	< -.23E-02 {0.43E-02}	< -.50E-02 {0.71E-02}	< -.31E-01 {0.34E-01}		0.10E-01 {0.71E-02}	< -.46E-03 {0.45E-02}	< -.50E-02 {0.42E-02}
08/11/87	< -.34E-02 {0.77E-02}	< -.15E-03 {0.62E-02}	< 0.14E-02 {0.10E-01}	< -.11E-02 {0.48E-01}		< 0.58E-02 {0.10E-01}	< -.21E-02 {0.63E-02}	< -.10E-01 {0.61E-02}
09/08/87	< -.16E-02 {0.20E-02}	< 0.14E-02 {0.17E-02}	< 0.32E-02 {0.28E-02}	< 0.17E-02 {0.14E-01}		< 0.33E-04 {0.39E-02}	< -.13E-03 {0.16E-02}	< 0.84E-05 {0.17E-02}
09/22/87	< -.84E-03 {0.23E-02}	0.25E-02 {0.19E-02}	< 0.14E-02 {0.30E-02}	< 0.84E-02 {0.16E-01}		< 0.33E-02 {0.36E-02}	< -.51E-03 {0.18E-02}	0.26E-02 {0.18E-02}
10/06/87	< -.15E-02 {0.39E-02}	0.43E-02 {0.34E-02}	< 0.47E-02 {0.56E-02}	< 0.26E-02 {0.27E-01}		< -.17E-02 {0.62E-02}	< 0.16E-02 {0.31E-02}	< 0.12E-02 {0.32E-02}
18/28/87	< 0.20E-02 {0.43E-02}	< -.83E-03 {0.37E-02}	< -.10E-02 {0.56E-02}	< -.25E-02 {0.29E-01}		< -.51E-02 {0.72E-02}	< -.11E-02 {0.33E-02}	< 0.67E-03 {0.36E-02}
11/03/87	< 0.21E-02 {0.45E-02}	< 0.22E-02 {0.43E-02}	< 0.11E-02 {0.64E-02}	< -.21E-02 {0.32E-01}		< 0.14E-02 {0.79E-02}	< -.11E-02 {0.34E-02}	< 0.42E-04 {0.37E-02}
11/17/87	< -.45E-03 {0.28E-02}	< -.98E-04 {0.24E-02}	< -.13E-02 {0.38E-02}	< 0.15E-01 {0.19E-01}		< -.21E-02 {0.44E-02}	< 0.28E-03 {0.21E-02}	< -.21E-02 {0.22E-02}
12/01/87	< 0.37E-02 {0.94E-02}	< 0.29E-03 {0.84E-02}	< -.74E-02 {0.13E-01}	< 0.20E-01 {0.65E-01}		< 0.35E-02 {0.14E-01}	< -.29E-02 {0.65E-02}	< 0.22E-02 {0.72E-02}
12/15/87	< -.24E-02 {0.32E-02}	< 0.15E-02 {0.29E-02}	< -.42E-03 {0.45E-02}	< -.64E-02 {0.22E-01}		< -.95E-03 {0.47E-02}	< 0.75E-03 {0.27E-02}	< 0.22E-02 {0.26E-02}
12/29/87	< -.13E-02 {0.42E-02}	< 0.24E-02 {0.46E-02}	< -.47E-03 {0.68E-02}	< -.13E-01 {0.30E-01}		< 0.41E-02 {0.17E-01}	< -.63E-03 {0.34E-02}	< 0.73E-03 {0.34E-02}

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

6396 PRIEST RAPIDS-RIVE (CONT.-FILTER, FILTER)

OFF DATE COM	CO 60	NB 96	ZR 95	RU 106	1 129	■ 131	CS 134	CS 137
-----	-----	-----	-----	-----	-----	-----	-----	-----
MEAN	-.56E-03	0.74E-03	-.39E-03	-.13E-01		0.26E-02	-.43E-03	-.17E-02
MINIMUM	-.70E-02	-.44E-02	-.74E-02	-.54E-01		-.51E-02	-.36E-02	-.10E-01
MAXIMUM	0.37E-02	0.43E-02	0.47E-02	0.20E-01		0.10E-01	0.23E-02	0.26E-02
2STD,ERR	0.16E-02	0.12E-02	0.19E-02	0.10E-01		0.22E-02	0.10E-02	0.16E-02

< - Result less than detection limit.
 {} - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

6396 PRIEST RAPIDS-RIVE (CONT.-FILTER, FILTER)

OFF DATE	COM	CE 144	PU 238	PU23940
01/13/87		< -.10E-01 {0.11E-01}		
01/27/87		< -.11E-01 {0.14E-01}		
02/10/87		< -.58E-02 {0.79E-02}		
02/24/87		< -.51E-02 {0.87E-02}		
03/10/87		< -.87E-02 {0.15E-01}		
03/24/87		< -.86E-02 {0.11E-01}		
04/07/87		< -.14E-02 {0.10E-01}	< 0.85E-06 {0.20E-05}	0.38E-05 {0.21E-05}
04/21/87		< -.97E-03 {0.74E-02}		
06/06/87		< -.63E-02 {0.88E-02}		
06/02/87		< -.43E-02 {0.63E-02}		
06/16/87		< -.15E-01 {0.15E-01}		
06/30/87		< -.73E-02 {0.99E-02}	< -.61E-06 {0.36E-05}	0.24E-04 {0.78E-05}
07/14/87		< -.15E-01 {0.10E-01}		
07/28/87		< -.12E-01 {0.11E-01}		
08/11/87		< -.25E-01 {0.15E-01}		
09/08/87		< -.65E-02 {0.11E-01}		
09/22/87		< 0.41E-02 {0.13E-01}		
10/06/87		< -.22E-01 {0.22E-01}	< 0.31E-06 {0.16E-05}	0.22E-04 {0.58E-05}
18/28/87		< -.15E-02 {0.24E-01}		
11/03/87		< -.20E-02 {0.25E-01}		
11/17/87		< -.11E-01 {0.18E-01}		
12/01/87		< -.57E-01 {0.51E-01}		
12/15/87		< 0.81E-02 {0.17E-01}		
12/29/87		< -.30E-01 {0.24E-01}	< 0.35E-06 {0.21E-05}	0.28E-04 {0.68E-05}

< - Result less than detection limit.

{ } - Uncertainty for result.

NR - No result reported.

nra - Not routinely analyzed.

6396 PRIEST RAPIDS-RIVE (CONT.-FILTER, FILTER)

OFF DATE COM	CE 144	PU 238	PU23940
-----	-----	-----	-----
MEAN	-.11E-01	0.22E-06	0.19E-04
MINIMUM	-.57E-01	-.61E-06	0.38E-05
MAXIMUM	0.81E-02	0.85E-06	0.28E-04
2STD.ERR	0.64E-02	0.14E-05	0.12E-04

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

6463 RICHLAND PUMP HOUSE (CONT.-FILTER, FILTER)

OFF DATE COM	CO 80	NB 95	ZR 95	RU 106	I 129	I 131	CS 134	CS 137
01/13/87	< 0.51E-03 {0.66E-02}	< 0.45E-03 {0.54E-02}	< -.22E-02 {0.89E-02}	< -.41E-01 {0.43E-01}	nra	< 0.53E-02 {0.75E-02}	< -.17E-02 {0.55E-02}	< -.17E-02 {0.56E-02}
01/27/87	< 0.25E-02 {0.85E-02}	< 0.55E-03 {0.67E-02}	< -.38E-03 {0.11E-01}	< -.14E-01 {0.52E-01}		0.13E-01 {0.92E-02}	< -.47E-02 {0.66E-02}	< -.53E-02 {0.67E-02}
02/18/87	< 0.49E-02 {0.50E-02}	< -.10E-02 {0.40E-02}	< 0.16E-02 {0.67E-02}	< -.14E-01 {0.31E-01}		< 0.10E-02 {0.55E-02}	< -.78E-03 {0.39E-02}	< 0.33E-04 {0.40E-02}
02/24/87	< 0.21E-02 {0.50E-02}	< 0.34E-02 {0.39E-02}	< 0.60E-03 {0.67E-02}	< -.19E-01 {0.30E-01}		< 0.29E-02 {0.55E-02}	< -.14E-02 {0.40E-02}	< -.30E-02 {0.40E-02}
03/10/87	< -.22E-02 {0.49E-02}	< 0.13E-02 {0.37E-02}	< 0.58E-03 {0.63E-02}	< -.42E-01 {0.30E-01}		0.73E-02 {0.50E-02}	< 0.36E-03 {0.38E-02}	< -.44E-02 {0.38E-02}
03/24/87	< 0.24E-03 {0.47E-02}	< -.41E-03 {0.38E-02}	< -.25E-02 {0.62E-02}	< -.29E-01 {0.30E-01}		< 0.86E-03 {0.53E-02}	< 0.19E-04 {0.39E-02}	< -.47E-02 {0.38E-02}
04/07/87	< 0.26E-02 {0.81E-02}	< 0.38E-02 {0.65E-02}	< 0.34E-02 {0.11E-01}	< -.27E-01 {0.52E-01}		< 0.70E-02 {0.94E-02}	< -.12E-02 {0.67E-02}	< -.76E-03 {0.68E-02}
04/21/87	< 0.51E-02 {0.70E-02}	< 0.23E-02 {0.54E-02}	< -.51E-02 {0.88E-02}	< -.33E-01 {0.42E-01}		0.80E-02 {0.76E-02}	< -.34E-03 {0.57E-02}	< -.22E-02 {0.55E-02}
05/06/87	< -.14E-02 {0.46E-02}	< 0.69E-04 {0.37E-02}	< 0.16E-02 {0.62E-02}	< -.36E-01 {0.30E-01}		< 0.34E-02 {0.51E-02}	< 0.52E-03 {0.37E-02}	< -.12E-02 {0.38E-02}
05/19/87	< 0.23E-02 {0.91E-02}	< 0.19E-02 {0.68E-02}	< -.52E-02 {0.12E-01}	< -.12E-02 {0.55E-01}		< 0.72E-02 {0.95E-02}	< 0.26E-02 {0.71E-02}	< 0.37E-02 {0.72E-02}
06/02/87	< -.39E-02 {0.47E-02}	< -.87E-03 {0.38E-02}	< 0.56E-03 {0.62E-02}	< -.18E-01 {0.29E-01}		< 0.10E-02 {0.53E-02}	< 0.34E-02 {0.39E-02}	< -.33E-03 {0.38E-02}
06/16/87	< 0.38E-02 {0.58E-02}	0.49E-02 {0.46E-02}	< -.59E-02 {0.74E-02}	< -.31E-01 {0.37E-01}		< 0.34E-02 {0.66E-02}	< 0.88E-03 {0.48E-02}	< 0.14E-02 {0.49E-02}
06/30/87	< -.34E-03 {0.70E-02}	< 0.93E-03 {0.55E-02}	< -.69E-02 {0.89E-02}	< -.35E-01 {0.43E-01}		< 0.19E-02 {0.75E-02}	< -.17E-02 {0.57E-02}	< -.41E-02 {0.57E-02}
07/14/87	< 0.12E-02 {0.79E-02}	< 0.16E-02 {0.63E-02}	< 0.57E-02 {0.10E-01}	< -.38E-01 {0.50E-01}		< 0.15E-02 {0.92E-02}	< 0.10E-02 {0.64E-02}	< -.76E-02 {0.64E-02}
07/28/87	< 0.21E-02 {0.61E-02}	< 0.18E-02 {0.47E-02}	< 0.41E-03 {0.79E-02}	< -.19E-01 {0.38E-01}		< 0.42E-02 {0.75E-02}	< 0.23E-02 {0.49E-02}	< 0.20E-03 {0.49E-02}
08/11/87	< 0.22E-02 {0.52E-02}	< 0.22E-02 {0.40E-02}	< 0.13E-02 {0.65E-02}	< -.21E-01 {0.31E-01}		0.79E-02 {0.60E-02}	< -.16E-02 {0.40E-02}	< -.34E-02 {0.41E-02}
08/25/87	< 0.90E-03 {0.54E-02}	< -.62E-03 {0.41E-02}	< -.18E-02 {0.69E-02}	< -.45E-01 {0.33E-01}		< 0.34E-02 {0.58E-02}	< 0.28E-02 {0.43E-02}	< -.52E-02 {0.42E-02}
09/08/87	< 0.11E-02 {0.29E-02}	< -.78E-03 {0.26E-02}	< -.14E-02 {0.41E-02}	< 0.19E-01 {0.21E-01}		< -.10E-02 {0.50E-02}	< 0.48E-03 {0.22E-02}	< 0.14E-02 {0.25E-02}
09/22/87	< 0.45E-02 {0.55E-02}	< 0.27E-02 {0.45E-02}	< 0.24E-02 {0.69E-02}	< 0.19E-01 {0.35E-01}		< -.27E-02 {0.76E-02}	< -.76E-03 {0.41E-02}	< 0.10E-02 {0.42E-02}
10/06/87	< -.82E-03 {0.30E-02}	< 0.14E-02 {0.23E-02}	< 0.11E-02 {0.37E-02}	< 0.86E-02 {0.19E-01}		< 0.34E-02 {0.38E-02}	< -.84E-03 {0.22E-02}	< 0.21E-02 {0.24E-02}
10/20/87	< -.84E-03 {0.29E-02}	< -.16E-02 {0.24E-02}	< -.27E-03 {0.41E-02}	< -.20E-02 {0.19E-01}		< -.87E-03 {0.41E-02}	< -.25E-03 {0.22E-02}	< 0.15E-02 {0.24E-02}
11/03/87	< 0.20E-03 {0.12E-01}	< 0.37E-02 {0.89E-02}	< 0.34E-02 {0.13E-01}	< 0.25E-01 {0.68E-01}		< -.93E-02 {0.15E-01}	< -.98E-02 {0.86E-02}	< -.17E-02 {0.86E-02}
11/17/87	< 0.41E-02 {0.42E-02}	< 0.26E-02 {0.33E-02}	< 0.22E-02 {0.54E-02}	< -.13E-02 {0.28E-01}		< 0.14E-02 {0.58E-02}	< 0.21E-02 {0.34E-02}	< 0.17E-02 {0.33E-02}
12/01/87	< -.23E-02 {0.30E-02}	< 0.92E-03 {0.25E-02}	< 0.13E-02 {0.43E-02}	< 0.55E-02 {0.21E-01}		< 0.33E-02 {0.49E-02}	< -.85E-03 {0.24E-02}	0.27E-02 {0.26E-02}
12/15/87	< 0.16E-02 {0.46E-02}	0.47E-02 {0.38E-02}	< 0.52E-02 {0.66E-02}	< -.49E-02 {0.31E-01}		< -.20E-03 {0.72E-02}	< 0.24E-02 {0.33E-02}	< -.73E-03 {0.37E-02}

< - Result less than detection limit.
 {} - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

6463 RICHLAND PUMP HOUS (CONT.-FILTER, FILTER)

OFF DATE COM	CO 60	NB 95	ZR 95	RU 106	I 129	I 131	CS 134	CS 137
-----	-----	-----	-----	-----	-----	-----	-----	-----
12/29/87	< 0.14E-02 {0.38E-02}	< 0.33E-02 {0.39E-02}	< 0.21E-02 {0.58E-02}	< -.12E-01 {0.26E-01}		< 0.24E-02 {0.11E-01}	< -.13E-03 {0.31E-02}	< 0.10E-02 {0.31E-02}
-----	-----	-----	-----	-----	-----	-----	-----	-----
MEAN	0.12E-02	0.15E-02	0.85E-04	-.16E-01		0.29E-02	-.27E-03	-.11E-02
MINIMUM	-.39E-02	-.16E-02	-.69E-02	-.45E-01		-.93E-02	-.98E-02	-.76E-02
MAXIMUM	0.51E-02	0.49E-02	0.57E-02	0.25E-01		0.13E-01	0.34E-02	0.37E-02
2STD.ERR	0.15E-02	0.12E-02	0.20E-02	0.11E-01		0.22E-02	0.14E-02	0.15E-02

< - Result less than detection limit.
 {} - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

6463 RICHLAND PUMP HOUS (CONT.-FILTER, FILTER)

OFF DATE	COM	CE 144	PU 238	PU23940
01/13/87		< -.93E-02 (0.14E-01)		
01/27/87		< -.28E-02 {0.17E-01}		
02/18/87		< -.10E-01 {0.98E-02}		
02/24/87		< -.55E-02 {0.98E-02}		
03/10/87		< -.28E-02 {0.95E-02}		
03/24/87		< -.49E-02 {0.93E-02}		
04/07/87		< 0.19E-02 {0.16E-01}	< 0.73E-06 {0.47E-05}	0.17E-04 {0.78E-05}
04/21/87		< -.11E-01 {0.14E-01}		
05/05/87		< -.60E-02 {0.93E-02}		
06/19/87		< -.76E-02 {0.17E-01}		
06/02/87		< -.87E-03 {0.93E-02}		
06/16/87		< -.54E-02 {0.12E-01}		
06/30/87		< -.18E-01 {0.14E-01}	< 0.11E-05 {0.20E-05}	0.45E-04 {0.88E-05}
07/14/87		< -.25E-02 {0.16E-01}		
07/28/87		< -.14E-01 {0.12E-01}		
08/11/87		< -.89E-02 {0.99E-02}		
08/26/87		< -.16E-02 {0.10E-01}		
09/08/87		< -.52E-02 {0.16E-01}		
09/22/87		< -.75E-02 {0.29E-01}		
10/06/87		< 0.55E-02 {0.15E-01}	< 0.18E-05 {0.38E-05}	0.63E-04 {0.13E-04}
18/28/87		< -.44E-02 {0.15E-01}		
11/03/87		< -.14E-01 {0.56E-01}		
11/17/87		< -.15E-01 {0.22E-01}		
12/01/87		< -.89E-02 {0.16E-01}		
12/15/87		< -.29E-02 {0.25E-01}		

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
 SURFACE WATER - CONTINUOUS FILTER/RESIN - PCI/L

VERSION 1.0*
 Page 177

6463 RICHLAND PUMP HOUS (CONT.-FILTER, FILTER)

OFF DATE COM	CE 144	PU 238	PU23940
12/29/87	< -.13E-01 {0.21E-01}	< 0.39E-05 {0.41E-05}	0.28E-04 {0.62E-05}
MEAN	-.67E-02	0.19E-05	0.38E-04
MINIMUM	-.18E-01	0.73E-06	0.17E-04
MAXIMUM	0.55E-02	0.39E-05	0.63E-04
2STD.ERR	0.43E-02	0.24E-05	0.23E-04

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

6464 RICHLAND PUMP HOUSE (CONT.-RESIN, RESIN)

OFF DATE COM	CO 80	NB 95	ZR 95	RU 106	1 129	131	CS 134	CS 137
01/13/87	< 0.18E-02 {0.14E-01}	< 0.11E-01 {0.12E-01}	< -0.84E-02 {0.19E-01}	< -0.57E-01 {0.92E-01}		< 0.17E-01 {0.21E-01}	< 0.31E-03 {0.11E-01}	< -0.19E-02 {0.11E-01}
01/27/87	< -0.87E-02 {0.18E-01}	< 0.16E-02 {0.15E-01}	< -0.24E-02 {0.25E-01}	< -0.44E-01 {0.10E+00}		< 0.30E-01 {0.27E-01}	< 0.38E-03 {0.14E-01}	< -0.47E-02 {0.14E-01}
02/18/87	< 0.86E-02 {0.10E-01}	< 0.78E-02 {0.90E-02}	< -0.40E-02 {0.14E-01}	< -0.24E-01 {0.67E-01}		< 0.41E-02 {0.15E-01}	< -0.22E-02 {0.88E-02}	< -0.56E-02 {0.82E-02}
02/24/87	< 0.63E-02 {0.10E-01}	< 0.52E-02 {0.85E-02}	< 0.85E-02 {0.14E-01}	< 0.39E-01 {0.85E-01}		< 0.60E-02 {0.15E-01}	< -0.61E-02 {0.82E-02}	< -0.39E-02 {0.82E-02}
03/10/87	< 0.15E-02 {0.97E-02}	< 0.12E-02 {0.82E-02}	< -0.53E-02 {0.13E-01}	< -0.82E-01 {0.62E-01}		< 0.54E-02 {0.12E-01}	< -0.36E-02 {0.80E-02}	< -0.47E-02 {0.80E-02}
03/24/87	< 0.85E-02 {0.10E-01}	< 0.12E-02 {0.84E-02}	< -0.19E-02 {0.13E-01}	< -0.27E-01 {0.61E-01}		< 0.12E-01 {0.15E-01}	< -0.12E-02 {0.80E-02}	< -0.14E-01 {0.79E-02}
04/07/87	< 0.96E-03 {0.13E-01}	< -0.16E-02 {0.11E-01}	< -0.43E-02 {0.17E-01}	< -0.79E-01 {0.81E-01}	0.12E-03 {0.90E-05}	< 0.15E-01 {0.19E-01}	< -0.16E-02 {0.11E-01}	< -0.19E-01 {0.10E-01}
04/21/87	< -0.27E-02 {0.14E-01}	< -0.58E-02 {0.12E-01}	< -0.19E-01 {0.19E-01}	< -0.36E-01 {0.86E-01}		< 0.18E-01 {0.20E-01}	< -0.20E-03 {0.11E-01}	< -0.14E-01 {0.11E-01}
05/05/87	< -0.28E-02 {0.97E-02}	< 0.48E-03 {0.79E-02}	< -0.46E-02 {0.13E-01}	< -0.41E-01 {0.58E-01}		< 0.13E-01 {0.14E-01}	< -0.27E-02 {0.77E-02}	< -0.86E-02 {0.76E-02}
05/19/87	< -0.12E-02 {0.16E-01}	< -0.30E-02 {0.14E-01}	< -0.70E-02 {0.23E-01}	< -0.11E+00 {0.10E+00}		< 0.11E-01 {0.22E-01}	< 0.43E-02 {0.14E-01}	< -0.95E-02 {0.13E-01}
06/02/87	< 0.12E-02 {0.93E-02}	< 0.32E-03 {0.79E-02}	< -0.51E-02 {0.13E-01}	< -0.62E-01 {0.59E-01}		< 0.11E-01 {0.14E-01}	< 0.71E-03 {0.78E-02}	< -0.64E-02 {0.77E-02}
06/16/87	< -0.28E-02 {0.12E-01}	< 0.95E-02 {0.11E-01}	< 0.60E-02 {0.17E-01}	< -0.11E+00 {0.78E-01}		< 0.14E-01 {0.22E-01}	< -0.85E-03 {0.10E-01}	< -0.24E-03 {0.10E-01}
06/30/87	< -0.33E-03 {0.14E-01}	< -0.40E-02 {0.11E-01}	< 0.65E-02 {0.19E-01}	< -0.99E-01 {0.85E-01}	0.80E-04 {0.59E-05}	< 0.12E-01 {0.20E-01}	< -0.27E-02 {0.11E-01}	< -0.90E-02 {0.11E-01}
07/14/87	< 0.64E-02 {0.17E-01}	< 0.10E-01 {0.14E-01}	< 0.20E-02 {0.22E-01}	< -0.14E+00 {0.10E+00}		< 0.11E-01 {0.24E-01}	< 0.99E-02 {0.13E-01}	< -0.12E-01 {0.13E-01}
07/28/87	< 0.10E-01 {0.13E-01}	< 0.98E-02 {0.10E-01}	< 0.86E-02 {0.17E-01}	< -0.73E-01 {0.76E-01}		< 0.20E-01 {0.19E-01}	< 0.11E-02 {0.10E-01}	< -0.34E-02 {0.10E-01}
08/11/87	< 0.73E-03 {0.97E-02}	< -0.55E-03 {0.81E-02}	< -0.22E-02 {0.13E-01}	< -0.79E-01 {0.62E-01}		0.18E-01 {0.15E-01}	< 0.42E-02 {0.81E-02}	< -0.12E-01 {0.78E-02}
08/25/87	< 0.41E-02 {0.10E-01}	< -0.13E-02 {0.85E-02}	< 0.11E-03 {0.14E-01}	< -0.44E-01 {0.65E-01}		< 0.34E-02 {0.14E-01}	< 0.25E-02 {0.85E-02}	< -0.91E-02 {0.83E-02}
09/08/87	< 0.44E-02 {0.67E-02}	< 0.16E-02 {0.55E-02}	< -0.21E-02 {0.88E-02}	< 0.11E-01 {0.43E-01}		< -0.25E-02 {0.13E-01}	< 0.79E-03 {0.50E-02}	< -0.12E-03 {0.49E-02}
09/22/87	< 0.73E-02 {0.12E-01}	< 0.49E-02 {0.97E-02}	< 0.46E-03 {0.15E-01}	< 0.63E-01 {0.70E-01}		< 0.16E-02 {0.20E-01}	< 0.43E-02 {0.84E-02}	< 0.44E-02 {0.95E-02}
10/06/87	< 0.53E-02 {0.57E-02}	< -0.98E-03 {0.47E-02}	< -0.26E-02 {0.78E-02}	< 0.16E-01 {0.36E-01}	0.13E-03 {0.93E-05}	< 0.31E-02 {0.99E-02}	< -0.15E-02 {0.44E-02}	< -0.42E-02 {0.42E-02}
10/20/87	< -0.53E-02 {0.81E-02}	0.11E-01 {0.85E-02}	< 0.78E-02 {0.12E-01}	< 0.55E-01 {0.61E-01}		< 0.17E-01 {0.20E-01}	< 0.39E-04 {0.68E-02}	< 0.44E-02 {0.68E-02}
11/03/87	< 0.69E-02 {0.12E-01}	< 0.45E-02 {0.11E-01}	< -0.84E-02 {0.18E-01}	< 0.58E-01 {0.76E-01}		0.29E-01 {0.29E-01}	0.12E-01 {0.93E-02}	< 0.60E-02 {0.92E-02}
11/17/87	< -0.41E-04 {0.77E-02}	< -0.60E-02 {0.69E-02}	< 0.67E-03 {0.11E-01}	< 0.34E-01 {0.55E-01}		< 0.86E-03 {0.14E-01}	< 0.40E-02 {0.60E-02}	0.84E-02 {0.64E-02}
12/01/87	< -0.73E-03 {0.58E-02}	< 0.51E-02 {0.54E-02}	< -0.28E-02 {0.82E-02}	< 0.23E-01 {0.41E-01}		< 0.18E-02 {0.11E-01}	< 0.19E-02 {0.50E-02}	< -0.40E-03 {0.47E-02}
12/15/87	< 0.22E-03 {0.93E-02}	< 0.77E-02 {0.87E-02}	< 0.66E-02 {0.13E-01}	< 0.45E-01 {0.67E-01}		< 0.90E-03 {0.19E-01}	< -0.65E-02 {0.74E-02}	< 0.19E-02 {0.75E-02}

< - Result less than detection limit.
 {} - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

6464 RICHLAND PUMP HOUS (CONT.-RESIN, RESIN)

OFF DATE COM	CO 60	NB 95	ZR 95	RU 106	I 129	I 131	CS 134	CS 137
12/29/87	< -.25E-02 {0.76E-02}	< 0.24E-02 {0.78E-02}	< 0.71E-03 {0.11E-01}	< 0.10E-01 {0.50E-01}	0.87E-04 {0.54E-05}	< 0.22E-03 {0.28E-01}	< 0.16E-02 {0.58E-02}	< 0.23E-02 {0.60E-02}
MEAN	0.18E-02	0.28E-02	-.12E-02	-.28E-01	0.10E-03	0.10E-01	0.74E-03	-.44E-02
MINIMUM	-.87E-02	-.60E-02	-.19E-01	-.14E+00	0.80E-04	-.25E-02	-.65E-02	-.19E-01
MAXIMUM	0.10E-01	0.11E-01	0.86E-02	0.63E-01	0.13E-03	0.30E-01	0.12E-01	0.84E-02
2STD.ERR	0.29E-02	0.28E-02	0.39E-02	0.27E-01	0.22E-04	0.50E-02	0.24E-02	0.32E-02

< - Result less than detection limit.
 {} - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

6464 RICHLAND PUMP HOUS (CONT.-RESIN, RESIN)

OFF DATE	CE 144	PU 238	PU23940
01/13/87	< -.23E-01 {0.29E-01}		
01/27/87	< -.20E-01 {0.36E-01}		
02/18/87	< -.28E-01 {0.21E-01}		
02/24/87	< -.19E-01 {0.20E-01}		
03/10/87	< -.29E-01 {0.20E-01}		
03/24/87	< -.27E-01 {0.20E-01}		
04/07/87	< -.33E-01 {0.26E-01}	< 0.12E-04 {0.43E-04}	0.98E-04 {0.57E-04}
04/21/87	< -.20E-01 {0.28E-01}		
05/06/87	< -.21E-01 {0.19E-01}		
05/19/87	< -.14E-01 {0.34E-01}		
06/02/87	< -.20E-01 {0.19E-01}		
06/16/87	< -.24E-01 {0.25E-01}		
06/38/87	< -.13E-01 {0.28E-01}	< -.39E-05 {0.18E-04}	0.98E-04 {0.54E-04}
07/14/87	< -.11E-01 {0.33E-01}		
07/28/87	< -.12E-01 {0.25E-01}		
08/11/87	< -.20E-01 {0.20E-01}		
08/25/87	< -.20E-01 {0.21E-01}		
09/08/87	< -.45E-01 {0.35E-01}		
09/22/87	< 0.55E-02 {0.59E-01}		
10/06/87	< 0.94E-03 {0.30E-01}	< 0.22E-04 {0.30E-04}	0.68E-04 {0.37E-04}
18/28/87	< -.49E-01 {0.50E-01}		
11/03/87	< -.37E-01 {0.63E-01}		
11/17/87	< 0.45E-02 {0.43E-01}		
12/01/87	< -.17E-01 {0.33E-01}		
12/15/87	< -.28E-01 {0.51E-01}		

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
 SURFACE WATER - CONTINUOUS FILTER/RESIN - PCI/L

VERSION 1.0*
 Page 181

6464 RICHLAND PUMP HOUS (CONT.-RESIN, RESIN)

OFF DATE	COM	CE 144	PU 238	PU23940
12/29/87	---	< -.34E-01 {0.42E-01}	< 0.33E-05 {0.17E-04}	0.49E-04 {0.35E-04}
MEAN		-.21E-01	0.81E-05	0.78E-04
MINIMUM		-.49E-01	-.39E-05	0.49E-04
MAXIMUM		0.55E-02	0.22E-04	0.98E-04
2STD.ERR		0.84E-02	0.19E-04	0.33E-04

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

1816 VERNITA FERRY (RAW GRAB, UNFILTERED)

OFF DATE COM	PH	FEC COL	COLIFRM	BOD	NO N
01/20/87	0.77E+01 {NR}	< 0.20E+01 {NR}	0.17E+02 {NR}	0.39E+01 {NR}	0.13E+00 {NR}
02/17/87	0.80E+01 {NR}	< 0.20E+01 {NR}	0.40E+01 {NR}	0.21E+01 {NR}	0.16E+00 {NR}
03/17/87	0.82E+01 {NR}	0.20E+01 {NR}	0.20E+01 {NR}	0.83E+01 {NR}	0.80E-01 {NR}
04/14/87	0.80E+01 {NR}	0.50E+01 {NR}	0.50E+01 {NR}	0.22E+01 {NR}	0.10E+00 {NR}
05/12/87	0.78E+01 {NR}	0.84E+02 {NR}	0.74E+02 {NR}	0.30E+01 {NR}	< 0.50E-01 {NR}
06/09/87	0.80E+01 {NR}	0.17E+02 {NR}	0.13E+03 {NR}	0.11E+01 {NR}	0.60E-01 {NR}
07/07/87	0.83E+01 {NR}	0.20E+01 {NR}	0.60E+03 {NR}	0.16E+01 {NR}	0.50E-01 {NR}
08/04/87	0.82E+01 {NR}	0.50E+01 {NR}	0.22E+03 {NR}	0.40E+00 {NR}	< 0.50E-01 {NR}
09/01/87	0.79E+01 {NR}	0.11E+02 {NR}	> 0.24E+04 {NR}	0.32E+01 {NR}	0.20E-01 {NR}
09/29/87	0.81E+01 {NR}	0.50E+01 {NR}	0.92E+03 {NR}	0.28E+01 {NR}	0.60E-01 {NR}
11/17/87	0.77E+01 {NR}	0.20E+01 {NR}	0.35E+03 {NR}	< 0.50E+00 {NR}	0.17E+00 {NR}
12/15/87	0.73E+01 {NR}			0.60E+00 {NR}	0.15E+00 {NR}
12/28/87		0.50E+01 {NR}	0.11E+03 {NR}		
MEAN	0.79E+01	0.10E+02	0.40E+03	0.25E+01	0.90E-01
MINIMUM	0.73E+01	0.20E+01	0.20E+01	0.40E+00	0.20E-01
MAXIMUM	0.83E+01	0.84E+02	0.24E+04	0.83E+01	0.17E+00
2STD.ERR	0.16E+00	0.10E+02	0.40E+03	0.12E+01	0.29E-01

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

1041 RICHLAND PUMP HOUS (RAW GRAB, UNFILTERED)

OFF DATE	COM	PH	FEC COL	COLIFRM	BOD	NO N
-----	----	-----	-----	-----	-----	-----
01/20/87		0.77E+01	0.50E+01	0.11E+02	0.27E+01	0.42E+00
		{NR}	{NR}	{NR}	{NR}	{NR}
02/17/87		0.78E+01	< 0.20E+01	0.20E+01	0.10E+01	0.20E+00
		{NR}	{NR}	{NR}	{NR}	{NR}
03/17/87		0.83E+01	0.20E+01	0.20E+01	0.30E+01	0.10E+00
		{NR}	{NR}	{NR}	{NR}	{NR}
04/14/87		0.76E+01	0.33E+02	0.49E+02	0.24E+01	0.77E+00
		{NR}	{NR}	{NR}	{NR}	{NR}
05/12/87		0.73E+01	0.11E+03	0.17E+03	0.28E+01	< 0.50E-01
		{NR}	{NR}	{NR}	{NR}	{NR}
08/09/87		0.80E+01	0.22E+02	0.34E+02	0.17E+01	0.50E-01
		{NR}	{NR}	{NR}	{NR}	{NR}
07/07/87		0.80E+01	0.49E+02	0.24 E+03	0.21E+01	< 0.50E-01
		{NR}	{NR}	{NR}	{NR}	{NR}
08/04/87		0.82E+01	0.24E+03	0.16E+04	0.17E+01	0.13E+00
		{NR}	{NR}	{NR}	{NR}	{NR}
09/01/87		0.78E+01	0.46E+02	0.92E+03	0.12E+01	0.60E-01
		{NR}	{NR}	{NR}	{NR}	{NR}
09/29/87		0.79E+01	0.33E+02	0.35E+03	0.18E+01	0.90E-01
		{NR}	{NR}	{NR}	{NR}	{NR}
11/17/87		0.76E+01	0.80E+01	0.18E+03	0.27E+01	0.14E+00
		{NR}	{NR}	{NR}	{NR}	{NR}
12/15/87		0.72E+01			< 0.50E+00	0.13E+00
		{NR}			{NR}	{NR}
12/28/87			< 0.20E+01	0.90E+01		
			{NR}	{NR}		
-----	----	-----	-----	-----	-----	-----
MEAN		0.78E+01	0.46E+02	0.30E+03	0.20E+01	0.19E+00
MINIMUM		0.72E+01	0.20E+01	0.20E+01	0.50E+00	0.50E-01
MAXIMUM		0.83E+01	0.24E+03	0.16E+04	0.30E+01	0.77E+00
2STD.ERR		0.19E+00	0.40E+02	0.28E+03	0.46E+00	0.12E+00

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
SURFACE WATER - ONSITE PONDS - PCI/L

VERSION 1.0+
Page 184

6133 WEST LAKE (RAW GRAB, UNFILTERED)

OFF DATE	COM	LOALPHA	BETA	H 3 LIQ	SR 90	CS 137	NA 22
03/03/87		0.14E+03 {0.11E+02}	0.15E+03 {0.24E+02}	0.55E+03 {0.18E+03}	0.18E+01 {0.18E+00}	0.13E+01 {0.96E+00}	nra
06/28/87		0.85E+02 {0.85E+01}	0.95E+02 {0.19E+02}	0.46E+03 {0.23E+03}	0.18E+01 {0.24E+00}	< 0.00E+00 {0.23E+01}	
08/18/87		0.27E+03 {0.15E+02}	0.49E+03 {0.87E+02}	0.57E+03 {0.14E+03}	0.28E+01 {0.26E+00}	< 0.16E+01 {0.30E+01}	
11/18/87		0.26E+03 {0.15E+02}	0.42E+03 {0.80E+02}	0.43E+03 {0.14E+03}	0.23E+01 {0.13E+00}	< 0.63E+00 {0.20E+01}	
MEAN		0.19E+03	0.29E+03	0.50E+03	0.22E+01	0.87E+00	
MINIMUM		0.85E+02	0.95E+02	0.43E+03	0.18E+01	0.00E+00	
MAXIMUM		0.27E+03	0.49E+03	0.57E+03	0.28E+01	0.16E+01	
2STD.ERR		0.89E+02	0.19E+03	0.11E+03	0.49E+00	0.13E+01	

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
SURFACE WATER - ONSITE PONDS - PCI/L

VERSION 1.0*
Page 185

0016 B POND NORTH SIDE (RAW GRAB, UNFILTERED)

OFF DATE COM	LOALPHA	BETA	H 3 LIQ	SR 90	CS 137	NA 22
-----	-----	-----	-----	-----	-----	-----
03/03/87	0.88E+00	0.43E+01	< 0.16E+03	0.33E+00	< 0.69E+00	nra
	{0.43E+00}	{0.16E+01}	{0.18E+03}	{0.86E-01}	{0.21E+01}	
05/28/87	< 0.20E+00	0.23E+01	< -.58E+02	0.12E+00	< 0.83E+00	
	{0.26E+00}	{0.14E+01}	{0.22E+03}	{0.74E-01}	{0.14E+01}	
08/18/87	0.38E+00	0.24E+01	< 0.13E+03	0.42E+00	< 0.18E+01	
	{0.34E+00}	{0.14E+01}	{0.13E+03}	{0.96E-01}	{0.19E+01}	
11/10/87	< 0.29E+00	0.28E+01	< -.11E+02	0.27E+00	< 0.27E+00	
	{0.33E+00}	{0.16E+01}	{0.13E+03}	{0.81E-01}	{0.19E+01}	
-----	-----	-----	-----	-----	-----	-----
MEAN	0.44E+00	0.30E+01	0.55E+02	0.28E+00	0.89E+00	
MINIMUM	0.20E+00	0.23E+01	-.58E+02	0.12E+00	0.27E+00	
MAXIMUM	0.88E+00	0.43E+01	0.16E+03	0.42E+00	0.18E+01	
2STD.ERR	0.37E+00	0.12E+01	0.14E+03	0.16E+00	0.12E+01	

< - Result less than detection limit.
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

8467 400 POND (RAW GRAB, UNFILTERED)

OFF DATE	COM	LOALPHA	BETA	H 3 LIQ	SR 90	CS 137	NA 22
03/03/87		< 0.13E+01 {0.13E+01}	0.17E+02 {0.27E+01}	0.24E+04 {0.22E+03}	nra	< 0.11E+01 {0.20E+01}	< 0.15E+01 {0.15E+01}
05/26/87		< 0.11E+00 {0.20E+00}	0.13E+02 {0.28E+01}	0.95E+04 {0.36E+03}		< 0.36E+00 {0.16E+01}	< 0.82E+00 {0.94E+00}
08/18/87	1	NR {NR}	NR {NR}	NR {NR}		NR {NR}	NR {NR}
11/10/87		< 0.10E+00 {0.29E+00}	0.18E+02 {0.33E+01}	0.48E+04 {0.23E+03}		< -.27E+00 {0.18E+01}	< 0.55E+00 {0.77E+00}
MEAN		0.49E+00	0.16E+02	0.56E+04		0.41E+00	0.95E+00
MINIMUM		0.10E+00	0.13E+02	0.24E+04		-.27E+00	0.55E+00
MAXIMUM		0.13E+01	0.18E+02	0.95E+04		0.11E+01	0.15E+01
2STD.ERR		0.91E+00	0.36E+01	0.48E+04		0.14E+01	0.92E+00

< - Result less than detection limit.
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.
 1 - NO SAMPLE. UNABLE TO SAMPLE.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010787 TO 010688
SURFACE WATER - **ONSITE** PONDS - **PCI/L**

VERSION **1.0***
Page 187

1064 GABLE POND N END (RAW GRAB, UNFILTERED)

OFF DATE	COM	LOALPHA	BETA	H 3 LIQ	SR 90	CS 137	NA 22
-----	---	-----	-----	-----	-----	-----	-----
03/03/87		0.68E+00 {0.37E+00}	0.98E+01 {0.23E+01}	< 0.23E+03 {0.18E+03}	0.70E+00 {0.86E-01}	0.13E+02 {0.23E+01}	nra
06/26/87		0.75E+00 {0.40E+00}	0.49E+01 {0.18E+01}	< 0.12E+02 {0.22E+03}	0.50E+00 {0.69E-01}	0.92E+00 {0.88E+00}	
08/18/87		0.58E+00 {0.37E+00}	0.12E+02 {0.25E+01}	0.22E+03 {0.13E+03}	0.14E+01 {0.11E+00}	0.50E+02 {0.49E+01}	
11/10/87	1	NR {NR}	NR {NR}	NR {NR}	NR {NR}	NR {NR}	
-----	---	-----	-----	-----	-----	-----	-----
MEAN		0.68E+00	0.90E+01	0.15E+03	0.87E+00	0.21E+02	
MINIMUM		0.58E+00	0.49E+01	0.12E+02	0.50E+00	0.92E+00	
MAXIMUM		0.75E+00	0.12E+02	0.23E+03	0.14E+01	0.50E+02	
2STD.ERR		0.26E+00	0.52E+01	0.18E+03	0.62E+00	0.34E+02	

< - Result **less** than detection limit.

{ } - Uncertainty for result.

NR - No result reported.

nra - Not **routinely** analyzed.

1 NO SAMPLE. POND HAS BEEN PERMANENTLY COVERED WITH GRAVEL.

1475 - 100 K AREA

1476 - 100 N-WPPSS AREA

1477 - 100 D AREA

6164 - 100 AREA FIRE STAIR

OFF DATE COM RESULT

02/09/87	0.19E+00
	{0.40E-02}
03/09/87	0.19E+00
	{0.80E-02}
04/08/87	0.20E+00
	{0.10E-02}
05/04/87	0.20E+00
	{0.17E-01}
06/01/87	0.20E+00
	{0.18E-01}
06/29/87	0.19E+00
	{0.70E-02}
07/27/87	0.20E+00
	{0.10E-01}
08/24/87	0.20E+00
	{0.50E-02}
09/21/87	0.19E+00
	{0.11E-01}
10/19/87	0.21E+00
	{0.50E-02}
11/18/87	0.23E+00
	{0.90E-02}
12/14/87	0.21E+00
	{0.70E-02}
01/11/88	0.19E+00
	{0.12E-01}
-----	---
MEAN	0.20E+00
MINIMUM	0.19E+00
MAXIMUM	0.23E+00
2STD.ERR	0.66E-02

OFF DATE COM RESULT

02/09/87	0.23E+00
	{0.90E-02}
03/09/87	0.23E+00
	{0.15E-01}
04/08/87	0.26E+00
	{0.11E-01}
05/04/87	0.22E+00
	{0.10E-01}
06/01/87	0.25E+00
	{0.21E-01}
06/29/87	0.23E+00
	{0.12E-01}
07/27/87	0.22E+00
	{0.10E-01}
08/24/87	0.23E+00
	{0.24E-01}
09/21/87	0.23E+00
	{0.10E-01}
10/19/87	0.24E+00
	{0.40E-02}
11/18/87	0.25E+00
	{0.80E-02}
12/14/87	0.23E+00
	{0.10E-01}
01/11/88	0.21E+00
	{0.18E-01}
-----	---
MEAN	0.23E+00
MINIMUM	0.21E+00
MAXIMUM	0.26E+00
2STD.ERR	0.83E-02

OFF DATE COM RESULT

02/09/87	0.22E+00
	{0.15E-01}
03/09/87	0.21E+00
	{0.40E-02}
04/08/87	0.22E+00
	{0.80E-02}
05/04/87	0.21E+00
	{0.10E-01}
06/01/87	0.21E+00
	{0.70E-02}
06/29/87	0.23E+00
	{0.17E-01}
07/27/87	0.22E+00
	{0.50E-02}
08/24/87	0.22E+00
	{0.19E-01}
09/21/87	0.24E+00
	{0.10E-01}
10/19/87	0.23E+00
	{0.80E-02}
11/18/87	0.25E+00
	{0.70E-02}
12/14/87	0.23E+00
	{0.50E-02}
01/11/88	0.21E+00
	{0.19E-01}
-----	---
MEAN	0.22E+00
MINIMUM	0.21E+00
MAXIMUM	0.25E+00
2STD.ERR	0.80E-02

OFF DATE COM RESULT

02/09/87	0.22E+00
	{0.40E-02}
03/09/87	0.21E+00
	{0.17E-01}
04/08/87	0.22E+00
	{0.50E-02}
05/04/87	0.21E+00
	{0.13E-01}
06/01/87	0.21E+00
	{0.90E-02}
06/29/87	0.21E+00
	{0.60E-02}
07/27/87	0.21E+00
	{0.12E-01}
08/24/87	0.21E+00
	{0.50E-02}
09/21/87	0.23E+00
	{0.60E-02}
10/19/87	0.22E+00
	{0.24E-01}
11/18/87	0.25E+00
	{0.10E-02}
12/14/87	0.23E+00
	{0.10E-02}
01/11/88	0.19E+00
	{0.20E-01}
-----	---
MEAN	0.22E+00
MINIMUM	0.19E+00
MAXIMUM	0.25E+00
2STD.ERR	0.84E-02

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 011487 TO 011388
TLD SAMPLES - MR/DAY

VERSION 1.0*
Page 189

0327 - RT. 11A MI. 9

0324 - N OF 200 E

0326 - 200 TEL. EXCHANGE

0328 - SW OF 200-BC CRIBS

OFF DATE COM RESULT

02/02/87	1	0.19E+00
		{0.50E-02}
03/02/87		0.22E+00
		{0.50E-02}
03/30/87		0.23E+00
		{0.70E-02}
04/27/87		0.22E+00
		{0.15E-01}
05/26/87		0.25E+00
		{0.70E-02}
06/22/87		0.24E+00
		{0.16E-01}
07/20/87		0.22E+00
		{0.11E-01}
08/17/87	2 <	NR
		{NR}
09/15/87		0.21E+00
		{0.12E-01}
10/12/87		0.23E+00
		{0.16E-01}
11/09/87		0.24E+00
		{0.90E-02}
12/07/87		0.23E+00
		{0.90E-02}
01/04/88		0.21E+00
		{0.50E-02}
-----	----	-----
MEAN		0.23E+00
MINIMUM		0.19E+00
MAXIMUM		0.25E+00
2STD.ERR		0.95E-02

OFF DATE COM RESULT

02/02/87	3	0.20E+00
		{0.50E-02}
03/02/87		0.23E+00
		{0.26E-01}
03/30/87		0.23E+00
		{0.40E-02}
04/27/87		0.22E+00
		{0.40E-02}
05/26/87		0.24E+00
		{0.13E-01}
06/22/87		0.22E+00
		{0.11E-01}
07/20/87		0.22E+00
		{0.10E-01}
08/17/87		0.22E+00
		{0.90E-02}
09/14/87		0.24E+00
		{0.70E-02}
10/12/87		0.22E+00
		{0.80E-02}
11/09/87		0.27E+00
		{0.27E-01}
12/07/87		0.23E+00
		{0.90E-02}
01/04/88		0.23E+00
		{0.15E-01}
-----	----	-----
		0.23E+00
		0.20E+00
		0.27E+00
		0.94E-02

OFF DATE COM RESULT

02/02/87	4	0.17E+00
		{0.20E-02}
03/02/87		0.21E+00
		{0.12E-01}
03/30/87		0.21E+00
		{0.20E-02}
04/27/87		0.22E+00
		{0.28E-01}
05/26/87		0.23E+00
		{0.50E-02}
06/22/87		0.22E+00
		{0.60E-02}
07/20/87		0.22E+00
		{0.11E-01}
08/17/87		0.21E+00
		{0.50E-02}
09/14/87		0.22E+00
		{0.12E-01}
18/12/87		0.21E+00
		{0.12E-01}
11/09/87		0.22E+00
		{0.14E-01}
12/07/87		0.22E+00
		{0.40E-02}
01/04/88		0.20E+00
		{0.21E-01}
-----	----	-----
		0.21E+00
		0.17E+00
		0.23E+00
		0.82E-02

OFF DATE COM RESULT

02/02/87	5	0.20E+00
		{0.11E-01}
03/02/87		0.23E+00
		{0.13E-01}
03/30/87		0.23E+00
		{0.40E-02}
04/27/87		0.23E+00
		{0.70E-02}
05/26/87		0.28E+00
		{0.21E-01}
06/22/87		0.23E+00
		{0.28E-01}
07/20/87		0.23E+00
		{0.24E-01}
08/17/87		0.23E+00
		{0.19E-01}
09/14/87		0.24E+00
		{0.21E-01}
10/12/87		0.24E+00
		{0.60E-02}
11/09/87		0.25E+00
		{0.10E-01}
12/07/87		0.23E+00
		{0.50E-02}
01/04/88		0.21E+00
		{0.10E-02}
-----	----	-----
		0.23E+00
		0.20E+00
		0.26E+00
		0.90E-02

< - Result less than detection limit. { } - Uncertainty for result. NR - No result reported.

1 TLD CHIPS WERE NOT AVAILABLE FOR THE JANUARY EXCHANGE.

2 RESULT LOST DURING CHIP READOUT.

3 TLD CHIPS WERE NOT AVAILABLE FOR THE JANUARY EXCHANGE.

4 TLD CHIPS WERE NOT AVAILABLE FOR THE JANUARY EXCHANGE.

5 TLD CHIPS WERE NOT AVAILABLE FOR THE JANUARY EXCHANGE.

1468 - 200 ESE

1618 - 3 OF 200 3

0326 - ARMY LOOP CAMP

1819 - S OF 200 E

OFF DATE COM	RESULT	MEAN	MINIMUM	MAXIMUM	2STD. ERR
02/02/87	1	0.22E+00	0.24E+00	0.22E+00	0.93E-02
03/02/87		{0.40E-02}	0.24E+00	0.27E+00	0.27E+00
03/02/87		{0.10E-01}	0.23E+00	0.22E+00	0.22E+00
03/30/87		0.23E+00	0.23E+00	0.23E+00	0.25E+00
04/27/87		0.23E+00	0.23E+00	0.21E+00	0.22E+00
04/27/87		{0.15E-01}	0.23E+00	0.21E+00	0.24E+00
05/26/87		{0.17E-01}	0.24E+00	0.24E+00	0.25E+00
05/26/87		{0.13E-01}	0.23E+00	0.24E+00	0.26E+00
06/22/87		0.26E+00	0.23E+00	0.23E+00	0.24E+00
06/22/87		{0.16E-01}	0.23E+00	0.23E+00	0.24E+00
07/20/87		0.25E+00	0.23E+00	0.23E+00	0.22E+00
07/20/87		{0.12E-01}	0.23E+00	0.23E+00	0.22E+00
08/17/87		0.23E+00	0.23E+00	0.23E+00	0.23E+00
08/17/87		{0.10E-01}	0.23E+00	0.23E+00	0.23E+00
09/14/87		0.25E+00	0.23E+00	0.25E+00	0.25E+00
09/14/87		{0.09E-02}	0.23E+00	0.25E+00	0.25E+00
10/12/87		0.23E+00	0.23E+00	0.22E+00	0.23E+00
10/12/87		{0.12E-01}	0.23E+00	0.22E+00	0.23E+00
11/09/87		0.26E+00	0.23E+00	0.24E+00	0.24E+00
11/09/87		{0.60E-02}	0.23E+00	0.24E+00	0.24E+00
12/07/87		0.23E+00	0.23E+00	0.25E+00	0.22E+00
12/07/87		{0.22E-01}	0.23E+00	0.25E+00	0.22E+00
01/04/88		{0.13E-01}	0.23E+00	0.23E+00	0.22E+00
02/02/87	2	0.19E+00	0.23E+00	0.19E+00	0.84E-02
03/02/87		{0.10E-01}	0.23E+00	0.23E+00	0.25E+00
03/02/87		{0.90E-02}	0.23E+00	0.22E+00	0.23E+00
03/30/87		0.22E+00	0.23E+00	0.22E+00	0.23E+00
04/27/87		0.21E+00	0.23E+00	0.21E+00	0.23E+00
04/27/87		{0.11E-01}	0.23E+00	0.21E+00	0.23E+00
05/26/87		0.24E+00	0.23E+00	0.24E+00	0.24E+00
05/26/87		{0.90E-02}	0.23E+00	0.24E+00	0.24E+00
06/22/87		0.23E+00	0.23E+00	0.24E+00	0.24E+00
06/22/87		{0.60E-02}	0.23E+00	0.24E+00	0.24E+00
07/20/87		0.23E+00	0.23E+00	0.24E+00	0.24E+00
07/20/87		{0.20E-02}	0.23E+00	0.24E+00	0.24E+00
08/17/87		0.24E+00	0.23E+00	0.25E+00	0.25E+00
08/17/87		{0.14E-01}	0.23E+00	0.25E+00	0.25E+00
09/14/87		0.25E+00	0.23E+00	0.25E+00	0.25E+00
09/14/87		{0.20E-02}	0.23E+00	0.25E+00	0.25E+00
10/12/87		0.24E+00	0.23E+00	0.25E+00	0.25E+00
10/12/87		{0.20E-02}	0.23E+00	0.25E+00	0.25E+00
11/09/87		0.25E+00	0.23E+00	0.25E+00	0.25E+00
11/09/87		{0.20E-02}	0.23E+00	0.25E+00	0.25E+00
12/07/87		0.23E+00	0.23E+00	0.25E+00	0.22E+00
12/07/87		{0.90E-02}	0.23E+00	0.25E+00	0.22E+00
01/04/88		{0.22E+00	0.23E+00	0.25E+00	0.25E+00
02/02/87	3	0.20E+00	0.23E+00	0.20E+00	0.81E-02
03/02/87		{0.16E-01}	0.23E+00	0.20E+00	0.20E+00
03/02/87		0.22E+00	0.23E+00	0.22E+00	0.22E+00
03/02/87		{0.10E-01}	0.23E+00	0.22E+00	0.22E+00
03/30/87		0.23E+00	0.23E+00	0.25E+00	0.25E+00
04/27/87		0.23E+00	0.23E+00	0.24E+00	0.24E+00
04/27/87		{0.17E-01}	0.23E+00	0.24E+00	0.24E+00
05/26/87		0.24E+00	0.23E+00	0.25E+00	0.25E+00
05/26/87		{0.60E-02}	0.23E+00	0.25E+00	0.25E+00
06/22/87		0.24E+00	0.23E+00	0.25E+00	0.25E+00
06/22/87		{0.20E-02}	0.23E+00	0.25E+00	0.25E+00
07/20/87		0.24E+00	0.23E+00	0.25E+00	0.25E+00
07/20/87		{0.20E-02}	0.23E+00	0.25E+00	0.25E+00
08/17/87		0.25E+00	0.23E+00	0.25E+00	0.25E+00
08/17/87		{0.14E-01}	0.23E+00	0.25E+00	0.25E+00
09/14/87		0.25E+00	0.23E+00	0.25E+00	0.25E+00
09/14/87		{0.20E-02}	0.23E+00	0.25E+00	0.25E+00
10/12/87		0.24E+00	0.23E+00	0.25E+00	0.25E+00
10/12/87		{0.20E-02}	0.23E+00	0.25E+00	0.25E+00
11/09/87		0.25E+00	0.23E+00	0.25E+00	0.25E+00
11/09/87		{0.20E-02}	0.23E+00	0.25E+00	0.25E+00
12/07/87		0.23E+00	0.23E+00	0.25E+00	0.22E+00
12/07/87		{0.90E-02}	0.23E+00	0.25E+00	0.22E+00
01/04/88		{0.22E+00	0.23E+00	0.25E+00	0.25E+00
02/02/87	4	0.20E+00	0.23E+00	0.20E+00	0.99E-02
03/02/87		{0.16E-01}	0.23E+00	0.20E+00	0.20E+00
03/02/87		0.22E+00	0.23E+00	0.22E+00	0.22E+00
03/02/87		{0.10E-01}	0.23E+00	0.22E+00	0.22E+00
03/30/87		0.23E+00	0.23E+00	0.25E+00	0.25E+00
04/27/87		0.23E+00	0.23E+00	0.24E+00	0.24E+00
04/27/87		{0.17E-01}	0.23E+00	0.24E+00	0.24E+00
05/26/87		0.24E+00	0.23E+00	0.25E+00	0.25E+00
05/26/87		{0.60E-02}	0.23E+00	0.25E+00	0.25E+00
06/22/87		0.24E+00	0.23E+00	0.25E+00	0.25E+00
06/22/87		{0.20E-02}	0.23E+00	0.25E+00	0.25E+00
07/20/87		0.24E+00	0.23E+00	0.25E+00	0.25E+00
07/20/87		{0.20E-02}	0.23E+00	0.25E+00	0.25E+00
08/17/87		0.25E+00	0.23E+00	0.25E+00	0.25E+00
08/17/87		{0.14E-01}	0.23E+00	0.25E+00	0.25E+00
09/14/87		0.25E+00	0.23E+00	0.25E+00	0.25E+00
09/14/87		{0.20E-02}	0.23E+00	0.25E+00	0.25E+00
10/12/87		0.24E+00	0.23E+00	0.25E+00	0.25E+00
10/12/87		{0.20E-02}	0.23E+00	0.25E+00	0.25E+00
11/09/87		0.25E+00	0.23E+00	0.25E+00	0.25E+00
11/09/87		{0.20E-02}	0.23E+00	0.25E+00	0.25E+00
12/07/87		0.23E+00	0.23E+00	0.25E+00	0.22E+00
12/07/87		{0.90E-02}	0.23E+00	0.25E+00	0.22E+00
01/04/88		{0.22E+00	0.23E+00	0.25E+00	0.25E+00
02/02/87	5	0.20E+00	0.23E+00	0.20E+00	0.99E-02

Result less than detection limit. (D) - Uncertainty for result. NR - No result reported.	1	2	3	4
a CHIPS WERE NOT AVAILABLE FOR THE JANUARY EXCHANGE.				
a CHIPS WERE NOT AVAILABLE FOR THE JANUARY EXCHANGE.				
a CHIPS WERE NOT AVAILABLE FOR THE JANUARY EXCHANGE.				
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SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 011487 TO 011388
TLD SAMPLES - MR/DAY

VERSION 1.0*
Page 191

1486 - 3706 BLDG. 300 AREA

1698 - 3614-A BLDC.

6163 - 300 SOUTHWEST GATE

6162 - 300 SOUTH GATE

OFF DATE	CCM	RESULT	OFF DATE	CCM	RESULT	OFF DATE	CCM	RESULT	OFF DATE	CCM	RESULT
-----	---	-----	-----	---	-----	-----	---	-----	-----	---	-----
02/02/87	1	0.29E+00 {0.11E-01}	02/02/87	3	0.18E+00 {0.80E-02}	02/02/87	4	0.19E+00 {0.11E-01}	02/02/87	5	0.19E+00 {0.90E-02}
03/02/87		0.32E+00 {0.12E-01}	03/02/87		0.21E+00 {0.70E-02}	03/02/87		0.21E+00 {0.60E-02}	03/02/87		0.21E+00 {0.80E-02}
03/30/87		0.32E+00 {0.29E-01}	03/30/87		0.22E+00 {0.40E-02}	03/30/87		0.22E+00 {0.70E-02}	03/30/87		0.21E+00 {0.80E-02}
04/27/87		0.33E+00 {0.16E-01}	04/27/87		0.21E+00 {0.27E-01}	04/27/87		0.22E+00 {0.90E-02}	04/27/87		0.21E+00 {0.60E-02}
05/26/87		0.31E+00 {0.70E-02}	05/26/87		0.23E+00 {0.15E-01}	05/26/87		0.23E+00 {0.40E-02}	05/26/87		0.21E+00 {0.11E-01}
05/28/87	2	0.94E+00 {0.21E-01}	06/22/87		0.23E+00 {0.20E-02}	06/22/87		0.23E+00 {0.21E-01}	06/22/87		0.22E+00 {0.20E-02}
06/22/87		0.24E+00 {0.33E-01}	07/20/87		0.22E+00 {0.16E-01}	07/20/87		0.21E+00 {0.30E-02}	07/20/87		0.22E+00 {0.40E-02}
07/20/87		0.20E+00 {0.12E-01}	08/17/87		0.23E+00 {0.80E-02}	08/17/87		0.22E+00 {0.80E-02}	08/17/87		0.23E+00 {0.10E-01}
08/17/87		0.22E+00 {0.11E-01}	09/14/87		0.29E+00 {0.50E-02}	09/14/87		0.21E+00 {0.12E-01}	09/14/87		0.21E+00 {0.10E-01}
09/14/87		0.22E+00 {0.16E-01}	10/12/87		0.21E+00 {0.11E-01}	10/12/87		0.22E+00 {0.13E-01}	10/12/87		0.23E+00 {0.16E-01}
10/12/87		0.23E+00 {0.13E-01}	11/09/87		0.23E+00 {0.70E-02}	11/09/87		0.24E+00 {0.16E-01}	11/09/87		0.24E+00 {0.10E-01}
11/09/87		0.22E+00 {0.16E-01}	12/07/87		0.21E+00 {0.10E-01}	12/07/87		0.20E+00 {0.40E-02}	12/07/87		0.21E+00 {0.90E-02}
12/07/87		0.21E+00 {0.17E-01}	01/04/88		0.22E+00 {0.50E-02}	01/04/88		0.21E+00 {0.90E-02}	01/04/88		0.21E+00 {0.90E-02}
01/04/88		0.22E+00 {0.50E-02}									
-----	---	-----	-----	---	-----	-----	---	-----	-----	---	-----
MEAN		0.30E+00			0.22E+00			0.22E+00			0.21E+00
MINIMUM		0.20E+00			0.18E+00			0.19E+00			0.19E+00
MAXIMUM		0.94E+00			0.29E+00			0.24E+00			0.24E+00
2STD.ERR		0.10E+00			0.13E-01			0.82E-02			0.77E-02

< - Result less than detection limit. { } - Uncertainty for result. NR - No result reported.

1 TLD CHIPS WERE NOT AVAILABLE FOR THE JANUARY EXCHANGE.

2 SPECIAL TLD BECAUSE STEAM GENERATOR WAS MOVED FROM 377 BLDG.

3 TLD CHIPS WERE NOT AVAILABLE FOR THE JANUARY EXCHANGE.

4 TLD CHIPS WERE NOT AVAILABLE FOR THE JANUARY EXCHANGE.

5 TLD CHIPS WERE NOT AVAILABLE FOR THE JANUARY EXCHANGE.

1699 - 300 TRENCH

1729 - 400 E

6468 - 400 W

6469 - 400 S

OFF DATE COM RESULT

OFF DATE COM RESULT

OFF DATE COM RESULT

OFF DATE COM RESULT

02/02/87	1	0.19E+00
		{0.90E-02}
03/02/87		0.22E+00
		{0.40E-02}
03/30/87		0.23E+00
		{0.12E-01}
04/27/87		0.23E+00
		{0.12E-01}
05/26/87		0.25E+00
		{0.11E-01}
06/22/87		0.23E+00
		{0.11E-01}
07/20/87		0.22E+00
		{0.90E-02}
08/17/87		0.22E+00
		{0.10E-01}
09/14/87		0.23E+00
		{0.10E-01}
10/12/87		0.23E+00
		{0.40E-02}
11/09/87		0.24E+00
		{0.60E-02}
12/07/87		0.24E+00
		{0.21E-01}
01/04/88		0.21E+00
		{0.70E-02}

02/02/87	2	0.18E+00
		{0.40E-02}
03/02/87		0.20E+00
		{0.50E-02}
03/30/87		0.20E+00
		{0.19E-01}
04/27/87		0.21E+00
		{0.40E-02}
05/26/87		0.22E+00
		{0.60E-02}
06/22/87		0.22E+00
		{0.90E-02}
07/20/87		0.21E+00
		{0.40E-02}
08/17/87		0.21E+00
		{0.30E-02}
09/14/87		0.21E+00
		{0.11E-01}
10/12/87		0.22E+00
		{0.40E-02}
11/09/87		0.21E+00
		{0.20E-02}
12/07/87		0.21E+00
		{0.10E-01}
01/04/88		0.20E+00
		{0.11E-01}

02/02/87	3	0.19E+00
		{0.40E-02}
03/02/87		0.19E+00
		{0.21E-01}
03/30/87		0.23E+00
		{0.11E-01}
04/27/87		0.21E+00
		{0.90E-02}
05/26/87		0.25E+00
		{0.80E-02}
06/22/87		0.22E+00
		{0.80E-02}
07/20/87		0.22E+00
		{0.13E-01}
08/17/87		0.22E+00
		{0.10E-01}
09/14/87		0.21E+00
		{0.70E-02}
10/12/87		0.22E+00
		{0.15E-01}
11/09/87		0.23E+00
		{0.70E-02}
12/07/87		0.21E+00
		{0.10E-01}
01/04/88		0.20E+00
		{0.11E-01}

02/02/87	4	0.19E+00
		{0.70E-02}
03/02/87		0.21E+00
		{0.30E-02}
03/30/87		0.22E+00
		{0.70E-02}
04/27/87		0.21E+00
		{0.12E-01}
05/26/87		0.21E+00
		{0.10E-02}
06/22/87		0.23E+00
		{0.80E-02}
07/20/87		0.21E+00
		{0.80E-02}
08/17/87		0.21E+00
		{0.12E-01}
09/14/87		0.21E+00
		{0.80E-02}
10/12/87		0.21E+00
		{0.10E-02}
11/09/87		0.22E+00
		{0.14E-01}
12/07/87		0.21E+00
		{0.11E-01}
01/04/88		0.21E+00
		{0.50E-02}

MEAN	0.23E+00
MINIMUM	0.19E+00
MAXIMUM	0.25E+00
2STD.ERR	0.79E-02

MEAN	0.21E+00
MINIMUM	0.18E+00
MAXIMUM	0.22E+00
2STD.ERR	0.64E-02

MEAN	0.22E+00
MINIMUM	0.19E+00
MAXIMUM	0.25E+00
2STD.ERR	0.10E-01

MEAN	0.21E+00
MINIMUM	0.19E+00
MAXIMUM	0.23E+00
2STD.ERR	0.52E-02

< - Result less than detection limit. { } - Uncertainty for result. NR - No result reported.

1 TLD CHIPS WERE NOT AVAILABLE FOR THE JANUARY EXCHANGE.

2 TLD CHIPS WERE NOT AVAILABLE FOR THE JANUARY EXCHANGE.

3 TLD CHIPS WERE NOT AVAILABLE FOR THE JANUARY EXCHANGE.

4 TLD CHIPS WERE NOT AVAILABLE FOR THE JANUARY EXCHANGE.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 011487 TO 011388
TLD SAMPLES - MR/DAY

VERSION 1.0*
Page 193

6470 - 400 N

8177 - FFTF NORTH

8178 - FFTF SOUTHEAST

1480 - HANFORD TOWNSITE

OFF DATE CQM	RESULT	OFF DATE CQM	RESULT	OFF DATE CQM	RESULT	OFF DATE CQM	RESULT
-----	-----	-----	-----	-----	-----	-----	-----
02/02/87 1	0.19E+00 {0.40E-02}	02/02/87 2	0.20E+00 {0.90E-02}	02/02/87 3	0.19E+00 {0.13E-01}	02/09/87	0.19E+00 {0.60E-02}
03/02/87	0.20E+00 {0.20E-02}	03/02/87	0.22E+00 {0.60E-02}	03/02/87	0.21E+00 {0.11E-01}	03/09/87	0.18E+00 {0.20E-02}
03/30/87	0.22E+00 {0.16E-01}	03/30/87	0.22E+00 {0.23E-01}	03/30/87	0.21E+00 {0.70E-02}	04/06/87	0.21E+00 {0.12E-01}
04/27/87	0.22E+00 {0.90E-02}	04/27/87	0.22E+00 {0.14E-01}	04/27/87	0.22E+00 {0.18E-01}	05/04/87	0.20E+00 {0.30E-02}
05/26/87	0.22E+00 {0.21E-01}	05/26/87	0.25E+00 {0.10E-01}	05/26/87	0.23E+00 {0.11E-01}	06/01/87	0.20E+00 {0.18E-01}
06/22/87	0.22E+00 {0.10E-01}	06/22/87	0.23E+00 {0.70E-02}	06/22/87	0.22E+00 {0.60E-02}	06/29/87	0.21E+00 {0.20E-01}
07/20/87	0.22E+00 {0.12E-01}	07/20/87	0.21E+00 {0.90E-02}	07/20/87	0.20E+00 {0.13E-01}	07/27/87	0.20E+00 {0.50E-02}
08/17/87	0.21E+00 {0.16E-01}	08/17/87	0.23E+00 {0.24E-01}	08/17/87	0.21E+00 {0.60E-02}	08/24/87	0.20E+00 {0.90E-02}
09/14/87	0.23E+00 {0.70E-02}	09/14/87	0.22E+00 {0.90E-02}	09/14/87	0.22E+00 {0.18E-01}	09/21/87	0.21E+00 {0.60E-02}
10/12/87	0.23E+00 {0.50E-02}	10/12/87	0.22E+00 {0.30E-02}	10/12/87	0.22E+00 {0.16E-01}	10/19/87	0.23E+00 {0.25E-01}
11/09/87	0.22E+00 {0.12E-01}	11/09/87	0.23E+00 {0.70E-02}	11/09/87	0.23E+00 {0.14E-01}	11/16/87	0.23E+00 {0.18E-01}
12/07/87	0.22E+00 {0.60E-02}	12/07/87	0.23E+00 {0.40E-02}	12/07/87	0.21E+00 {0.70E-02}	12/14/87	0.21E+00 {0.13E-01}
01/04/88	0.20E+00 {0.50E-02}	01/04/88	0.22E+00 {0.50E-02}	01/04/88	0.21E+00 {0.12E-01}	01/11/88	0.21E+00 {0.60E-02}
-----	-----	-----	-----	-----	-----	-----	-----
MEAN	0.22E+00		0.22E+00		0.21E+00		0.21E+00
MINIMUM	0.19E+00		0.20E+00		0.19E+00		0.18E+00
MAXIMUM	0.23E+00		0.25E+00		0.23E+00		0.23E+00
2STD.ERR	0.69E-02		0.73E-02		0.71E-02		0.91E-02

< - Result less than detection limit. { } - Uncertainty for result. NR - No result reported.

1 TLD CHIPS WERE NOT AVAILABLE FOR THE JANUARY EXCHANGE.

2 TLD CHIPS WERE NOT AVAILABLE FOR THE JANUARY EXCHANGE.

3 TLD CHIPS WERE NOT AVAILABLE FOR THE JANUARY EXCHANGE.

1483 - WYE BARRICADE

0126 - US ECOLOGY NE CORNER

0128 - US ECOLOGY SE CORNER

0127 - US ECOLOGY NW CORNER

OFF DATE CQM RESULT

02/09/87	0.21E+00
	{0.60E-02}
03/09/87	0.21E+00
	{0.30E-02}
04/06/87	0.23E+00
	{0.40E-02}
05/04/87	0.21E+00
	{0.80E-02}
06/01/87	0.21E+00
	{0.60E-02}
06/29/87	0.21E+00
	{0.11E-01}
07/27/87	0.23E+00
	{0.70E-02}
08/24/87	0.22E+00
	{0.17E-01}
09/21/87	0.21E+00
	{0.13E-01}
10/19/87	0.22E+00
	{0.11E-01}
11/16/87	0.23E+00
	{0.80E-02}
12/14/87	0.22E+00
	{0.15E-01}
01/11/88	0.21E+00
	{0.10E-01}

MEAN	0.22E+00
MINIMUM	0.21E+00
MAXIMUM	0.23E+00
2STD.ERR	0.53E-02

OFF DATE CQM RESULT

03/12/87	0.20E+00
	{0.13E-01}
07/02/87	0.22E+00
	{0.11E-01}
09/24/87	0.22E+00
	{0.24E-01}
12/17/87	0.21E+00
	{0.60E-02}

MEAN	0.21E+00
MINIMUM	0.20E+00
MAXIMUM	0.22E+00
2STD.ERR	0.11E-01

OFF DATE CQM RESULT

03/12/87	0.25E+00
	{0.21E-01}
07/02/87	0.39E+00
	{0.90E-02}
09/24/87	0.35E+00
	{0.37E-01}
12/17/87	0.29E+00
	{0.10E-01}

MEAN	0.32E+00
MINIMUM	0.25E+00
MAXIMUM	0.39E+00
2STD.ERR	0.69E-01

OFF DATE CQM RESULT

03/12/87	0.20E+00
	{0.70E-02}
07/02/87	0.22E+00
	{0.11E-01}
09/24/87	0.23E+00
	{0.30E-02}
12/17/87	0.22E+00
	{0.12E-01}

MEAN	0.22E+00
MINIMUM	0.20E+00
MAXIMUM	0.23E+00
2STD.ERR	0.16E-01

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 011487 TO 011388
TLD SAMPLES - MR/DAY

VERSION 1.0*
Page 195

0128 - US ECOLOGY SW CORNER

0129 - WPPSS 1; S OF WNP 2

1491 - BERG RANCH

0927 - SAGEHILL MET TOWER

OFF DATE CQM RESULT

03/12/87	0.25E+00
	{0.11E-01}
07/02/87	0.26E+00
	{0.10E-01}
09/24/87	0.28E+00
	{0.10E-01}
12/17/87	0.24E+00
	{0.13E-01}

OFF DATE CQM RESULT

03/19/87	0.21E+00
	{0.11E-01}
07/02/87	0.22E+00
	{0.11E-01}
09/24/87	0.23E+00
	{0.90E-02}
12/17/87	0.22E+00
	{0.90E-02}

OFF DATE CQM RESULT

02/04/87	0.23E+00
	{0.14E-01}
03/04/87	0.22E+00
	{0.15E-01}
04/01/87	0.23E+00
	{0.21E-01}
04/29/87	0.23E+00
	{0.15E-01}
05/27/87	0.28E+00
	{0.28E-01}
06/24/87	0.28E+00
	{0.11E-01}
07/22/87	0.24E+00
	{0.18E-01}
08/19/87	0.24E+00
	{0.22E-01}
09/16/87	0.25E+00
	{0.14E-01}
10/14/87	0.25E+00
	{0.70E-02}
11/11/87	0.25E+00
	{0.50E-02}
12/09/87	0.25E+00
	{0.15E-01}
01/06/88	0.15E+00
	{0.90E-02}

OFF DATE CQM RESULT

02/04/87	0.20E+00
	{0.80E-02}
03/04/87	0.21E+00
	{0.70E-02}
04/01/87	0.22E+00
	{0.60E-02}
04/29/87	0.21E+00
	{0.11E-01}
05/27/87	0.24E+00
	{0.12E-01}
06/24/87	0.23E+00
	{0.23E-01}
07/22/87	0.22E+00
	{0.80E-02}
08/19/87	0.22E+00
	{0.70E-02}
09/16/87	0.23E+00
	{0.19E-01}
10/14/87	0.22E+00
	{0.11E-01}
11/11/87	0.23E+00
	{0.17E-01}
12/09/87	0.22E+00
	{0.90E-02}
01/06/88	0.12E+00
	{0.30E-02}

-----	-----
MEAN	0.26E+00
MINIMUM	0.24E+00
MAXIMUM	0.28E+00
2STD.ERR	0.16E-01

-----	-----
	0.22E+00
	0.21E+00
	0.23E+00
	0.11E-01

-----	-----
	0.23E+00
	0.15E+00
	0.28E+00
	0.17E-01

-----	-----
	0.21E+00
	0.12E+00
	0.24E+00
	0.17E-01

< - Result less than detection limit. { } - Uncertainty for result. NR - No result reported.

0928 - RINCOLD MET TOWER

8356 - WEST END OF FIR ROAD

6363 - PETTETT FARM

6364 - SACEMOOR FARM

OFF DATE COM RESULT

02/04/87	0.22E+00
	{0.15E-01}
03/04/87	0.21E+00
	{0.10E-01}
04/01/87	0.24E+00
	{0.50E-02}
04/29/87	0.23E+00
	{0.80E-02}
05/27/87	0.26E+00
	{0.20E-02}
06/24/87	0.27E+00
	{0.40E-02}
07/22/87	0.24E+00
	{0.70E-02}
08/19/87	0.24E+00
	{0.19E-01}
09/16/87	0.25E+00
	{0.80E-02}
10/14/87	0.23E+00
	{0.80E-02}
11/11/87	0.25E+00
	{0.32E-01}
12/09/87	0.24E+00
	{0.12E-01}
01/06/88	0.14E+00
	{0.40E-02}

MEAN	0.23E+00
MINIMUM	0.14E+00
MAXIMUM	0.27E+00
2STD. ERR	0.17E-01

OFF DATE COM RESULT

01/14/87	0.19E+00
	{0.70E-02}
02/11/87	0.21E+00
	{0.50E-02}
03/11/87	0.22E+00
	{0.15E-01}
04/08/87	0.22E+00
	{0.14E-01}
05/06/87	0.21E+00
	{0.15E-01}
06/03/87	0.23E+00
	{0.15E-01}
07/01/87	0.23E+00
	{0.14E-01}
07/29/87	0.24E+00
	{0.40E-02}
08/26/87	0.23E+00
	{0.12E-01}
09/23/87	0.22E+00
	{0.10E-02}
10/21/87	0.23E+00
	{0.13E-01}
11/18/87	0.24E+00
	{0.18E-01}
12/16/87	0.23E+00
	{0.30E-02}
01/13/88	0.20E+00
	{0.80E-02}

MEAN	0.22E+00
MINIMUM	0.19E+00
MAXIMUM	0.24E+00
2STD. ERR	0.85E-02

OFF DATE COM RESULT

01/14/87	0.18E+00
	{0.50E-02}
02/11/87	0.19E+00
	{0.70E-02}
03/11/87	0.21E+00
	{0.20E-02}
04/08/87	0.22E+00
	{0.90E-02}
05/06/87	0.20E+00
	{0.30E-02}
06/03/87	0.21E+00
	{0.11E-01}
07/01/87	0.21E+00
	{0.80E-02}
07/29/87	0.23E+00
	{0.20E-01}
08/26/87	0.21E+00
	{0.18E-01}
09/23/87	0.21E+00
	{0.19E-01}
10/21/87	0.21E+00
	{0.18E-01}
11/18/87	0.25E+00
	{0.23E-01}
12/16/87	0.22E+00
	{0.19E-01}
01/13/88	0.20E+00
	{0.80E-02}

MEAN	0.21E+00
MINIMUM	0.18E+00
MAXIMUM	0.25E+00
2STD. ERR	0.94E-02

OFF DATE COM RESULT

01/14/87	0.18E+00
	{0.60E-02}
02/11/87	0.19E+00
	{0.24E-01}
03/11/87	0.20E+00
	{0.50E-02}
04/08/87	0.22E+00
	{0.30E-02}
05/06/87	0.21E+00
	{0.10E-02}
06/03/87	0.22E+00
	{0.18E-01}
07/01/87	0.23E+00
	{0.26E-01}
07/29/87	0.24E+00
	{0.30E-02}
08/26/87	0.21E+00
	{0.40E-02}
09/23/87	0.22E+00
	{0.21E-01}
10/21/87	0.22E+00
	{0.40E-02}
11/18/87	0.23E+00
	{0.20E-01}
12/16/87	0.23E+00
	{0.50E-02}
01/13/88	0.21E+00
	{0.30E-02}

MEAN	0.22E+00
MINIMUM	0.18E+00
MAXIMUM	0.24E+00
2STD. ERR	0.94E-02

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 011487 TO 011388
TLD SAMPLES - MR/DAY

VERSION 1.0*
Page 197

1498 - BYERS LANDING

6171 - RRC CP 64

0925 - HORN RAPIDS RD MI 12

0926 - HORN RAPIDS SUBSTA

OFF DATE CQM RESULT

01/14/87	0.20E+00
	{0.80E-02}
02/11/87	0.22E+00
	{0.50E-02}
03/11/87	0.20E+00
	{0.60E-02}
04/08/87	0.23E+00
	{0.11E-01}
05/06/87	0.22E+00
	{0.13E-01}
06/03/87	0.22E+00
	{0.40E-02}
07/01/87	0.23E+00
	{0.50E-02}
07/29/87	0.24E+00
	{0.26E-01}
08/26/87	0.22E+00
	{0.80E-02}
09/23/87	0.24E+00
	{0.17E-01}
10/21/87	0.23E+00
	{0.10E-01}
11/18/87	0.25E+00
	{0.50E-02}
12/16/87	0.23E+00
	{0.10E-01}
01/13/88	0.21E+00
	{0.25E-01}

MEAN 0.23E+00
MINIMUM 0.20E+00
MAXIMUM 0.25E+00
2STD.ERR 0.79E-02

OFF DATE CQM RESULT

01/14/87	0.18E+00
	{0.20E-02}
02/11/87	0.19E+00
	{0.10E-01}
03/11/87	0.19E+00
	{0.80E-02}
04/08/87	0.22E+00
	{0.11E-01}
05/06/87	0.21E+00
	{0.20E-02}
06/03/87	0.20E+00
	{0.50E-02}
07/01/87	0.21E+00
	{0.40E-02}
07/29/87	0.22E+00
	{0.80E-02}
08/26/87	0.21E+00
	{0.70E-02}
09/23/87	0.22E+00
	{0.60E-02}
10/21/87	0.22E+00
	{0.40E-02}
11/18/87	0.21E+00
	{0.40E-02}
12/16/87	0.22E+00
	{0.21E-01}
01/13/88	0.20E+00
	{0.14E-01}

MEAN 0.21E+00
MINIMUM 0.18E+00
MAXIMUM 0.22E+00
2STD.ERR 0.73E-02

OFF DATE CQM RESULT

02/02/87	1	0.19E+00
		{0.15E-01}
03/02/87		0.22E+00
		{0.90E-02}
03/30/87		0.23E+00
		{0.90E-02}
04/27/87		0.22E+00
		{0.10E-01}
05/26/87		0.24E+00
		{0.90E-02}
06/22/87		0.22E+00
		{0.80E-02}
07/20/87		0.21E+00
		{0.50E-02}
08/17/87		0.22E+00
		{0.15E-01}
09/14/87		0.21E+00
		{0.60E-02}
10/12/87		0.20E+00
		{0.70E-02}
11/09/87		0.22E+00
		{0.60E-02}
12/07/87		0.22E+00
		{0.18E-01}
01/04/88		0.22E+00
		{0.60E-02}

MEAN 0.22E+00
MINIMUM 0.19E+00
MAXIMUM 0.24E+00
2STD.ERR 0.79E-02

OFF DATE CQM RESULT

02/02/87	2	0.19E+00
		{0.70E-02}
03/02/87		0.23E+00
		{0.10E-02}
03/30/87		0.21E+00
		{0.11E-01}
04/27/87		0.22E+00
		{0.70E-02}
05/26/87		0.23E+00
		{0.50E-02}
06/22/87		0.22E+00
		{0.11E-01}
07/20/87		0.21E+00
		{0.11E-01}
08/17/87		0.21E+00
		{0.60E-02}
09/14/87		0.20E+00
		{0.60E-02}
10/12/87		0.22E+00
		{0.90E-02}
11/09/87		0.22E+00
		{0.70E-02}
12/07/87		0.21E+00
		{0.80E-02}
01/04/88		0.21E+00
		{0.11E-01}

MEAN 0.21E+00
MINIMUM 0.19E+00
MAXIMUM 0.23E+00
2STD.ERR 0.74E-02

< - Result less than detection limit. { } - Uncertainty for result. NR - No result reported.

1 TLD CHIPS WERE NOT AVAILABLE FOR THE JANUARY EXCHANGE.

2 TLD CHIPS WERE NOT AVAILABLE FOR THE JANUARY EXCHANGE.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 011487 TO 011388
TLD SAMPLES - MR/DAY

VERSION 1.0*
Page 198

6176 - PROSSER BARRICADE

1484 - ERC

1485 - RATTLESNAKE SPRINGS

1482 - YAKIMA BARRICADE

OFF DATE COM RESULT

OFF DATE COM RESULT

OFF DATE COM RESULT

OFF DATE COM RESULT

```
02/02/87  1  0.20E+00
             {0.80E-02}
03/02/87      0.21E+00
             {0.90E-02}
03/30/87      0.23E+00
             {0.11E-01}
04/27/87      0.23E+00
             {0.14E-01}
05/28/87      0.23E+00
             {0.70E-02}
06/22/87      0.23E+00
             {0.12E-01}
07/20/87      0.21E+00
             {0.15E-01}
08/17/87      0.24E+00
             {0.14E-01}
09/14/87      0.21E+00
             {0.11E-01}
10/12/87      0.23E+00
             {0.15E-01}
11/09/87      0.24E+00
             {0.70E-02}
12/07/87      0.22E+00
             {0.10E-01}
01/04/88      0.22E+00
             {0.50E-02}
```

```
02/02/87  2  0.19E+00
             {0.70E-02}
03/02/87      0.21E+00
             {0.20E-02}
03/30/87      0.23E+00
             {0.11E-01}
04/27/87      0.22E+00
             {0.90E-02}
05/28/87      0.25E+00
             {0.16E-01}
06/22/87      0.23E+00
             {0.17E-01}
07/20/87      0.23E+00
             {0.10E-01}
08/17/87      0.22E+00
             {0.18E-01}
09/14/87      0.22E+00
             {0.18E-01}
10/12/87      0.23E+00
             {0.10E-02}
11/09/87      0.23E+00
             {0.50E-02}
12/07/87      0.23E+00
             {0.22E-01}
01/04/88      0.22E+00
             {0.11E-01}
```

```
02/02/87  3  0.20E+00
             {0.14E-01}
03/02/87      0.21E+00
             {0.10E-01}
03/30/87      0.25E+00
             {0.50E-02}
04/27/87      0.25E+00
             {0.35E-01}
05/28/87      0.28E+00
             {0.17E-01}
06/22/87      0.28E+00
             {0.12E-01}
07/20/87      0.26E+00
             {0.15E-01}
08/17/87      0.25E+00
             {0.23E-01}
09/15/87      0.23E+00
             {0.22E-01}
10/12/87      0.24E+00
             {0.80E-02}
11/09/87      0.24E+00
             {0.17E-01}
12/07/87      0.25E+00
             {0.23E-01}
01/04/88      0.22E+00
             {0.20E-02}
```

```
02/02/87  4  0.21E+00
             {0.11E-01}
03/02/87      0.22E+00
             {0.23E-01}
03/30/87      0.24E+00
             {0.21E-01}
04/27/87      0.25E+00
             {0.60E-02}
05/28/87      0.25E+00
             {0.16E-01}
06/22/87      0.26E+00
             {0.15E-01}
07/20/87      0.25E+00
             {0.19E-01}
08/17/87      0.25E+00
             {0.17E-01}
09/15/87      0.23E+00
             {0.14E-01}
10/12/87      0.26E+00
             {0.18E-01}
11/09/87      0.26E+00
             {0.90E-02}
12/07/87      0.26E+00
             {0.50E-02}
01/04/88      0.23E+00
             {0.11E-01}
```

```
-----
MEAN      0.22E+00
MINIMUM   0.20E+00
MAXIMUM   0.24E+00
2STD.ERR  0.72E-02
```

```
-----
MEAN      0.22E+00
MINIMUM   0.19E+00
MAXIMUM   0.25E+00
2STD.ERR  0.79E-02
```

```
-----
MEAN      0.24E+00
MINIMUM   0.20E+00
MAXIMUM   0.26E+00
2STD.ERR  0.12E-01
```

```
-----
MEAN      0.24E+00
MINIMUM   0.21E+00
MAXIMUM   0.26E+00
2STD.ERR  0.95E-02
```

< - Result less than detection limit. { } - Uncertainty for result. NR - No result reported.

- 1 TLD CHIPS WERE NOT AVAILABLE FOR THE JANUARY EXCHANGE.
- 2 TLD CHIPS WERE NOT AVAILABLE FOR THE JANUARY EXCHANGE.
- 3 TLD CHIPS WERE NOT AVAILABLE FOR THE JANUARY EXCHANGE.
- 4 TLD CHIPS WERE NOT AVAILABLE FOR THE JANUARY EXCHANGE.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 011487 TO 011388
TLD SAMPLES - MR/DAY

VERSION 1.0*
Page 199

1481 - VERNITA BRIDGE S END

1490 - WAHLUKE SLOPE NO.2

0132 - WPPSS 4; WPS WAREHSE

0133 - WPPSS 8; FIR ROAD

OFF DATE CCM	RESULT	OFF DATE CCM	RESULT	OFF DATE CCM	RESULT	OFF DATE CCM	RESULT
-----	-----	-----	-----	-----	-----	-----	-----
02/09/87	0.21E+00	02/09/87	0.21E+00	03/20/87	0.18E+00	03/20/87	0.22E+00
	{0.40E-02}		{0.30E-02}		{0.10E-01}		{0.90E-02}
03/09/87	0.23E+00	03/09/87	0.21E+00	07/02/87	0.20E+00	07/02/87	0.24E+00
	{0.11E-01}		{0.70E-02}		{0.15E-01}		{0.14E-01}
04/06/87	0.22E+00	04/06/87	0.23E+00	09/24/87	0.20E+00	09/24/87	0.25E+00
	{0.20E-02}		{0.23E-01}		{0.30E-02}		{0.10E-01}
05/04/87	0.22E+00	05/04/87	0.22E+00	12/17/87	0.19E+00	12/17/87	0.24E+00
	{0.80E-02}		{0.80E-02}		{0.70E-02}		{0.14E-01}
06/01/87	0.23E+00	06/01/87	0.24E+00				
	{0.25E-01}		{0.50E-02}				
06/29/87	0.23E+00	06/29/87	0.23E+00				
	{0.70E-02}		{0.11E-01}				
07/27/87	0.22E+00	07/27/87	0.24E+00				
	{0.10E-01}		{0.80E-02}				
08/24/87	0.23E+00	08/24/87	0.24E+00				
	{0.14E-01}		{0.14E-01}				
09/21/87	0.24E+00	09/21/87	0.23E+00				
	{0.11E-01}		{0.18E-01}				
10/19/87	0.22E+00	10/19/87	0.24E+00				
	{0.10E-01}		{0.10E-02}				
11/16/87	0.26E+00	11/16/87	0.26E+00				
	{0.40E-02}		{0.10E-01}				
12/14/87	0.24E+00	12/14/87	0.24E+00				
	{0.15E-01}		{0.40E-02}				
01/11/88	0.20E+00	01/11/88	0.22E+00				
	{0.10E-01}		{0.50E-02}				
-----	-----	-----	-----	-----	-----	-----	-----
MEAN	0.23E+00		0.23E+00		0.19E+00		0.23E+00
MINIMUM	0.20E+00		0.21E+00		0.18E+00		0.22E+00
MAXIMUM	0.26E+00		0.26E+00		0.20E+00		0.25E+00
2STD.ERR	0.89E-02		0.77E-02		0.88E-02		0.15E-01

< - Result less than detection limit. { } - Uncertainty for result. NR - No result reported.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 011487 TO 011388
TLD SAMPLES - MR/DAY

VERSION 1.0*
Page 200

1493 - OTHELLO

1494 - CONNELL

1488 - PASCO

1489 - KENNEWICK-ELY STREET

OFF DATE CQM RESULT

02/04/87	0.19E+00
	{0.40E-02}
03/04/87	0.18E+00
	{0.70E-02}
04/01/87	0.20E+00
	{0.40E-02}
04/29/87	0.19E+00
	{0.90E-02}
05/27/87	0.21E+00
	{0.60E-02}
06/24/87	0.22E+00
	{0.17E-01}
07/22/87	0.19E+00
	{0.13E-01}
08/19/87	0.19E+00
	{0.10E-02}
09/16/87	0.19E+00
	{0.10E-02}
10/14/87	0.19E+00
	{0.80E-02}
11/11/87	0.19E+00
	{0.70E-02}
12/09/87	0.19E+00
	{0.40E-02}
01/06/88	0.11E+00
	{0.40E-02}

MEAN	0.19E+00
MINIMUM	0.11E+00
MAXIMUM	0.22E+00
2STD.ERR	0.14E-01

OFF DATE CQM RESULT

02/04/87	0.19E+00
	{0.10E-01}
03/04/87	0.19E+00
	{0.13E-01}
04/01/87	0.20E+00
	{0.10E-01}
04/29/87	0.21E+00
	{0.10E-01}
05/27/87	0.21E+00
	{0.11E-01}
06/24/87	0.24E+00
	{0.40E-02}
07/22/87	0.21E+00
	{0.60E-02}
08/19/87	0.21E+00
	{0.19E-01}
09/16/87	0.21E+00
	{0.40E-02}
10/14/87	0.21E+00
	{0.11E-01}
11/11/87	0.20E+00
	{0.20E-02}
12/09/87	0.21E+00
	{0.16E-01}
01/06/88	0.12E+00
	{0.60E-02}

MEAN	0.20E+00
MINIMUM	0.12E+00
MAXIMUM	0.24E+00
2STD.ERR	0.15E-01

OFF DATE CQM RESULT

01/14/87	0.18E+00
	{0.50E-02}
02/11/87	0.17E+00
	{0.80E-02}
03/11/87	0.20E+00
	{0.10E-01}
04/08/87	0.22E+00
	{0.12E-01}
05/06/87	0.20E+00
	{0.14E-01}
06/03/87	0.20E+00
	{0.70E-02}
07/01/87	0.21E+00
	{0.23E-01}
07/29/87	0.20E+00
	{0.30E-02}
08/26/87	0.20E+00
	{0.10E-02}
09/23/87	0.20E+00
	{0.30E-02}
10/21/87	0.21E+00
	{0.10E-02}
11/18/87	0.20E+00
	{0.18E-01}
12/16/87	0.21E+00
	{0.14E-01}
01/13/88	0.20E+00
	{0.12E-01}

MEAN	0.20E+00
MINIMUM	0.17E+00
MAXIMUM	0.22E+00
2STD.ERR	0.73E-02

OFF DATE CQM RESULT

01/14/87	0.19E+00
	{0.12E-01}
02/11/87	0.21E+00
	{0.20E-01}
03/11/87	0.20E+00
	{0.23E-01}
04/08/87	0.22E+00
	{0.14E-01}
05/06/87	0.20E+00
	{0.50E-02}
06/03/87	0.22E+00
	{0.90E-02}
07/01/87	0.22E+00
	{0.20E-02}
07/29/87	0.23E+00
	{0.22E-01}
08/26/87	0.22E+00
	{0.15E-01}
09/23/87	0.20E+00
	{0.70E-02}
10/21/87	0.22E+00
	{0.10E-01}
11/18/87	0.23E+00
	{0.12E-01}
12/16/87	0.24E+00
	{0.70E-02}
01/13/88	0.19E+00
	{0.10E-01}

MEAN	0.21E+00
MINIMUM	0.19E+00
MAXIMUM	0.24E+00
2STD.ERR	0.82E-02

< - Result less than detection limit. { } - Uncertainty for result. NR - No result reported.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 011487 TO 011388
TLD SAMPLES - MR/DAY

VERSION 1.0*
Page 201

1487 - RICHLAND 700 AREA

OFF DATE	CCM	RESULT
-----	---	-----
01/14/87		0.18E+00
		{0.13E-01}
02/11/87	1 <	NR
		{NR}
03/11/87		0.17E+00
		{0.70E-02}
04/08/87		0.20E+00
		{0.90E-02}
05/06/87		0.18E+00
		{0.80E-02}
06/03/87		0.21E+00
		{0.13E-01}
07/01/87		0.21E+00
		{0.21E-01}
07/29/87		0.21E+00
		{0.13E-01}
08/26/87		0.19E+00
		{0.90E-02}
09/23/87		0.20E+00
		{0.80E-02}
10/21/87		0.20E+00
		{0.80E-02}
11/18/87		0.20E+00
		{0.90E-02}
12/16/87		0.21E+00
		{0.19E-01}
01/13/88		0.19E+00
		{0.10E-01}
-----	---	-----
MEAN		0.20E+00
MINIMUM		0.17E+00
MAXIMUM		0.21E+00
2STD.ERR		0.77E-02

1499 - BENTON CITY

OFF DATE	CCM	RESULT
-----	---	-----
02/10/87		0.19E+00
		{0.10E-01}
03/10/87		0.17E+00
		{0.50E-02}
04/07/87		0.18E+00
		{0.12E-01}
05/05/87		0.19E+00
		{0.40E-02}
06/02/87		0.20E+00
		{0.10E-02}
06/30/87		0.19E+00
		{0.90E-02}
07/28/87		0.20E+00
		{0.50E-02}
08/25/87		0.19E+00
		{0.90E-02}
09/22/87		0.19E+00
		{0.15E-01}
10/20/87		0.20E+00
		{0.14E-01}
11/17/87		0.20E+00
		{0.90E-02}
12/15/87		0.19E+00
		{0.80E-02}
01/12/88		0.17E+00
		{0.80E-02}
-----	---	-----
		0.19E+00
		0.17E+00
		0.20E+00
		0.57E-02

1643 - PROSSER

OFF DATE	CCM	RESULT
-----	---	-----
02/10/87		0.18E+00
		{0.50E-02}
03/10/87		0.17E+00
		{0.20E-02}
04/07/87		0.20E+00
		{0.13E-01}
05/05/87		0.18E+00
		{0.10E-01}
06/02/87		0.21E+00
		{0.70E-02}
06/30/87		0.20E+00
		{0.12E-01}
07/28/87		0.21E+00
		{0.30E-02}
08/25/87		0.20E+00
		{0.60E-02}
09/22/87		0.20E+00
		{0.21E-01}
10/20/87		0.20E+00
		{0.17E-01}
11/17/87		0.20E+00
		{0.60E-02}
12/15/87		0.21E+00
		{0.10E-01}
01/12/88		0.18E+00
		{0.50E-02}
-----	---	-----
		0.20E+00
		0.17E+00
		0.21E+00
		0.76E-02

1496 - ELTOPIA

OFF DATE	CCM	RESULT
-----	---	-----
02/04/87		0.19E+00
		{0.10E-02}
03/04/87		0.19E+00
		{0.10E-01}
04/01/87		0.22E+00
		{0.10E-02}
04/29/87		0.21E+00
		{0.11E-01}
05/27/87		0.23E+00
		{0.10E-01}
06/24/87		0.22E+00
		{0.14E-01}
07/22/87		0.22E+00
		{0.70E-02}
08/19/87		0.22E+00
		{0.90E-02}
09/16/87		0.21E+00
		{0.13E-01}
10/14/87		0.21E+00
		{0.80E-02}
11/12/87		0.20E+00
		{0.80E-02}
12/09/87		0.21E+00
		{0.30E-02}
01/06/88		0.12E+00
		{0.10E-02}
-----	---	-----
		0.20E+00
		0.12E+00
		0.23E+00
		0.16E-01

< - Result less than detection limit. { } - Uncertainty for result. NR - No result reported.
1 TLD LOST

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 011487 TO 011388
TLD SAMPLES - MR/DAY

VERSION 1.0-
Page 202

1642 - MATTAWA

1693 - MOSES LAKE

1694 - WASHTUCNA

1695 - WALLA WALLA

OFF DATE COM RESULT

02/10/87	0.20E+00
	{0.18E-01}
03/10/87	0.20E+00
	{0.21E-01}
04/07/87	0.20E+00
	{0.90E-02}
05/05/87	0.18E+00
	{0.13E-01}
06/02/87	0.20E+00
	{0.14E-01}
06/30/87	0.19E+00
	{0.20E-01}
07/28/87	0.19E+00
	{0.60E-02}
08/25/87	0.19E+00
	{0.90E-02}
09/22/87	0.19E+00
	{0.50E-02}
10/20/87	0.19E+00
	{0.11E-01}
11/17/87	0.20E+00
	{0.14E-01}
12/15/87	0.20E+00
	{0.10E-01}
01/12/88	0.17E+00
	{0.80E-02}

MEAN 0.19E+00
MINIMUM 0.17E+00
MAXIMUM 0.20E+00
2STD.ERR 0.58E-02

OFF DATE COM RESULT

01/16/87	0.16E+00
	{0.80E-02}
02/13/87	0.16E+00
	{NR}
03/13/87	0.17E+00
	{0.30E-02}
04/10/87	0.19E+00
	{0.80E-02}
05/08/87	0.17E+00
	{0.18E-01}
06/05/87	0.19E+00
	{0.70E-02}
07/02/87	0.19E+00
	{0.12E-01}
07/31/87	0.18E+00
	{0.13E-01}
08/28/87	0.18E+00
	{0.10E-01}
09/25/87	0.20E+00
	{0.50E-02}
10/23/87	0.17E+00
	{0.90E-02}
11/20/87	0.21E+00
	{0.10E-01}
12/18/87	0.20E+00
	{0.12E-01}

MEAN 0.18E+00
MINIMUM 0.16E+00
MAXIMUM 0.21E+00
2STD.ERR 0.95E-02

OFF DATE COM RESULT

01/16/87	0.19E+00
	{0.11E-01}
02/13/87	0.20E+00
	{0.10E-02}
03/13/87	0.20E+00
	{0.21E-01}
04/10/87	0.22E+00
	{0.21E-01}
05/08/87	0.21E+00
	{0.20E-01}
06/05/87	0.21E+00
	{0.70E-02}
07/02/87	0.22E+00
	{0.20E-02}
07/31/87	0.22E+00
	{0.20E-02}
08/28/87	0.21E+00
	{0.80E-02}
09/25/87	0.22E+00
	{0.31E-01}
10/23/87	0.20E+00
	{0.40E-02}
11/20/87	0.23E+00
	{0.20E-01}
12/18/87	0.21E+00
	{0.80E-02}

MEAN 0.21E+00
MINIMUM 0.19E+00
MAXIMUM 0.23E+00
2STD.ERR 0.75E-02

OFF DATE COM RESULT

02/06/87	0.21E+00
	{0.70E-02}
03/06/87	0.20E+00
	{0.13E-01}
04/03/87	0.21E+00
	{0.14E-01}
05/01/87	0.21E+00
	{0.50E-02}
05/29/87	0.23E+00
	{0.70E-02}
06/26/87	0.21E+00
	{0.16E-01}
07/24/87	0.20E+00
	{0.50E-02}
08/21/87	0.22E+00
	{0.12E-01}
09/18/87	0.22E+00
	{0.10E-01}
10/16/87	0.22E+00
	{0.12E-01}
11/13/87	0.22E+00
	{0.15E-01}
12/11/87	0.22E+00
	{0.70E-02}
01/08/88	0.12E+00
	{0.30E-02}

MEAN 0.21E+00
MINIMUM 0.12E+00
MAXIMUM 0.23E+00
2STD.ERR 0.16E-01

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 011487 TO 011388
TLD SAMPLES - MR/DAY

VERSION 1.0*
Page 203

1696 - MC NARY DAM

1600 - SUNNYSIDE

1644 - YAKIMA

6136 - COYOTE RAPIDS

OFF DATE CCM RESULT

02/06/87	0.22E+00
	{0.60E-02}
03/06/87	0.22E+00
	{0.80E-02}
04/03/87	0.22E+00
	{0.10E-01}
05/01/87	0.22E+00
	{0.40E-02}
05/29/87	0.26E+00
	{0.12E-01}
06/26/87	0.22E+00
	{0.27E-01}
07/24/87	0.22E+00
	{0.90E-02}
08/21/87	0.23E+00
	{0.13E-01}
09/18/87	0.22E+00
	{0.60E-02}
10/16/87	0.21E+00
	{0.40E-02}
11/13/87	0.22E+00
	{0.50E-02}
12/11/87	0.24E+00
	{0.80E-02}
01/08/88	0.13E+00
	{0.60E-02}

MEAN	0.22E+00
MINIMUM	0.13E+00
MAXIMUM	0.26E+00
2STD.ERR	0.16E-01

OFF DATE CCM RESULT

02/10/87	0.20E+00
	{0.60E-02}
03/10/87	0.18E+00
	{0.30E-02}
04/07/87	0.20E+00
	{0.90E-02}
05/05/87	0.18E+00
	{0.50E-02}
06/02/87	0.21E+00
	{0.40E-02}
06/30/87	0.20E+00
	{0.90E-02}
07/28/87	0.21E+00
	{0.80E-02}
08/25/87	0.20E+00
	{0.80E-02}
09/22/87	0.20E+00
	{0.22E-01}
10/20/87	0.21E+00
	{0.11E-01}
11/17/87	0.20E+00
	{0.60E-02}
12/15/87	0.21E+00
	{0.30E-02}
01/12/88	0.17E+00
	{0.80E-02}

MEAN	0.20E+00
MINIMUM	0.17E+00
MAXIMUM	0.21E+00
2STD.ERR	0.74E-02

OFF DATE CCM RESULT

02/10/87	0.19E+00
	{0.13E-01}
03/10/87	0.18E+00
	{0.70E-02}
04/07/87	0.19E+00
	{0.60E-02}
05/05/87	0.18E+00
	{0.10E-01}
06/02/87	0.20E+00
	{0.12E-01}
06/30/87	0.19E+00
	{0.90E-02}
07/28/87	0.18E+00
	{0.50E-02}
08/25/87	0.19E+00
	{0.11E-01}
09/22/87	0.19E+00
	{0.90E-02}
10/20/87	0.19E+00
	{0.20E-02}
11/17/87	0.19E+00
	{0.90E-02}
12/15/87	0.19E+00
	{0.80E-02}
01/12/88	0.17E+00
	{0.15E-01}

MEAN	0.19E+00
MINIMUM	0.17E+00
MAXIMUM	0.20E+00
2STD.ERR	0.45E-02

OFF DATE CCM RESULT

03/19/87	0.14E+00
	{0.10E-02}
06/25/87	0.16E+00
	{0.10E-01}
09/24/87	1 < NR
	{NR}

MEAN	0.15E+00
MINIMUM	0.14E+00
MAXIMUM	0.16E+00
2STD.ERR	0.15E-01

< - Result less than detection limit. { } - Uncertainty for result. NR - No result reported.
1 TLD MISSING.

8636 - DS 100 N **OUTFALL**

OFF DATE COM	RESULT
-----	-----
01/15/87	0.62E+00
	{0.25E-01}
02/12/87	0.53E+00
	{0.18E-01}
03/12/87	0.53E+00
	{0.56E-01}
04/13/87	0.79E+00
	{0.38E-01}
05/07/87	0.74E+00
	{0.11E-01}
06/04/87	0.68E+00
	{0.50E-02}
06/25/87	0.57E+00
	{0.70E-02}
07/30/87	0.48E+00
	{0.34E-01}
09/02/87	0.47E+00
	{0.18E-01}
09/24/87	0.56E+00
	{0.55E-01}
10/22/87	0.43E+00
	{0.19E-01}
11/24/87	0.54E+00
	{0.23E-01}
12/17/87	0.56E+00
	{0.11E-01}
-----	-----
MEAN	0.58E+00
MINIMUM	0.43E+00
MAXIMUM	0.79E+00
2STD.ERR	0.59E-01

6537 - **BELO 100N** MAIN STACK

OFF DATE COM	RESULT
-----	-----
01/15/87	0.64E+00
	{0.64E-01}
02/12/87	0.39E+00
	{0.70E-02}
03/12/87	0.41E+00
	{0.46E-01}
04/13/87	0.60E+00
	{0.13E-01}
05/07/87	0.56E+00
	{0.14E-01}
06/04/87	0.43E+00
	{0.17E-01}
06/25/87	0.45E+00
	{0.26E-01}
07/30/87	0.47E+00
	{0.36E-01}
09/02/87	0.37E+00
	{0.23E-01}
09/24/87	0.46E+00
	{0.17E-01}
11/06/87 1	0.27E+00
	{0.16E-01}
11/24/87	0.44E+00
	{0.19E-01}
12/17/87	0.48E+00
	{0.13E-01}
-----	-----
	0.46E+00
	0.27E+00
	0.64E+00
	0.55E-01

8390 - 100 N TRENCH SPR-RIV

OFF DATE COM	RESULT
-----	-----
01/15/87	0.64E+00
	{0.30E-02}
02/12/87	0.85E+00
	{0.36E-01}
03/12/87	0.65E+00
	{0.56E-01}
04/13/87	0.88E+00
	{0.38E-01}
05/07/87	0.62E+00
	{0.30E-01}
06/04/87	0.88E+00
	{0.35E-01}
06/25/87	0.92E+00
	{0.30E-01}
07/30/87	0.95E+00
	{0.81E-01}
09/02/87	0.63E+00
	{0.39E-01}
09/24/87	0.94E+00
	{0.60E-02}
10/22/87	0.59E+00
	{0.24E-01}
11/24/87	0.78E+00
	{0.59E-01}
12/17/87	0.77E+00
	{0.50E-01}
-----	-----
	0.78E+00
	0.59E+00
	0.95E+00
	0.75E-01

6475 - DN STREAM 100 D AREA

OFF DATE COM	RESULT
-----	-----
03/19/87	0.25E+00
	{0.60E-02}
06/25/87 2	< NR
	{NR}
09/24/87 3	0.28E+00
	{0.26E-01}
-----	-----
	0.27E+00
	0.25E+00
	0.28E+00
	0.41E-01

< - Result less than detection limit. { } - Uncertainty for result. NR - No result reported.

1 WAS ORIGINALLY REPORTED LOST, BUT LATER FOUND.

2 TLD NOT CHANGED OUT.

3 TLD STAYED IN FIELD FOR 2ND & 3RD QUARTER.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 011487 TO 011388
TLD SAMPLES - MR/DAY

VERSION 1.0*
Page 204

1716 - RICHLAND PUMP HOUSE

6471 - UP STREAM 100 B AREA

6472 - DS 1B RET BASIN-RIVR

6260 - US 100 K BOAT RAMP

OFF DATE CQM RESULT

03/19/87 0.12E+00
 {0.30E-02}
06/25/87 1 < NR
 {NR}
09/24/87 0.18E+00
 {0.20E-02}

MEAN 0.14E+00
MINIMUM 0.12E+00
MAXIMUM 0.18E+00
2STD.ERR 0.48E-01

OFF DATE CQM RESULT

03/19/87 0.19E+00
 {0.80E-02}
06/25/87 0.22E+00
 {0.12E-01}
09/24/87 0.24E+00
 {0.60E-02}

MEAN 0.22E+00
MINIMUM 0.19E+00
MAXIMUM 0.24E+00
2STD.ERR 0.32E-01

OFF DATE CQM RESULT

03/19/87 0.38E+00
 {0.13E-01}
06/25/87 0.38E+00
 {0.50E-02}
09/24/87 0.43E+00
 {0.33E-01}

MEAN 0.38E+00
MINIMUM 0.36E+00
MAXIMUM 0.43E+00
2STD.ERR 0.51E-01

OFF DATE CQM RESULT

03/19/87 0.21E+00
 {0.13E-01}
06/25/87 0.22E+00
 {0.13E-01}
09/24/87 0.23E+00
 {0.11E-01}

MEAN 0.22E+00
MINIMUM 0.21E+00
MAXIMUM 0.23E+00
2STD.ERR 0.19E-01

< - Result less than detection limit. { } - Uncertainty for result. NR - No result reported.
1 TLO MISSING.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 011487 TO 011388
TLD SAMPLES - MR/DAY

VERSION 1.0*
Page 206

6261 - DN STREAM OPP 100 D

OFF DATE	CCM	RESULT
03/19/87		0.20E+00
		{0.17E-01}
06/25/87		0.20E+00
		{0.16E-01}
09/24/87		0.21E+00
		{0.13E-01}
MEAN		0.20E+00
MINIMUM		0.20E+00
MAXIMUM		0.21E+00
2STD.ERR		0.13E-01

6262 - LOCKE ISL LOWER END

OFF DATE	CCM	RESULT
03/19/87		0.21E+00
		{0.12E-01}
06/25/87		0.23E+00
		{0.80E-02}
09/24/87		0.24E+00
		{0.20E-01}
MEAN		0.23E+00
MINIMUM		0.21E+00
MAXIMUM		0.24E+00
2STD.ERR		0.27E-01

6263 - WHITE BLUFFS FY LND.

OFF DATE	CCM	RESULT
03/19/87		0.20E+00
		{0.80E-02}
06/25/87		0.22E+00
		{0.40E-02}
09/24/87		0.24E+00
		{0.14E-01}
MEAN		0.22E+00
MINIMUM		0.20E+00
MAXIMUM		0.24E+00
2STD.ERR		0.23E-01

6476 - WHITE BLUFFS SLOUGH

OFF DATE	CCM	RESULT
03/19/87		0.31E+00
		{0.70E-02}
06/25/87		0.33E+00
		{0.17E-01}
09/24/87		0.41E+00
		{0.10E-02}
MEAN		0.35E+00
MINIMUM		0.31E+00
MAXIMUM		0.41E+00
2STD.ERR		0.66E-01

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 011487 TO 011388
TLD SAMPLES - MR/DAY

VERSION 1.0*
Page 207

6477 - 100 F FLOOD PLAIN

OFF DATE	COM	RESULT
03/19/87		0.32E+00 {0.70E-02}
06/26/87		0.35E+00 {0.16E-01}
09/24/87		0.38E+00 {0.27E-01}
MEAN		0.35E+00
MINIMUM		0.32E+00
MAXIMUM		0.38E+00
2STD.ERR		0.46E-01

6264 - DN STREAM 100 F AREA

OFF DATE	COM	RESULT
03/19/87		0.20E+00 {0.18E-01}
06/25/87		0.22E+00 {0.19E-01}
09/24/87		0.23E+00 {0.18E-01}
MEAN		0.22E+00
MINIMUM		0.20E+00
MAXIMUM		0.23E+00
2STD.ERR		0.22E-01

6478 - HANFORD PENINSULA

OFF DATE	COM	RESULT
03/19/87		0.28E+00 {0.40E-02}
06/25/87		0.32E+00 {0.29E-01}
09/24/87		0.37E+00 {0.22E-01}
MEAN		0.33E+00
MINIMUM		0.28E+00
MAXIMUM		0.37E+00
2STD.ERR		0.62E-01

6389 - HANFORD POWRLINE-RIV

OFF DATE	COM	RESULT
03/19/87		0.22E+00 {0.80E-02}
06/25/87		0.23E+00 {0.22E-01}
09/24/87		0.26E+00 {0.22E-01}
MEAN		0.24E+00
MINIMUM		0.22E+00
MAXIMUM		0.26E+00
2STD.ERR		0.27E-01

< - Result less than detection limit. { } - Uncertainty for result. NR - No result reported.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 011487 TO 011388
TLD SAMPLES - MR/DAY

VERSION 1.0*
Page 208

6265 - HANFORD FERRY LND.

OFF DATE COM	RESULT
-----	-----
03/19/87	0.19E+00
	{0.10E-01}
06/25/87	0.20E+00
	{0.13E-01}
09/24/87	0.22E+00
	{0.00E-02}
-----	-----
MEAN	0.21E+00
MINIMUM	0.19E+00
MAXIMUM	0.22E+00
2STD.ERR	0.19E-01

6266 - HANFORD RR TRACK-RIV

OFF DATE COM	RESULT
-----	-----
03/19/87	0.27E+00
	{0.00E-02}
06/25/87	0.29E+00
	{0.10E-01}
09/24/87	0.32E+00
	{0.23E-01}
-----	-----
	0.29E+00
	0.27E+00
	0.32E+00
	0.37E-01

6479 - SAVAGE ISL SLOUGH

OFF DATE COM	RESULT
-----	-----
03/19/87	0.25E+00
	{0.10E-01}
06/25/87	0.28E+00
	{0.90E-02}
09/24/87	0.31E+00
	{0.10E-01}
-----	-----
	0.28E+00
	0.25E+00
	0.31E+00
	0.40E-01

6287 - RINGOLD ISLAND

OFF DATE COM	RESULT
-----	-----
03/19/87	0.20E+00
	{0.00E-02}
06/25/87	0.22E+00
	{0.40E-02}
09/24/87	0.23E+00
	{0.10E-01}
-----	-----
	0.22E+00
	0.20E+00
	0.23E+00
	0.19E-01

< - Result less than detection limit. { } - Uncertainty for result. NR - No result reported.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 011487 TO 011388
TLD SAMPLES - MR/DAY

VERSION 1.0*
Page 289

6268 - POWER LINE CROSS-RIV

OFF DATE	COM	RESULT
03/19/87		0.23E+00
		{0.22E-01}
06/25/87		0.26E+00
		{0.28E-01}
09/24/87		0.27E+00
		{0.35E-01}
MEAN		0.25E+00
MINIMUM		0.23E+00
MAXIMUM		0.27E+00
2STD.ERR		0.34E-01

6480 - WOODED ISL NORTH END

OFF DATE	COM	RESULT
03/19/87		0.21E+00
		{0.60E-02}
06/25/87		0.19E+00
		{0.11E-01}
09/24/87		0.22E+00
		{0.12E-01}
MEAN		0.21E+00
MINIMUM		0.19E+00
MAXIMUM		0.22E+00
2STD.ERR		0.19E-01

8289 - WOODED ISL SOUTH END

OFF DATE	COM	RESULT
03/19/87		0.25E+00
		{0.60E-02}
06/25/87		0.28E+00
		{0.13E-01}
09/24/87		0.27E+00
		{0.30E-02}
MEAN		0.26E+00
MINIMUM		0.25E+00
MAXIMUM		0.27E+00
2STD.ERR		0.19E-01

8481 - ISLAND NEAR 388 AREA

OFF DATE	COM	RESULT
03/19/87		0.27E+00
		{0.80E-02}
06/25/87		0.24E+00
		{0.12E-01}
09/24/87		0.30E+00
		{0.17E-01}
MEAN		0.27E+00
MINIMUM		0.24E+00
MAXIMUM		0.30E+00
2STD.ERR		0.44E-01

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 011487 TO 011388
TLD SAMPLES - MR/DAY

VERSION 1.0+
Page 210

6482 - ISL DS BATEMAN ISL

OFF DATE COM	RESULT	OFF DATE COM	RESULT	OFF DATE COM	RESULT	OFF DATE COM	RESULT
-----	-----	-----	-----	-----	-----	-----	-----
03/19/87	0.24E+00						
06/26/87	{0.13E-01}						
1	NR						
	{NR}						
09/24/87	0.27E+00						
	{0.12E-01}						
-----	-----	-----	-----	-----	-----	-----	-----
MEAN	0.26E+00						
MINIMUM	0.24E+00						
MAXIMUM	0.27E+00						
2STD.ERR	0.41E-01						

< - Result less than detection limit. () - Uncertainty for result. NR - No result reported.

1 TLD MISSING
TLD MISSING

< - Result less than detection limit
() - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
FOODSTUFFS - MILK SAMPLES - PCI/L

VERSION 1.0*
Page 212

0306 WAHLUKE EAST COMP - WAHLUKE EAST COMP, WAHLUKE EAST COMP, WAHLUKE EAST COMP (DAIRY, MILK)

OFF DATE COM	H 3 LIQ	SR 89	SR 90	■ 129	I 131 R	CS 137
01/07/87	< 0.18E+03 {0.18E+03}	nra	nra	nra	< 0.23E-01 {0.17E+00}	< 0.21E+01 {0.42E+01}
02/04/87	< - .38E+02 {0.17E+03}	nra	nra	nra	< 0.12E+00 {0.28E+00}	< 0.37E+01 {0.42E+01}
03/04/87	< - .32E+01 {0.17E+03}	< 0.58E+00 {0.65E+00}	0.13E+01 {0.35E+00}	0.38E-01 {0.35E-02}	< 0.63E-01 {0.20E+00}	< 0.20E+01 {0.39E+01}
04/01/87	< 0.45E+02 {0.17E+03}	nra	nra	nra	< - .48E-01 {0.23E+00}	0.57E+01 {0.42E+01}
04/29/87	< 0.55E+02 {0.19E+03}	nra	nra	nra	< 0.15E+00 {0.25E+00}	< - .88E-01 {0.32E+01}
05/27/87	< 0.42E+02 {0.13E+03}	< 0.26E+00 {0.61E+00}	0.91E+00 {0.27E+00}	nra	< 0.65E-01 {0.19E+00}	0.37E+01 {0.25E+01}
06/24/87	0.25E+03 {0.13E+03}	nra	nra	nra	< 0.45E-01 {0.35E+00}	< 0.19E+01 {0.27E+01}
07/22/87	< 0.70E+02 {0.13E+03}	nra	nra	nra	< 0.20E+00 {0.25E+00}	< 0.73E+00 {0.31E+01}
08/19/87	< 0.35E+02 {0.13E+03}	< - .30E+00 {0.44E+00}	0.58E+00 {0.30E+00}	0.66E-02 {0.48E-03}	< 0.22E+00 {0.25E+00}	< 0.67E+00 {0.27E+01}
09/16/87	< 0.13E+03 {0.13E+03}	nra	nra	nra	< - .17E+00 {0.30E+00}	< - .17E+01 {0.36E+01}
10/14/87	< 0.85E+02 {0.18E+03}	nra	nra	nra	< - .14E+00 {0.21E+00}	< - .11E+01 {0.43E+01}
11/11/87	0.17E+03 {0.13E+03}	< - .40E-01 {0.56E+00}	0.84E+00 {0.31E+00}	nra	< 0.20E-01 {0.19E+00}	< 0.66E+00 {0.24E+01}
12/09/87	< 0.12E+03 {0.13E+03}	nra	nra	nra	< - .98E-01 {0.15E+00}	< - .36E+01 {0.28E+01}
MEAN	0.85E+02	0.12E+00	0.90E+00	0.22E-01	0.35E-01	0.11E+01
MINIMUM	- .38E+02	- .30E+00	0.58E+00	0.66E-02	- .17E+00	- .36E+01
MAXIMUM	0.25E+03	0.56E+00	0.13E+01	0.38E-01	0.22E+00	0.57E+01
2STD.ERR	0.60E+02	0.51E+00	0.37E+00	0.40E-01	0.95E-01	0.17E+01

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
FOODSTUFFS - MILK SAMPLES - PCI/L

VERSION 1.0*
Page 213

0308 SACEMOOR COMPOSITE - **SAGEM00R** COMPOSITE, SAGEM00W COMPOSITE, SACEMOOR COMPOSITE (DAIRY, MILK)

OFF DATE COM	H 3 LIQ	SR 89	SR 90	I 129	I 131 R	CS 137
-----	-----	-----	-----	-----	-----	-----
01/14/87	nra	nra	nra	nra	< 0.16E+00 {0.17E+00}	0.68E+01 {0.43E+01}
01/28/87	< 0.23E+03 {0.18E+03}	nra	nra	nra	< 0.14E+00 {0.28E+00}	0.49E+01 {0.46E+01}
02/11/87	nra	nra	nra	nra	< -0.10E+00 {0.22E+00}	< 0.21E+01 {0.44E+01}
02/25/87	< 0.17E+03 {0.18E+03}	nra	nra	0.14E-01 {0.12E-02}	< -0.11E-01 {0.21E+00}	< -0.14E+01 {0.48E+01}
03/11/87	nra	nra	0.88E+00 (0.34 E+00)	nra	< 0.78E-01 {0.29E+00}	0.61E+01 {0.24E+01}
03/25/87	< 0.13E+03 {0.18E+03}	nra	nra	nra	< 0.96E-01 {0.27E+00}	< -0.93E+00 {0.28E+01}
04/08/87	nra	nra	nra	nra	< 0.13E+00 {0.25E+00}	< 0.15E+01 {0.28E+01}
04/22/87	< 0.14E+03 {0.19E+03}	nra	nra	nra	< 0.13E+00 {0.23E+00}	0.86E+01 {0.36E+01}
05/06/87	nra	nra	nra	nra	< 0.27E-01 {0.21E+00}	< 0.26E+00 {0.28E+01}
05/20/87	< 0.15E+03 {0.18E+03}	nra	nra	nra	< 0.91E-01 {0.30E+00}	< -0.41E+01 {0.30E+01}
06/03/87	nra	nra	0.86E+00 {0.45E+00}	nra	< 0.62E-01 {0.20E+00}	< -0.84E+00 {0.40E+01}
06/17/87	0.33E+03 {0.14E+03}	nra	nra	nra	< 0.14E+00 {0.21E+00}	< -0.71E+00 {0.28E+01}
07/01/87	nra	nra	nra	nra	< -0.55E-02 {0.21E+00}	< 0.18E+01 {0.39E+01}
07/16/87	< 0.14E+03 {0.13E+03}	nra	nra	nra	< -0.14E+00 {0.20E+00}	< 0.10E+00 {0.28E+01}
07/29/87	nra	nra	nra	nra	0.23E+00 {0.22E+00}	< -0.15E+01 {0.33E+01}
08/12/87	0.26E+03 {0.14E+03}	nra	nra	0.15E-01 {0.11E-02}	< 0.56E-01 {0.21E+00}	0.36E+01 {0.25E+01}
08/26/87	nra	nra	0.96E+00 {0.39E+00}	nra	< 0.13E-01 {0.26E+00}	< -0.19E+01 {0.45E+01}
09/09/87	< -0.51E+02 {0.13E+03}	nra	nra	nra	< -0.71E-01 {0.23E+00}	0.59E+01 {0.33E+01}
09/23/87	nra	nra	nra	nra	< 0.38E-01 {0.27E+00}	< -0.98E+00 {0.34E+01}
10/07/87	< -0.72E+02 {0.16E+03}	nra	nra	nra	< -0.14E+00 {0.17E+00}	< 0.20E+01 {0.41E+01}
18/21/87	nra	nra	nra	nra	< 0.90E-01 {0.19E+00}	< -0.58E+00 {0.39E+01}
11/04/87	< 0.14E+03 {0.13E+03}	nra	nra	nra	< -0.10E+00 {0.23E+00}	< 0.29E+01 {0.30E+01}
11/18/87	nra	nra	0.13E+01 {0.42E+00}	nra	< -0.70E-01 {0.19E+00}	< -0.19E+01 {0.33E+01}
12/02/87	0.30E+03 {0.14E+03}	nra	nra	nra	< -0.65E-01 {0.20E+00}	< -0.11E+01 {0.40E+01}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
FOODSTUFFS - MILK SAMPLES - PCI/L

VERSION 1.0-
Page 214

0308 SAGEMOOR COMPOSITE - SAGEMOOR COMPOSITE, SAGEMOOR COMPOSITE, SAGEMOOR COMPOSITE (DAIRY, MILK)

OFF DATE COM	H 3 LIQ	SR 89	SN 90	I 129	I 131 R	CS 137
12/18/87	nra	nra	nra	nra	< - .27E-02 {0.17E+00}	< -.85E+00 {0.26E+01}
12/30/87	< 0.16E+03 {0.13E+03}	nra	nra	nro	< 0.69E-01 {0.32E+00}	< 0.00E+00 {0.30E+01}
MEAN	0.16E+03		0.10E+01	0.14E-01	0.32E-01	0.11E+01
MINIMUM	-.72E+02		0.86E+00	0.14E-01	-.14E+00	-.41E+01
MAXIMUM	0.33E+03		0.13E+01	0.15E-01	0.23E+00	0.86E+01
2STD.ERR	0.77E+02		0.29E+00	0.17E-02	0.60E-01	0.14E+01

0975 RIVERVIEW RIVER IR (DAIRY, MILK)

OFF DATE COM	H 3 LIQ	SN 89	SN 90	I 129	I 131 R	CS 137
01/28/87	0.27E+03 {0.18E+03}	nra	nra	nra	< 0.14E+00 {0.24E+00}	< -.13E+01 {0.46E+01}
02/25/87	< 0.22E+03 {0.18E+03}	nra	nra	0.34E-01 {0.25E-02}	< 0.74E-01 {0.18E+00}	0.82E+01 {0.43E+01}
03/25/87	< 0.95E+02 {0.18E+03}	0.76E+00 {0.53E+00}	0.13E+01 {0.26E+00}	nra	< -.14E+00 {0.21E+00}	0.12E+02 {0.38E+01}
04/22/87	< 0.16E+03 {0.19E+03}	nro	nra	nra	< 0.21E-02 {0.25E+00}	0.67E+01 {0.37E+01}
05/20/87	< -.11E+03 {0.18E+03}	nra	nra	nra	< 0.13E+00 {0.25E+00}	0.58E+01 {0.33E+01}
06/17/87	0.24E+03 {0.13E+03}	0.10E+01 {0.44E+00}	0.54E+00 {0.30E+00}	nra	< 0.69E-01 {0.15E+00}	< 0.16E+01 {0.31E+01}
07/15/87	< 0.17E+03 {0.13E+03}	nra	nra	nro	< -.20E+00 {0.22E+00}	0.37E+01 {0.27E+01}
08/12/87	< 0.66E+02 {0.13E+03}	nra	nro	0.58E-02 {0.43E-03}	< 0.40E-01 {0.20E+00}	< 0.19E+01 {0.29E+01}
09/09/87	< 0.12E+02 {0.13E+03}	0.67E+01 {0.78E+00}	0.68E+00 {0.29E+00}	nro	< -.32E-01 {0.55E+00}	< -.28E+01 {0.30E+01}
10/07/87	< -.16E+03 {0.16E+03}	nro	nra	nra	< 0.79E-01 {0.15E+00}	< -.47E+00 {0.35E+01}
11/04/87	< 0.11E+03 {0.13E+03}	nra	nro	nra	< 0.38E-01 {0.26E+00}	0.59E+01 {0.31E+01}
12/30/87	< 0.87E+02 {0.13E+03}	nra	nra	nra	nra	nro
12/31/87	nra	nra	nro	nra	< -.18E+00 {0.24E+00}	< 0.29E+01 {0.36E+01}
MEAN	0.96E+02	0.28E+01	0.85E+00	0.20E-01	0.19E-02	0.36E+01
MINIMUM	-.16E+03	0.76E+00	0.54E+00	0.58E-02	-.20E+00	-.28E+01
MAXIMUM	0.27E+03	0.67E+01	0.13E+01	0.34E-01	0.14E+00	0.12E+02
2STD.ERR	0.88E+02	0.41E+01	0.56E+00	0.35E-01	0.10E+00	0.26E+01

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

6519 BENTON CITY AREA (DAIRY, MILK)

OFF DATE COM	H 3 LIQ	SR 89	SR 90	1 129	I 131 R	CS 137
01/13/87	< 0.21E+03 {0.18E+03}	nra	nra	nra	< 0.45E-01 {0.22E+00}	< 0.33E+01 {0.41E+01}
02/10/87	< 0.99E+02 {0.17E+03}	nra	nra	0.14E-01 {0.60E-03}	< 0.31E-01 {0.21E+00}	< 0.54E+01 {0.56E+01}
03/10/87	< 0.15E+03 {0.18E+03}	nra	0.17E+01 {0.49E+00}	nra	< -.13E+00 {0.30E+00}	0.50E+01 {0.30E+01}
04/07/87	< 0.57E+02 {0.18E+03}	nra	nra	nra	< -.12E+00 {0.24E+00}	< 0.24E+01 {0.27E+01}
05/05/87	< 0.18E+03 {0.18E+03}	nra	nra	nra	< -.59E-01 {0.23E+00}	0.27E+01 {0.25E+01}
06/02/87	< 0.10E+03 {0.13E+03}	nra	0.94 E+00 {0.40E+00}	nra	< -.11E+00 {0.23E+00}	< 0.10E+01 {0.30E+01}
06/30/87	< 0.15E+03 {0.13E+03}	nra	nra	nra	< 0.15E-01 {0.29E+00}	< 0.16E+01 {0.29E+01}
07/28/87	< 0.63E+02 {0.13E+03}	nra	nra	nra	< -.11E+00 {0.24E+00}	< 0.29E+00 {0.30E+01}
08/25/87	< 0.12E+03 {0.14E+03}	nra	0.12E+01 {0.41E+00}	nra	< -.72E-01 {0.33E+00}	< -.93E+00 {0.32E+01}
09/22/87 1	< -.11E+02 {0.13E+03}	nra	nra	< NR {NR}	< -.19E+00 {0.20E+00}	< -.60E+00 {0.42E+01}
10/20/87	< 0.13E+03 {0.13E+03}	nra	nra	nra	< 0.23E+00 {0.26E+00}	< 0.17E+01 {0.24E+01}
11/17/87	0.26E+03 {0.14E+03}	nra	0.10E+01 {0.43E+00}	nra	< 0.12E+00 {0.22E+00}	0.35E+01 {0.27E+01}
12/15/87	< 0.66E+02 {0.13E+03}	nra	nra	nra	< -.93E-02 {0.18E+00}	< 0.16E+01 {0.26E+01}
MEAN	0.12E+03		0.12E+01	0.14E-01	-.27E-01	0.21E+01
MINIMUM	-.11E+02		0.94E+00	0.14E-01	-.19E+00	-.93E+00
MAXIMUM	0.26E+03		0.17E+01	0.14E-01	0.23E+00	0.54E+01
2STD.ERR	0.58E+02		0.44E+00	0.60E-03	0.94E-01	0.14E+01

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 I-129 SAMPLE LOST WHEN THE CAPSULE CONTAINING
THE SAMPLE BROKE UPON DISCHARGE FROM THE REACTOR.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
FOODSTUFFS - MILK SAMPLES - PCI/L

VERSION 1.0*
Page 216

6355 SUNNYSIDE AREA (DAIRY, MILK)

OFF DATE COM	H 3 LIQ	SR 89	SR 90	1 129	I 131 R	CS 137
01/13/87	nra	nra	nra	nra	< 0.13E+00 {0.21E+00}	< 0.28E+01 {0.48E+01}
01/27/87	< 0.15E+03 {0.17E+03}	nra	nra	nra	< 0.18E+00 {0.25E+00}	< 0.33E+01 {0.43E+01}
02/10/87	nra	nra	nra	0.31E-01 {0.26E-02}	< -.98E-01 {0.17E+00}	0.77E+01 {0.38E+01}
02/24/87	< 0.15E+03 {0.18E+03}	nra	nra	nra	< -.16E-01 {0.18E+00}	0.11E+02 {0.41E+01}
03/18/87	nra	nra	nra	nra	< 0.92E-01 {0.34E+00}	< 0.32E+01 {0.36E+01}
03/24/87	< 0.22E+03 {0.18E+03}	< 0.83E+00 {0.65E+00}	0.14E+01 {0.31E+00}	nra	< -.40E-01 {0.27E+00}	0.68E+01 {0.29E+01}
04/07/87	nra	nra	nra	nra	< -.12E+00 {0.22E+00}	0.34E+01 {0.19E+01}
04/21/87	< 0.11E+03 {0.18E+03}	nra	nra	nra	< 0.73E-01 {0.30E+00}	0.54E+01 {0.38E+01}
06/06/87	nra	nra	nra	nra	< 0.17E+00 {0.24E+00}	0.38E+01 {0.26E+01}
05/19/87	< -.22E+01 {0.18E+03}	nra	nra	nra	< -.41E-01 {0.21E+00}	0.83E+01 {0.29E+01}
06/02/87	nra	nra	nra	nra	< 0.51E-01 {0.22E+00}	0.31E+01 {0.28E+01}
06/16/87	0.31E+03 {0.14E+03}	< 0.50E+00 {0.87E+00}	0.88E+00 {0.58E+00}	nra	< 0.42E-01 {0.23E+00}	0.73E+01 {0.28E+01}
06/30/87	nra	nra	nra	nra	< -.31E+00 {0.30E+00}	< 0.52E+00 {0.29E+01}
07/14/87	< 0.21E+03 {0.14E+03}	nra	nra	nra	< -.66E-01 {0.29E+00}	< 0.28E+01 {0.41E+01}
07/28/87	nra	nra	nra	nra	< 0.54E-01 {0.26E+00}	< -.39E+00 {0.34E+01}
07/29/87	nra	nra	nra	0.33E-02 {0.27E-03}	nra	nra
08/11/87	< 0.20E+03 {0.14E+03}	nra	nra	nra	< -.87E-01 {0.19E+00}	0.38E+01 {0.37E+01}
08/26/87	nra	nra	nra	nra	< -.18E+00 {0.25E+00}	< -.14E+01 {0.31E+01}
09/08/87	< -.32E+02 {0.13E+03}	< 0.89E+00 {0.11E+01}	< 0.46E+00 {0.55E+00}	nra	< -.11E+00 {0.22E+00}	< 0.21E+01 {0.33E+01}
09/22/87	nra	nra	nra	nra	< 0.23E+00 {0.26E+00}	< 0.49E+00 {0.33E+01}
10/06/87	< -.14E+03 {0.16E+03}	nra	nra	nra	< 0.59E-01 {0.20E+00}	< -.27E+01 {0.36E+01}
18/28/87	nra	nra	nra	nra	< 0.61E-01 {0.20E+00}	0.35E+01 {0.24E+01}
11/03/87	< 0.31E+02 {0.13E+03}	nra	nra	nra	< 0.19E+00 {0.25E+00}	< 0.14E+01 {0.23E+01}
11/17/87	nra	nra	nra	nra	< 0.38E-01 {0.23E+00}	0.36E+01 {0.26E+01}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

6366 SUNNYSIDE AREA (DAIRY, MILK)

OFF DATE	CCM	H 3 LIQ	SR 89	SR 90	1 129	I 131 R	CS 137
12/01/87		< 0.74E+02 {0.13E+03}	< 0.64E-01 {0.57E+00}	0.64E+00 {0.35E+01}	nra	< - .57E-03 {0.24E+00}	< 0.63E+00 {0.35E+01}
12/15/87		nra	nra	nra	nra	< - .55E-01 {0.21E+00}	< - .32E+01 {0.30E+01}
12/29/87		< - .15E+02 {0.13E+03}	nra	nra	nra	< - .22E+00 {0.22E+00}	< - .68E+00 {0.32E+01}
MEAN		0.97E+02	0.57E+00	0.85E+00	0.17E-01	0.24E-02	0.29E+01
MINIMUM		- .14E+03	0.64E-01	0.46E+00	0.33E-02	- .31E+00	- .32E+01
MAXIMUM		0.31E+03	0.89E+00	0.14E+01	0.31E-01	0.23E+00	0.11E+02
2STD.ERR		0.81E+02	0.57E+00	0.52E+00	0.34E-01	0.69E-01	0.15E+01

0307 MOSES LAKE AREA (DAIRY, MILK)

OFF DATE	CCM	H 3 LIQ	SR 89	SR 90	1 129	I 131 R	CS 137
01/02/87		0.31E+03 {0.18E+03}	nra	0.18E+01 {0.11E+01}	nra	< 0.69E-01 {0.15E+00}	0.91E+01 {0.44E+01}
01/30/87		0.30E+03 {0.18E+03}	nra	nra	nra	< 0.12E+00 {0.18E+00}	0.78E+01 {0.42E+01}
02/27/87		< 0.12E+03 {0.18E+03}	nra	nra	0.13E-02 {0.25E-03}	< 0.12E+00 {0.15E+00}	< - .30E+01 {0.53E+01}
03/27/87		< 0.23E+03 {0.18E+03}	nra	0.14E+01 {0.39E+00}	nra	< - .81E-01 {0.25E+00}	< 0.26E+01 {0.29E+01}
04/24/87		< 0.21E+03 {0.19E+03}	nra	nra	nra	< - .52E-01 {0.17E+00}	< 0.27E+01 {0.28E+01}
06/22/87		< 0.20E+03 {0.13E+03}	nra	nra	nra	< 0.57E-01 {0.24E+00}	< 0.11E+01 {0.27E+01}
06/19/87		0.29E+03 {0.14E+03}	nra	0.11E+01 {0.40E+00}	nra	< 0.82E-02 {0.15E+00}	< - .13E+01 {0.41E+01}
07/17/87	1	NR {NR}	nra	nra	nra	NR {NR}	NR {NR}
07/31/87	2	0.27E+03 {0.14E+03}	nra	nra	nra	< - .33E-01 {0.18E+00}	< - .16E+00 {0.33E+01}
08/14/87		< 0.14E+03 {0.13E+03}	nra	nra	nra	< 0.11E+00 {0.18E+00}	< - .24E+00 {0.41E+01}
08/28/87		nra	nra	nra	0.23E-03 {0.18E-04}	nra	nra
09/11/87	4	< - .71E+02 {0.13E+03}	nra	< NR {NR}	nra	< - .18E+00 {0.19E+00}	< - .41E+01 {0.41E+01}
10/09/87		< - .77E+02 {0.16E+03}	nra	nra	nra	< 0.25E+00 {0.38E+00}	< - .40E+01 {0.45E+01}
11/06/87	3	NR {NR}	nra	nra	nra	NR {NR}	NR {NR}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 NO SAMPLE. NO MILK AVAILABLE
2 JULY SAMPLE COLLECTED TWO WEEKS LATE.
3 NO SAMPLE. NO MILK AVAILABLE.
4 SR-90 WAS LOST DURING ANALYSES.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
FOODSTUFFS - MILK SAMPLES - PCI/L

VERSION 1.0*
Page 218

0307 MOSES LAKE AREA (DAIRY, MILK)

OFF DATE COM	H 3 LIQ	SR 89	SR 90	1 129	I 131 R	CS 137
12/04/87	< 0.14E+03 {0.13E+03}	nra	0.98E+00 {0.34E+00}	nra	0.37E+00 {0.22E+00}	0.58E+01 {0.38E+01}
12/31/87	< 0.17E+03 {0.13E+03}	nra	nra	nra	< -0.58E-01 {0.32E+00}	< 0.98E+00 {0.38E+01}
MEAN	0.17E+03		0.13E+01	0.75E-03	0.54E-01	0.13E+01
MINIMUM	-0.77E+02		0.98E+00	0.23E-03	-0.18E+00	-0.41E+01
MAXIMUM	0.31E+03		0.18E+01	0.13E-02	0.37E+00	0.91E+01
2STD.ERR	0.82E+02		0.52E+00	0.13E-02	0.10E+00	0.26E+01

- < - Result less than detection limit
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.
 1 NO SAMPLE. NO MILK AVAILABLE
 2 JULY SAMPLE COLLECTED TWO WEEKS LATE.
 3 NO SAMPLE. NO MILK AVAILABLE.
 4 SR-90 WAS LOST DURING ANALYSES.

0308 WAHLUKE EAST AREA (VEGETABLES, LEAFY VEGETABLES)

OFF DATE CQM	SR 90	CS 137
07/24/87	0.58E-02	< 0.67E-02
	{0.31E-02}	{0.77E-02}
07/24/87	< 0.22E-02	0.10E-01
	{0.32E-02}	{0.82E-02}
07/24/87	0.40E-02	0.94E-02
	{0.32E-02}	{0.81E-02}
MEAN	0.40E-02	0.87E-02
MINIMUM	0.22E-02	0.67E-02
MAXIMUM	0.58E-02	0.10E-01
2STD.ERR	0.30E-02	0.51E-02

6419 **SAGEMOOR** AREA (COMPOSITE, LEAFY VEGETABLES)

OFF DATE CQM	SR 90	CS 137
07/24/87	0.30E-02	< 0.26E-02
	{0.25E-02}	{0.74E-02}
07/24/87	0.26E-02	< -.83E-03
	{0.22E-02}	{0.78E-02}
07/24/87	0.29E-02	< 0.10E-02
	{0.24E-02}	{0.99E-02}
MEAN	0.29E-02	0.95E-03
MINIMUM	0.26E-02	-.83E-03
MAXIMUM	0.30E-02	0.26E-02
2STD.ERR	0.14E-02	0.54E-02

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
FOODSTUFFS - LEAFY VEGETABLES - PCI/G

VERSION 1.0*
Page 220

1809 RIVERVIEW AREA (COMPOSITE, LEAFY VEGETABLES)

OFF DATE COM	SR 90	CS 181
07/24/87	< 0.32E-02 {0.39E-02}	< 0.28E-02 {0.46E-02}
07/24/87	0.31E-02 {0.24E-02}	< 0.88E-02 {0.86E-02}
07/24/87	< 0.25E-02 {0.23E-02}	0.84E-02 0.87E-02
MEAN	0.29E-02	0.59E-02
MINIMUM	0.25E-02	0.28E-02
MAXIMUM	0.32E-02	0.84E-02
2STD.ERR	0.18E-02	0.55E-02

1812 BENTON CITY AREA (COMPOSITE, LEAFY VEGETABLES)

OFF DATE COM	SR 90	CS 101
07/29/87	0.15E-01 {0.54E-02}	< 0.91E-03 {0.11E-01}
07/29/87	< 0.42E-02 {0.40E-02}	< -.48E-03 {0.69E-02}
07/29/87	0.40E-01 {0.68E-02}	< 0.25E-02 {0.88E-02}
MEAN	0.20E-01	0.97E-03
MINIMUM	0.42E-02	-.48E-03
MAXIMUM	0.40E-01	0.25E-02
2STD.ERR	0.24E-01	0.56E-02

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
FOODSTUFFS - LEAFY VEGETABLES - PCI/G

VERSION 1.0*
Page 221

6372 SUNNYSIDE (COMPOSITE, LEAFY VEGETABLES)

OFF DATE COM	SR 90	CS 137
07/29/87	< 0.20E-02 {0.20E-02}	< -.97E-03 {0.66E-02}
07/29/87	0.36E-02 {0.22E-02}	0.14E-01 {0.73E-02}
07/29/87	0.15E-01 {0.40E-02}	< -.20E-03 {0.81E-02}
MEAN	0.70E-02	0.41E-02
MINIMUM	0.20E-02	-.97E-03
MAXIMUM	0.15E-01	0.14E-01
2STD.ERR	0.94E-02	0.11E-01

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nr - Not routinely analyzed.

0009 RIVEIRVIEW RIVER IR (VEGETABLES, POTATOES)

OFF DATE COM	SR 90	CS 137
07/24/87	0.64E-02	< 0.58E-02
	{0.27E-02}	{0.64E-02}
07/24/87	0.65E-02	< -.33E-02
	{0.29E-02}	{0.90E-02}
07/24/87	0.85E-02	< -.50E-03
	{0.28E-02}	{0.79E-02}
MEAN	0.71E-02	0.65E-03
MINIMUM	0.64E-02	-.33E-02
MAXIMUM	0.85E-02	0.58E-02
2STD.ERR	0.22E-02	0.77E-02

0011 RIVERVIEW RIVER IR (VEGETABLES, TOMATOES)

OFF DATE COM	SR 90	CS 137
08/06/87	0.18E-02	< 0.62E-03
	{0.15E-02}	{0.44E-02}
08/05/87	< 0.19E-02	< -.28E-02
	{0.18E-02}	{0.62E-02}
08/05/87	0.20E-02	< -.50E-02
	{0.16E-02}	{0.75E-02}
MEAN	0.19E-02	-.24E-02
MINIMUM	0.18E-02	-.50E-02
MAXIMUM	0.20E-02	0.62E-03
2STD.ERR	0.94E-03	0.52E-02

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

0013 RIVERVIEW RIVER IR (VEGETABLES, CARROTS)

OFF DATE COM	SR 90	CS 137
07/24/87	0.13E-01	< -.10E-02
	{0.38E-02}	{0.97E-02}
07/24/87	0.38E-02	0.76E-02
	{0.20E-02}	{0.51E-02}
07/24/87	0.59E-02	< 0.19E-02
	{0.28E-02}	{0.63E-02}
MEAN	0.74E-02	0.28E-02
MINIMUM	0.38E-02	-.10E-02
MAXIMUM	0.13E-01	0.76E-02
2STD.ERR	0.63E-02	0.72E-02

0638 SAGEMOOR AREA (VEGETABLES, POTATOES)

OFF DATE COM	SR 90	CS 137
08/26/87	0.56E-02	< 0.47E-02
	{0.18E-02}	{0.51E-02}
08/26/87	0.50E-02	< 0.33E-02
	{0.16E-02}	{0.80E-02}
08/26/87	0.51E-02	< 0.18E-02
	{0.21E-02}	{0.72E-02}
MEAN	0.52E-02	0.33E-02
MINIMUM	0.50E-02	0.18E-02
MAXIMUM	0.56E-02	0.47E-02
2STD.ERR	0.11E-02	0.44E-02

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

0537 SUNNYSIDE AREA (VEGETABLES, POTATOES)

OFF DATE COM	SR 90	CS 101
07/29/87	0.35E-02	< 0.11E-02
	{0.17E-02}	{0.76E-02}
07/29/87	< 0.19E-02	< -0.76E-02
	{0.23E-02}	{0.67E-02}
07/29/87	0.19E-02	< -0.20E-02
	{0.14E-02}	{0.60E-02}
MEAN	0.24E-02	-0.28E-02
MINIMUM	0.19E-02	-0.76E-02
MAXIMUM	0.35E-02	0.11E-02
2STD.ERR	0.15E-02	0.71E-02

0539 WAHLUKE EAST AREA (VEGETABLES, POTATOES)

OFF DATE COM	SR 90	CS 101
08/26/87	0.32E-02	< 0.89E-03
	{0.20E-02}	{0.79E-02}
08/26/87	0.42E-02	< -0.42E-02
	{0.25E-02}	{0.77E-02}
08/26/87	0.25E-02	0.13E-01
	{0.21E-02}	{0.50E-02}
MEAN	0.33E-02	0.33E-02
MINIMUM	0.25E-02	-0.42E-02
MAXIMUM	0.42E-02	0.13E-01
2STD.ERR	0.17E-02	0.13E-01

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

0566 SAGEMOOR AREA (FRUIT, APPLES)

OFF DATE COM	H 3 LIQ	SR 90	CS 137
08/26/87	0.19E+03	< 0.12E-02	< -.13E-02
	{0.14E+03}	{0.21E-02}	{0.80E-02}
08/26/87	< 0.49E+02	< 0.37E-03	< 0.21E-03
	{0.14E+03}	{0.20E-02}	{0.75E-02}
08/26/87	0.23E+03	< 0.50E-03	0.10E-01
	{0.14E+03}	{0.15E-02}	{0.91E-02}
MEAN	0.15E+03	0.07E-03	0.31E-02
MINIMUM	0.49E+02	0.37E-03	-.13E-02
MAXIMUM	0.23E+03	0.12E-02	0.10E-01
2STD.ERR	0.15E+03	0.12E-02	0.93E-02

0543 SAGEMOOR AREA (FRUIT, CHERRIES)

OFF DATE COM	H 3 LIQ	SR 90	CS 137
06/03/87	< -.71E+02	< 0.11E-02	0.53E-02
	{0.13E+03}	{0.18E-02}	{0.50E-02}
06/03/87	< 0.92E+02	0.26E-02	0.64E-02
	{0.13E+03}	{0.21E-02}	{0.53E-02}
06/03/87	< 0.71E+02	0.22E-02	< 0.33E-02
	{0.13E+03}	{0.16E-02}	{0.49E-02}
MEAN	0.31E+02	0.20E-02	0.50E-02
MINIMUM	-.71E+02	0.11E-02	0.33E-02
MAXIMUM	0.92E+02	0.26E-02	0.64E-02
2STD.ERR	0.13E+03	0.15E-02	0.36E-02

< - Result less than detection limit
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

6417 SAGEMOOR AREA (FRUIT, GRAPES)

OFF DATE COM	H 3 LIQ	SR 90	CS LET
09/25/87	< -.12E+03 {0.13E+03}	< 0.19E-02 {0.31E-02}	< -.10E-02 {0.92E-02}
09/25/87	< 0.30E+02 {0.14E+03}	< 0.15E-02 {0.17E-02}	< 0.66E-02 {0.78E-02}
09/25/87	< 0.74E+02 {0.14E+03}	< 0.15E-02 {0.21E-02}	< -.62E-02 {0.78E-02}
MEAN	-.62E+01	0.17E-02	-.18E-03
MINIMUM	-.12E+03	0.15E-02	-.62E-02
MAXIMUM	0.74E+02	0.19E-02	0.66E-02
2STD.ERR	0.16E+03	0.14E-02	0.10E-01

0304 COLD CREEK AREA (FRUIT, APPLES)

OFF DATE COM	H 3 LIQ	SR 90	CS LET
09/21/87	< -.46E+02 {0.13E+03}	< 0.66E-03 {0.18E-02}	< -.57E-02 {0.74E-02}
09/21/87	< -.28E+02 {0.13E+03}	< 0.55E-03 {0.19E-02}	< -.85E-02 {0.92E-02}
09/21/87	< 0.22E+01 {0.13E+03}	< 0.18E-02 {0.25E-02}	< -.16E-01 {0.12E-01}
MEAN	-.24E+02	0.95E-03	-.61E-02
MINIMUM	-.46E+02	0.55E-03	-.16E-01
MAXIMUM	0.22E+01	0.18E-02	0.57E-02
2STD.ERR	0.84E+02	0.14E-02	0.16E-01

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

0303 COLD CREEK AREA (FRUIT, GRAPES)

OFF DATE COM	H 3 LIQ	SR 90	CS 137
09/16/87	0.31E+03 {0.14E+03}	< 0.20E-02 {0.30E-02}	< -.31E-03 {0.58E-02}
09/16/87	< 0.11E+03 {0.14E+03}	< 0.25E-02 {0.31E-02}	< 0.92E-03 {0.59E-02}
09/16/87	0.20E+03 {0.14E+03}	0.67E-02 {0.31E-02}	0.72E-02 {0.63E-02}
MEAN	0.21E+03	0.37E-02	0.26E-02
MINIMUM	0.11E+03	0.20E-02	-.31E-03
MAXIMUM	0.31E+03	0.67E-02	0.72E-02
2STD.ERR	0.16E+03	0.37E-02	0.62E-02

6440 SUNNYSIDE AREA (FRUIT, APPLES)

OFF DATE COM	H 3 LIQ	SR 90	CS 137
09/26/87	0.21E+03 {0.14E+03}	< 0.38E-03 {0.19E-02}	0.10E-01 {0.67E-02}
09/25/87	0.24E+03 {0.14E+03}	< -.15E-03 {0.15E-02}	< 0.44E-02 {0.82E-02}
09/25/87	< 0.85E+02 {0.14E+03}	< -.57E-04 {0.19E-02}	< 0.62E-02 {0.14E-01}
MEAN	0.18E+03	0.57E-04	0.69E-02
MINIMUM	0.85E+02	-.15E-03	0.44E-02
MAXIMUM	0.24E+03	0.38E-03	0.10E-01
2STD.ERR	0.13E+03	0.11E-02	0.70E-02

< - Result less than detection limit
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
FOODSTUFFS - FRUIT - PCI/G (except H3 LIQ which is PCI/L of water)

VERSION 1.0=
Page 228

8453 SUNNYSIDE AREA (FRUIT, CHERRIES)

OFF DATE COM	H 3 LIQ	SR 90	SS 101
06/16/87	< 0.14E+02 {0.13E+03}	< 0.30E-02 {0.32E-02}	< -0.33E-02 {0.11E-01}
06/16/87	< 0.11E+03 {0.13E+03}	< 0.24E-02 {0.30E-02}	< -0.63E-03 {0.43E-02}
06/16/87	< -0.73E+02 {0.13E+03}	< 0.24E-02 {0.30E-02}	< -0.36E-02 {0.73E-02}
MEAN	0.18E+02	0.26E-02	-0.25E-02
MINIMUM	-0.73E+02	0.24E-02	-0.36E-02
MAXIMUM	0.11E+03	0.30E-02	-0.63E-03
2STD.ERR	0.15E+03	0.18E-02	0.51E-02

8454 SUNNYSIDE AREA (FRUIT, GRAPES)

OFF DATE COM	H 3 LIQ	SR 90	SS 101
09/21/87	< -0.13E+03 {0.13E+03}	0.45E-02 {0.26E-02}	< -0.92E-02 {0.67E-02}
09/21/87	< 0.27E+02 {0.14E+03}	< 0.24E-02 {0.25E-02}	< 0.23E-02 {0.59E-02}
09/21/87	< -0.18E+02 {0.13E+03}	< 0.24E-02 {0.23E-02}	0.90E-02 {0.79E-02}
MEAN	-0.42E+02	0.31E-02	0.71E-03
MINIMUM	-0.13E+03	0.24E-02	-0.92E-02
MAXIMUM	0.27E+02	0.45E-02	0.90E-02
2STD.ERR	0.13E+03	0.21E-02	0.13E-01

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

0541 RIVERVIEW RIVER IR (FRUIT, APPLES)

OFF DATE COM	H 3 LIQ	SR 90	CS 137
08/20/87	< -.12E+02 {0.13E+03}	< 0.16E-02 {0.23E-02}	< 0.32E-02 {0.91E-02}
08/20/87	< 0.26E+02 {0.14E+03}	0.32E-02 {0.24E-02}	< 0.53E-02 {0.75E-02}
08/20/87	< 0.75E+02 {0.14E+03}	0.26E-02 {0.22E-02}	< -.51E-02 {0.10E-01}
MEAN	0.30E+02	0.25E-02	0.12E-02
MINIMUM	-.12E+02	0.16E-02	-.51E-02
MAXIMUM	0.75E+02	0.32E-02	0.53E-02
2STD.ERR	0.98E+02	0.17E-02	0.88E-02

0542 RIVERVIEW RIVER IR (FRUIT, GRAPES)

OFF DATE COM	H 3 LIQ	SR 90	CS 137
09/23/87	< 0.34E+02 {0.14E+03}	0.68E-02 {0.22E-02}	< 0.35E-02 {0.57E-02}
09/25/87	< -.64E+02 {0.13E+03}	0.38E-02 {0.29E-02}	< -.66E-03 {0.84E-02}
09/25/87	< -.14E+02 {0.13E+03}	0.41E-02 {0.17E-02}	< 0.93E-02 {0.10E-01}
MEAN	-.14E+02	0.49E-02	0.40E-02
MINIMUM	-.64E+02	0.38E-02	-.66E-03
MAXIMUM	0.34E+02	0.68E-02	0.93E-02
2STD.ERR	0.10E+03	0.24 E-02	0.83E-02

< - Result **less** than detection limit
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
FOODSTUFFS - FRUIT - PCI/G (except H3 LIQ which is PCI/L of water)

VERSION 1.0*
Page 230

0012 RIVERVIEW RIVER IR (FRUIT, MELONS)

OFF DATE COM	H 3 LIQ	SR 90	CS 101
08/05/87	< 0.75E+01 {0.13E+03}	0.31E-02 {0.18E-02}	< 0.18E-02 {0.65E-02}
08/05/87	< 0.15E+02 {0.13E+03}	< 0.14E-02 {0.12E-02}	< - .24E-03 {0.75E-02}
08/05/87	< - .93E+02 {0.12E+03}	< 0.13E-02 {0.16E-02}	< 0.33E-02 {0.67E-02}
MEAN	-.23E+02	0.20E-02	0.16E-02
MINIMUM	-.93E+02	0.13E-02	-.24E-03
MAXIMUM	0.15E+02	0.31E-02	0.33E-02
2STD.ERR	0.10E+03	0.15E-02	0.47E-02

0540 WAHLUKE EAST AREA (FRUIT, APPLES)

OFF DATE COM	H 3 LIQ	SR 90	CS 101
08/26/87	< 0.31E+02 {0.14E+03}	< 0.20E-02 {0.22E-02}	< -.32E-02 {0.13E-01}
08/26/87	< 0.97E+01 {0.14E+03}	0.34E-02 {0.24E-02}	< -.15E-02 {0.94E-02}
08/26/87	< - .30E+02 {0.13E+03}	< 0.18E-02 {0.21E-02}	0.80E-02 {0.62E-02}
MEAN	0.36E+01	0.24E-02	0.11E-02
MINIMUM	-.30E+02	0.18E-02	-.32E-02
MAXIMUM	0.31E+02	0.34E-02	0.80E-02
2STD.ERR	0.88E+02	0.17E-02	0.95E-02

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

0644 SAGEMOOR AREA (MISC. FOODS, WINE)

OFF DATE	COM	H 3 LIQ	CS 137
08/20/87		nra	< 0.54E+00 {0.86E+01}
08/20/87		nra	< -.43E+01 {0.11E+02}
08/20/87		nra	< 0.86E+00 {0.11E+02}
11/04/87		< 0.27E+03 {0.14E+03}	0.44E+01 {0.35E+01}
11/04/87		< 0.14E+03 {0.14E+03}	< -.10E+01 {0.28E+01}
11/04/87		< 0.90E+02 {0.13E+03}	< -.28E+01 {0.35E+01}
MEAN		0.17E+03	-.37E+00
MINIMUM		0.90E+02	-.43E+01
MAXIMUM		0.27E+03	0.44E+01
2STD.ERR		0.16E+03	0.42E+01

0545 SUNNYSIDE AREA (MISC. FOODS, WINE)

OFF DATE	COM	H 3 LIQ	CS 137
07/29/87	1	nra	< 0.15E+01 {0.13E+02}
07/29/87	2	nra	< 0.13E+01 {0.98E+01}
07/29/87	3	nra	< -.91E+01 {0.15E+02}
11/03/87		< 0.28E+03 {0.14E+03}	< 0.38E+00 {0.24E+01}
11/03/87		< 0.59E+02 {0.13E+03}	< -.19E+01 {0.31E+01}
11/03/87		< 0.26E+03 {0.14E+03}	< -.34E+01 {0.37E+01}
MEAN		0.20E+03	-.19E+01
MINIMUM		0.59E+02	-.91E+01
MAXIMUM		0.28E+03	0.15E+01
2STD.ERR		0.17E+03	0.51E+01

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 TYPE - GEWURZTRAMINER
2 CHENIN BLANC
3 CHENIN BLANC

0320 WAHLUKE EAST AREA (MISC. FOODS, WHEAT)

OFF DATE COM	SR 90	CS 137	PU23940
07/22/87	0.23E-01 {0.42E-02}	< -.10E-02 {0.54E-02}	nra
07/22/87	0.20E-01 {0.41E-02}	< 0.24E-02 {0.60E-02}	nra
07/22/87	0.23E-01 {0.38E-02}	< 0.24E-02 {0.69E-02}	nra
MEAN	0.22E-01	0.13E-02	
MINIMUM	0.20E-01	-.10E-02	
MAXIMUM	0.23E-01	0.24E-02	
2STD.ERR	0.32E-02	0.42E-02	

0311 WAHLUKE EAST AREA (FARM, ALFALFA)

OFF DATE COM	SR 90	CS 137	PU23940
06/24/87	0.24E-01 {0.48E-02}	< -.14E-02 {0.13E-01}	nra
06/24/87	0.22E-01 {0.49E-02}	< 0.95E-02 {0.16E-01}	nra
06/24/87	0.22E-01 {0.73E-02}	< -.38E-03 {0.13E-01}	nra
MEAN	0.23E-01	0.25E-02	
MINIMUM	0.22E-01	-.14E-02	
MAXIMUM	0.24E-01	0.95E-02	
2STD.ERR	0.39E-02	0.11E-01	

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

0319 SAGEMOOR AREA (MISC. FOODS, WHEAT)

OFF DATE COM	SR 90	CS 137	PU23940
07/22/87	0.71E-02	< 0.39E-03	< -.10E-04
	{0.33E-02}	{0.58E-02}	{0.00E+00}
07/22/87	0.93E-02	< 0.28E-02	< -.10E-04
	{0.46E-02}	{0.64E-02}	{0.00E+00}
07/22/87	0.10E-01	< -.25E-02	< 0.27E-04
	{0.45E-02}	{0.64E-02}	{0.75E-04}
MEAN	0.88E-02	0.15E-03	0.22E-05
MINIMUM	0.71E-02	-.25E-02	-.10E-04
MAXIMUM	0.10E-01	0.28E-02	0.27E-04
2STD.ERR	0.32E-02	0.50E-02	0.36E-04

0312 SAGEMOOR AREA (FARM, ALFALFA)

OFF DATE COM	SR 90	CS 137	PU23940
07/01/87	0.11E+00	0.25E-01	nra
	{0.96E-02}	{0.19E-01}	
07/01/87	0.12E+00	0.37E-01	nra
	{0.11E-01}	{0.23E-01}	
07/01/87	0.11E+00	< -.20E-01	nra
	{0.93E-02}	{0.20E-01}	
MEAN	0.11E+00	0.14E-01	
MINIMUM	0.11E+00	-.20E-01	
MAXIMUM	0.12E+00	0.37E-01	
2STD.ERR	0.95E-02	0.41E-01	

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
FOODSTUFFS - WHEAT - PCI/G

VERSION 1.0
Page 234

0318 RIVERVIEW AREA (MISC. FOODS, WHEAT)

OFF DATE COM	SR 90	CS 137	PU23940
07/24/87	0.41E-02 {0.28E-02}	< 0.39E-02 {0.57E-02}	nra
07/24/87	0.14E-01 {0.40E-02}	< 0.38E-02 {0.69E-02}	nra
07/24/87	0.14E-01 {0.27E-02}	< 0.25E-02 {0.64E-02}	nra
MEAN	0.10E-01	0.33E-02	
MINIMUM	0.41E-02	0.25E-02	
MAXIMUM	0.14E-01	0.39E-02	
2STD.ERR	0.69E-02	0.38E-02	

0313 RIVERVIEW AREA (FARM, ALFALFA)

OFF DATE COM	SR 90	CS 137	PU23940
07/01/87	0.38E-01 {0.50E-02}	0.36E-01 {0.12E-01}	nra
07/01/87	0.34E-01 {0.48E-02}	< 0.75E-02 {0.15E-01}	nra
07/01/87	0.34E-01 {0.43E-02}	< 0.10E-02 {0.18E-01}	nra
MEAN	0.34E-01	0.15E-01	
MINIMUM	0.34E-01	0.10E-02	
MAXIMUM	0.38E-01	0.36E-01	
2STD.ERR	0.31E-02	0.25E-01	

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

0314 BENTON CITY AREA (FARM, ALFALFA)

OFF DATE	COM	SR 90	CS 137	PU23940
07/21/87		0.38E-01 {0.49E-02}	< 0.12E-02 {0.20E-01}	nra
07/21/87		0.58E-01 {0.78E-02}	< 0.51E-02 {0.14E-01}	nra
07/21/87		0.38E-01 {0.65E-02}	< -.18E-01 {0.15E-01}	nra
MEAN		0.43E-01	-.39E-02	
MINIMUM		0.38E-01	-.18E-01	
MAXIMUM		0.58E-01	0.51E-02	
2STD.ERR		0.18E-01	0.19E-01	

0315 SUNNYSIDE AREA (FARM, ALFALFA)

OFF DATE	COM	SR 90	CS 137	PU23940
07/21/87		0.69E-01 {0.12E-01}	< -.14E-01 {0.17E-01}	nra
07/21/87		0.80E-01 {0.86E-02}	< 0.13E-01 {0.16E-01}	nra
07/21/87		0.64E-01 {0.10E-01}	< 0.27E-03 {0.19E-01}	nra
MEAN		0.71E-01	-.28E-03	
MINIMUM		0.64E-01	-.14E-01	
MAXIMUM		0.80E-01	0.13E-01	
2STD.ERR		0.12E-01	0.21E-01	

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
FOODSTUFFS - WHEAT - PCI/G

VERSION 1.0
Page 236

0321 MOSES LAKE AREA (MISC. FOODS, WHEAT)

OFF DATE COM	SR 90	CS 137	PU23940
07/17/87	0.84E-02	< -.79E-03	nra
	{0.36E-02}	{0.64E-02}	
07/17/87	0.65E-02	0.82E-02	nrm
	{0.37E-02}	{0.62E-02}	
07/17/87	0.72E-02	< 0.29E-02	nra
	{0.27E-02}	{0.80E-02}	
MEAN	0.74E-02	0.34E-02	
MINIMUM	0.65E-02	-.79E-03	
MAXIMUM	0.84E-02	0.82E-02	
2STD.ERR	0.24E-02	0.73E-02	

0310 MOSES LAKE AREA (FARM, ALFALFA)

OFF DATE COM	SR 90	CS 137	PU23940
07/02/87	0.16E+00	< 0.17E-01	nrm
	{0.83E-02}	{0.19E-01}	
07/02/87	0.16E+00	< -.15E-02	nra
	{0.97E-02}	{0.12E-01}	
07/02/87	0.17E+00	< -.40E-03	nra
	{0.82E-02}	{0.16E-01}	
MEAN	0.16E+00	0.51E-02	
MINIMUM	0.16E+00	-.15E-02	
MAXIMUM	0.17E+00	0.17E-01	
2STD.ERR	0.96E-02	0.16E-01	

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

6418 **SAGEMOOR** AREA (MEAT, BEEF)

OFF DATE COM	SR 90	CS 137
11/13/87	< 0.68E-03 {0.21E-02}	< 0.47E-02 {0.47E-02}

0322 **SUNNYSIDE** AREA (MEAT, BEEF)

OFF DATE COM	SR 90	CS 137
09/21/87	0.54E-02 {0.32E-02}	0.14E-01 {0.63E-02}

< - Result less than detection limit
 { } - Uncertainty for result.
 NR - No result reported.
 nra - **Not routinely** analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
FOODSTUFFS - EGGS AND POULTRY - PCI/G

VERSION 1.0*
Page 238

6386 SAGEMOOR AREA (POULTRY, CHICKEN)

OFF DATE	COM	SN 90	CS 137
04/01/87		< 0.26E-02 {0.31E-02}	< -.25E-02 {0.71E-02}
10/07/87		< -.71E-04 {0.16E-02}	< 0.28E-02 {0.17E-01}
MEAN		0.13E-02	0.13E-03
MINIMUM		-.71E-04	-.25E-02
MAXIMUM		0.26E-02	0.28E-02
2STD.ERR		0.38E-02	0.11E-01

6387 SAGEMOOR AREA (POULTRY, EGGS)

OFF DATE	COM	SR 90	CS 137
05/27/87		0.33E-02 {0.25E-02}	< -.31E-03 {0.70E-02}
11/25/87		< 0.72E-03 {0.22E-02}	< 0.33E-03 {0.62E-02}
MEAN		0.20E-02	0.80E-05
MINIMUM		0.72E-03	-.31E-03
MAXIMUM		0.33E-02	0.33E-03
2STD.ERR		0.38E-02	0.47E-02

6371 SUNNYSIDE AREA (POULTRY, CHICKEN)

OFF DATE	COM	SR 90	CS 137
04/21/87		0.88E-02 {0.37E-02}	0.38E-01 {0.17E-01}
10/20/87		0.38E-02 {0.27E-02}	< -.25E-01 {0.35E-01}
MEAN		0.63E-02	0.56E-02
MINIMUM		0.38E-02	-.25E-01
MAXIMUM		0.88E-02	0.36E-01
2STD.ERR		0.66E-02	0.80E-01

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

6370 SUNNYSIDE AREA (POULTRY, EGGS)

OFF DATE COM	SR 90	CS 137
06/05/87	0.30E-02	< 0.32E-02
	{0.20E-02}	{0.70E-02}
11/05/87	< 0.14E-03	< 0.32E-03
	{0.26E-02}	{0.67E-02}
MEAN	0.16E-02	0.17E-02
MINIMUM	0.14E-03	0.32E-03
MAXIMUM	0.30E-02	0.32E-02
2STD.ERR	0.39E-02	0.60E-02

< - Result less than detection limit
 { } - Uncertainty for result.
 NR - No result reported.
 nra - Not routinely analyzed.

0329 BELOW PRIEST RAPID (MUSCLE, WHITEFISH)

OFF DATE COM	CO 80	SR 90	CS 137
10/01/87	< -.41E-01 {0.30E-01}	< -.30E-03 {0.23E-02}	0.31E-01 {0.20E-01}
10/01/87	< 0.22E-01 {0.22E-01}	< 0.50E-03 {0.26E-02}	< -.22E-02 {0.29E-01}
10/02/87	0.23E-01 {0.22E-01}	< -.62E-03 {0.15E-02}	< -.31E-02 {0.34E-01}
10/30/87	< 0.69E-02 {0.25E-01}	< 0.40E-03 {0.18E-02}	< 0.19E-01 {0.26E-01}
10/30/87	< 0.19E-01 {0.39E-01}	< 0.15E-02 {0.21E-02}	< 0.33E-01 {0.35E-01}
MEAN	0.59E-02	0.29E-03	0.16E-01
MINIMUM	-.41E-01	-.62E-03	-.31E-02
MAXIMUM	0.23E-01	0.15E-02	0.33E-01
2STD.ERR	0.28E-01	0.12E-02	0.19E-01

6493 BELOW PRIEST RAPID (CARCASS, WHITEFISH)

OFF DATE COM	CO 60	SR 90	CS 137
18/01/87	nra	0.19E-01 {0.40E-02}	nra
10/01/87	nra	0.17E-01 {0.36E-02}	nra
18/02/87	nra	0.21E-01 {0.48E-02}	nra
18/38/87	nra	0.18E-01 {0.44E-02}	nra
18/38/87	nra	0.17E-01 {0.28E-02}	nra
MEAN		0.18E-01	
MINIMUM		0.17E-01	
MAXIMUM		0.21E-01	
2STD.ERR		0.25E-02	

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
WILDLIFE - FISH - PCI/G

VERSION 1.0*
Page 241

6431 100 D AREA-RIVER (MUSCLE, WHITEFISH)

OFF DATE COM	CO 60	SR 90	CS 137
09/28/87	< -.61E-02 {0.38E-01}	< 0.19E-02 {0.23E-02}	0.29E-01 {0.25E-01}
09/28/87	< -.15E-01 {0.39E-01}	< 0.16E-02 {0.27E-02}	0.55E-01 {0.42E-01}
09/28/87	0.49E-01 {0.24E-01}	< -.61E-03 {0.26E-02}	< -.85E-02 {0.37E-01}
09/28/87	< 0.33E-01 {0.33E-01}	< 0.13E-02 {0.27E-02}	< -.17E-01 {0.38E-01}
09/28/87	< -.25E-01 {0.37E-01}	0.22E-02 {0.20E-02}	0.56E-01 {0.31E-01}
09/28/87	< 0.13E-01 {0.26E-01}	< 0.13E-02 {0.19E-02}	< 0.18E-01 {0.26E-01}
09/28/87	0.53E-01 {0.35E-01}	< 0.41E-03 {0.20E-02}	< 0.20E-01 {0.37E-01}
09/28/87	< -.11E-01 {0.49E-01}	< 0.94E-03 {0.16E-02}	< 0.31E-01 {0.42E-01}
09/28/87	< 0.17E-01 {0.50E-01}	< 0.10E-02 {0.22E-02}	< -.17E-01 {0.47E-01}
09/28/87	< 0.46E-02 {0.26E-01}	0.44E-02 {0.25E-02}	0.53E-01 {0.26E-01}
MEAN	0.11E-01	0.14E-02	0.22E-01
MINIMUM	-.25E-01	-.61E-03	-.17E-01
MAXIMUM	0.53E-01	0.44E-02	0.56E-01
2STD.ERR	0.21E-01	0.11E-02	0.21E-01

6490 100 D AREA-RIVER (CARCASS, WHITEFISH)

OFF DATE COM	CO 60	SR 90	CS 137
09/28/87	nra	0.27E-01 {0.57E-02}	nra
09/28/87	nra	0.22E-01 {0.53E-02}	nra
09/28/87	nra	0.21E-01 {0.45E-02}	nra
09/28/87	nra	0.20E-01 {0.53E-02}	nra
09/28/87	nra	0.35E-01 {0.55E-02}	nra
09/28/87	nra	0.19E-01 {0.49E-02}	nra
09/28/87	nra	0.15E-01 {0.47E-02}	nra
09/28/87	nra	0.34E-01 {0.88E-02}	nra
09/28/87	nra	0.16E-01 {0.49E-02}	nra

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 LO 123187
WILDLIFE - FISH - PCI/G

VERSION 1.0+
Page ZdZ

6490 100 D AREA-RIVER (CARCASS, WHITEFISH)

OFF DATE	COM	CO 60	SR 90	ES 137
05/28/87		nr	0.27E-01 {0.72E-02}	nr
MEAN			0.24E-01	
MINIMUM			0.15E-01	
MAXIMUM			0.35E-01	
2STD.ERR			0.48E-02	

6389 100 F FLOOD PLAIN (MUSCLE, BASS)

OFF DATE	COM	CO 60	SR 90	ES 137
05/06/87		< -.13E-01 {0.32E-01}	< 0.24E-02 {0.42E-02}	0.55E-01 {0.36E-01}
05/11/87		< 0.13E-01 {0.15E-01}	0.43E-02 {0.33E-02}	0.59E-01 {0.24E-01}
05/11/87		< -.12E-01 {0.31E-01}	< 0.19E-02 {0.31E-02}	0.36E-01 {0.28E-01}
05/21/87		< 0.17E-01 {0.17E-01}	0.58E-02 {0.31E-02}	0.66E-01 {0.26E-01}
05/21/87		< 0.33E-02 {0.18E-01}	< 0.29E-02 {0.40E-02}	0.26E-01 {0.21E-01}
MEAN		0.17E-02	0.34E-02	0.48E-01
MINIMUM		-.13E-01	0.19E-02	0.26E-01
MAXIMUM		0.17E-01	0.58E-02	0.66E-01
2STD.ERR		0.16E-01	0.21E-02	0.20E-01

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nr - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
WILDLIFE - FISH - **PCI/G**

VERSION **1.0***
Page 243

0338 100 F FLOOD PLAIN (CARCASS, BASS)

OFF DATE	COM	CO 60	SR 90	CS 137
06/08/87		nra	0.66E-01 {0.31E-01}	nra
05/11/87		nra	0.60E-01 {0.99E-02}	nra
05/11/87		nra	0.50E-01 {0.77E-02}	nra
05/21/87		nra	0.27E-01 {0.61E-02}	nra
05/21/87		nra	0.41E-01 {0.71E-02}	nra
MEAN			0.49E-01	
MINIMUM			0.01E-01	
MAXIMUM			0.66E-01	
2STD.ERR			0.16E-01	

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

0444 B POND (MUSCLE, DUCKS)

OFF DATE	COM	CS 137
09/17/87	1	0.37E+00 {0.53E-01}
09/17/87	2	0.22E+01 {0.12E+00}
09/29/87	3	0.20E+01 {0.13E+00}
09/38/87	4	0.47E+00 {0.08E-01}
10/02/87	5	0.87E+00 {0.99E-01}
18/28/87	6	0.37E-01 {0.23E-01}
10/28/87	7	0.10E+00 {0.30E-01}
11/11/87	8	0.19E+00 {0.51E-01}
11/11/87	9	0.82E+00 {0.72E-01}
MEAN		0.78E+00
MINIMUM		0.37E-01
MAXIMUM		0.22E+01
2STD.ERR		0.48E+00

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 MALLARD
2 MALLARD
3 MALLARD.
4 MALLARD
5 TEAL
6 DUCK, MAGANSER
7 DUCK, MAGANSER
8 TEAL
9 TEAL

6186 WEST LAKE (MUSCLE, DUCKS)

OFF DATE	COM	CS 137
09/30/87	1	< 0.32E-01 {0.58E-01}
11/11/87	2	< 0.15E-01 {0.27E-01}
MEAN		0.24E-01
MINIMUM		0.15E-01
MAXIMUM		0.32E-01
2STD.ERR		0.38E-01

< - Result **less** than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 TEAL
2 MALLARD

0453 300 LEACH TRENCH (MUSCLE, .DUCKS~

OFF DATE	COM	CS 137
09/23/87	1	0.24E+00 {0.34E-01}
09/24/87	2	0.47E+00 {0.52E-01}
09/24/87		0.93E+00 {0.91E-01}
09/28/87	3	< 0.13E-01 {0.24E-01}
MEAN		0.41E+00
MINIMUM		0.13E-01
MAXIMUM		0.93E+00
2STD.ERR		0.45E+00

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 MALLARD
2 MALLARD
3 MALLARD

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
WILDLIFE - PHEASANT - PCI/G

VERSION 1.0*
Page 247

0473 100 D TO 100 F (MUSCLE, GAME BIRDS)

OFF DATE	COM	CO 00	CS 137
10/01/87		< 0.30E-02	0.24E-01
		{0.28E-01}	{0.23E-01}
10/01/87		< 0.13E-02	< -.88E-02
		{0.41E-01}	{0.38E-01}
10/01/87		< 0.13E-01	< 0.46E-02
		{0.15E-01}	{0.24E-01}
10/16/87	1	< -.42E-02	< -.27E-01
		{0.41E-01}	{0.41E-01}
10/22/87	2	< -.54E-02	0.33E-01
		{0.35E-01}	{0.30E-01}
10/23/87	3	0.28E-01	0.27E-01
		{0.16E-01}	{0.16E-01}
10/23/87	4	< 0.17E-01	< -.24E-01
		{0.27E-01}	{0.39E-01}
10/30/87	5	< -.73E-02	< -.16E-02
		{0.34E-01}	{0.25E-01}
11/30/87	6	< 0.63E-02	< 0.34E-02
		{0.20E-01}	{0.23E-01}
MEAN		0.58E-02	0.33E-02
MINIMUM		-.73E-02	-.27E-01
MAXIMUM		0.28E-01	0.33E-01
2STD.ERR		0.13E-01	0.17E-01

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

1 PHEASANT
2 PHEASANT
3 PHEASANT
4 PHEASANT
5 PHEASANT
6 PHEASANT

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
WILDLIFE - PHEASANT - PCI/G

VERSION 1.0-
Page 248

0484 300 AREA (MUSCLE, GAME BIRDS)

OFF DATE	COM	EO 60	CS IET
10/15/87	1	< -.19E-02 {0.24E-01}	< 0.24E-02 {0.27E-01}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.
1 PHEASANT

0369 200 PONDS (MUSCLE, DEER)

OFF DATE	COM	CS 137	PU23940
12/02/87		< 0.73E-02 {0.76E-02}	nra

0370 200 PONDS (LIVER, DEER)

OFF DATE	COM	CS 137	PU23940
12/02/87		nra	< 0.15E-04 {0.43E-04}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

P-

6145 100 N RIVER BANK (MUSCLE, RABBIT)

OFF DATE COM	SR 90	CS 137	PU23940
04/02/87	nra	0.44E-01 {0.29E-01}	nra
04/24/87	nra	< 0.20E-01 {0.32E-01}	nra
05/01/87	nra	< 0.59E-02 {0.44E-01}	nra
MEAN		0.23E-01	
MINIMUM		0.59E-02	
MAXIMUM		0.44E-01	
2STD.ERR		0.33E-01	

6148 100 N RIVER BANK (LIVER, RABBIT)

OFF DATE COM	SR 98	CS 137	PU23940
04/02/87	nra	nra	< 0.00E+00 {0.00E+00}
04/24/87	nra	nra	< 0.00E+00 {0.00E+00}
05/01/87	nra	nra	0.10E-02 {0.62E-03}
MEAN			0.35E-03
MINIMUM			0.00E+00
MAXIMUM			0.10E-02
2STD.ERR			0.75E-03

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 810187 TO 123187
WILDLIFE - RABBITS - **PCI/G**

VERSION **1.0***
Page 251

6452 100 N RIVER BANK (BONE, RABBIT)

OFF DATE	COM	SR 90	CS 137	PU23940
04/02/87		0.32E+03 {0.43E+01}	nra	nra
04/24/87		0.34 E+01 {0.25E+00}	nra	nra
05/01/87		0.46E+03 {0.82E+01}	nra	nra
MEAN		0.26E+03		
MINIMUM		0.34E+01		
MAXIMUM		0.46E+03		
2STD.ERR		0.31E+03		

1769 200 E AREA (MUSCLE, RABBIT)

OFF DATE	COM	SR 90	CS 137	PU23940
04/03/87		nra	0.61E-01 {0.29E-01}	nra

1770 280 E AREA (LIVER, RABBIT)

OFF DATE	COM	SR 90	CS 137	PU23940
04/03/87		nra	nra	< 0.00E+00 {0.00E+00}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
WILDLIFE - RABBITS - PCI/G

VERSION 1.0-
Page 252

6432 200 E AREA (BONE, RABBIT)

OFF DATE COM	SN 90	CS IET	PU23940
04/03/87	0.28E+01 {0.14E+00}	nra	nra

1789 200 W AREA (MUSCLE, RABBIT)

OFF DATE COM	SN 90	CS IET	PU23940
05/04/87	nra	< 0.63E-03 {0.22E-01}	nra

1790 200 W AREA (LIVER, RABBIT)

OFF DATE COM	SN 90	CS IET	PU23940
05/04/87	nra	nra	0.73E-02 (0.99E-03)

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
WILDLIFE - RABBITS - PCI/G

VERSION I.@+
Page 263

6413 200 W AREA (BONE, RABBIT)

OFF DATE	COM	SR 90	CS 137	PU23940
06/04/87		0.40E+02 {0.12E+01}	nra	nra

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
SOIL - PCI/G

VERSION 1.0*
Page 254

0578 I MI. E OF N AREA (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE COM	SN 90	CS IET	PU23940	U-NAT
04/29/87	0.31E+00 {0.14E-01}	0.11E+01 (0.61E-01)	0.23E-01 {0.19E-02}	0.34E+00 {0.00E+00}

0680 100 AREA FIRE STAT (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE COM	SN 90	CS IET	PU23940	U-NAT
04/29/87	0.33E+00 {0.12E-01}	0.13E+01 (0.68E-01)	0.16E-01 {0.14E-02}	0.35E+00 {0.00E+00}

6362 200 ENE (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE COM	SN 90	CS IET	PU23940	U-NAT
05/07/87	0.11E+01 {0.41E-01}	0.16E+02 {0.19E+00}	0.31E-01 {0.21E-02}	0.23E+00 {0.00E+00}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
SOIL - **PCI/G**

VERSION **1.0***
Page 255

0581 1.25 MI. E OF PURE (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
05/07/87	0.34E+00 {0.20E-01}	0.69E+00 {0.36E-01}	0.91E-02 {0.13E-02}	0.31E+00 {0.00E+00}

6022 200 ESE (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
05/07/87	0.24E+00 {0.18E-01}	0.61E+00 {0.36E-01}	0.12E-01 {0.12E-02}	0.25E+00 {0.00E+00}

0582 2 MI. S OF PURW (SURFACE SOIL, **0-1** IN. DEPTH)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
05/07/87	0.11E+00 {0.12E-01}	0.13E+00 {0.25E-01}	0.27E-02 {0.52E-03}	0.22E+00 {0.00E+00}

< - Result **less** than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
SOIL - PCI/G

VERSION 1.0*
Page 256

0683 3 MI. SSW OF PUREX (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
05/07/87	0.20E-01 {0.52E-02}	< 0.11E-01 {0.16E-01}	0.02E-03 {0.30E-03}	0.19E+00 {0.00E+00}

0210 E OF 200 W GATE (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
05/07/87	0.38E+00 {0.20E-01}	0.13E+01 {0.64E-01}	0.17E+00 {0.43E-02}	0.39E+00 {0.00E+00}

0003 RATTLESNAKE SPRING (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
05/07/87	0.12E+00 {0.13E-01}	0.32E+00 {0.35E-01}	0.01E-02 {0.01E-03}	0.28E+00 {0.00E+00}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
SOIL - PCI/G

VERSION 1.0*
Page 257

6004 YAKIMA BARRICADE (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE	COM	SR 90	CS 137	PU23940	U-NAT
05/07/87		0.64 E-01 {0.12E-01}	0.81E-01 {0.20E-01}	0.15E-02 {0.40E-03}	0.27E+00 {0.00E+00}

8282 1/2 MILE NE FFTF (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE	COM	SR 90	CS 137	PU23940	U-NAT
04/29/87		0.86E-01 {0.85E-02}	0.32E+00 {0.33E-01}	0.55E-02 {0.76E-03}	0.24E+00 {0.00E+00}

6322 NORTH 300 AREA (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE	COM	SR 90	CS 137	PU23940	U-NAT
04/29/87		0.24E+00 {0.14E-01}	0.12E+01 {0.62E-01}	0.14E-01 {0.13E-02}	0.38E+01 {0.00E+00}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

6017 HANFORD TOWNSITE (SURFACE SOIL, **0-1** IN. DEPTH)

OFF DATE	COM	SR 90	CS 137	PU23940	U-NAT
04/29/87		0.29E+00 {0.12E-01}	0.11E+01 {0.57E-01}	0.19E-01 {0.23E-02}	0.42E+00 {0.00E+00}

6016 WYE BARRICADE (SURFACE SOIL, **0-1** IN. DEPTH)

OFF DATE	COM	SR 90	CS 137	PU23940	U-NAT
04/29/87		0.18E+00 {0.08E-02}	0.59E+00 {0.36E-01}	0.11E-01 {0.10E-02}	0.19E+00 {0.00E+00}

0505 OTHELLO (SURFACE SOIL, **0-1** IN. DEPTH)

OFF DATE	COM	SR 90	CS 137	PU23940	U-NAT
06/26/87		0.17E+00 {0.12E-01}	0.88E+00 {0.56E-01}	0.15E-01 {0.17E-02}	0.25E+00 {0.00E+00}
05/26/87		0.13E+00 {0.10E-01}	0.65E+00 {0.72E-01}	0.95E-02 {0.13E-02}	0.22E+00 {0.00E+00}
MEAN		0.15E+00	0.76E+00	0.13E-01	0.24E+00
MINIMUM		0.13E+00	0.65E+00	0.95E-02	0.22E+00
MAXIMUM		0.17E+00	0.88E+00	0.15E-01	0.25E+00
2STD.ERR		0.53E-01	0.29E+00	0.75E-02	0.36E-01

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

0603 CONNELL (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE	COM	SR 90	CS 137	PU23940	U-NAT
06/26/87		0.15E+00	0.52E+00	0.98E-02	0.34E+00
		{0.11E-01}	{0.40E-01}	{0.95E-03}	{0.00E+00}
05/26/87		0.90E-01	0.18E+00	0.37E-02	0.30E+00
		{0.92E-02}	{0.29E-01}	{0.67E-03}	{0.00E+00}
MEAN		0.12E+00	0.35E+00	0.68E-02	0.32E+00
MINIMUM		0.90E-01	0.18E+00	0.37E-02	0.30E+00
MAXIMUM		0.15E+00	0.52E+00	0.98E-02	0.34E+00
2STD.ERR		0.79E-01	0.43E+00	0.75E-02	0.54E-01

6278 E OF ALE FIELD LAB (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE	COM	SR 90	CS 137	PU23940	U-NAT
05/20/87		0.40E+00	0.11E+01	0.24E-01	0.45E+00
		{0.26E-01}	{0.61E-01}	{0.20E-02}	{0.00E+00}

6007 WAHLUKE SLOPE NO.2 (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE	COM	SR 90	CS 137	PU23940	U-NAT
06/26/87		0.75E-01	0.16E+00	0.29E-02	0.17E+00
		{0.10E-01}	{0.32E-01}	{0.76E-03}	{0.00E+00}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
SOIL - PCI/G

VERSION 1.0*
Page 280

6008 BERG RANCH (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE	COM	SR 90	CS 137	PU23940	U-NAT
05/26/87		0.20E+00 {0.14E-01}	0.31E+00 {0.35E-01}	0.61E-02 {0.98E-03}	0.38E+00 {0.00E+00}

6009 RINGOLD (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE	COM	SR 90	CS 137	PU23940	U-NAT
05/15/87		0.21E+00 {0.14E-01}	0.10E+01 {0.61E-01}	0.17E-01 {0.17E-02}	0.67E+00 {0.00E+00}

6360 WEST END OF FIR RD (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE	COM	SR 90	CS 137	PU23940	U-NAT
05/15/87		0.54E-01 {0.78E-02}	0.23E+00 {0.33E-01}	0.29E-02 {0.65E-03}	0.55E+00 {0.00E+00}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 YO 123187
SOIL - PCI/G

VERSION ■ - -
Page 281

6421 TAYLOR FLATS NO. 2 (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
05/16/87	0.97E-01 {0.10E-01}	0.80E+00 {0.55E-01}	0.11E-01 {0.12E-02}	0.97E+00 {0.00E+00}

6368 SAGEMOOR FARM (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
06/16/87	0.41E-01 {0.78E-02}	0.12E+00 {0.24E-01}	0.18E-02 {0.45E-03}	0.24E+00 {0.00E+00}

6011 BYERS LANDING (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
05/16/87	0.82E-01 {0.10E-01}	0.23E+00 {0.30E-01}	0.34E-02 {0.57E-03}	0.97E-01 {0.00E+00}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
SOIL - PCI/G

VERSION 1.0*
Page 262

0301 RIVERVIEW RIVER IR (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE COM	SN 90	CS LET	PU23940	U-NAT
05/15/87	0.19E+00 {0.14E-01}	0.86E+00 {0.50E-01}	0.15E-01 {0.12E-02}	0.30E+00 {0.00E+00}

0000 BENTON CITY (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE COM	SN 90	CS LET	PU23940	U-NAT
05/20/87	0.24E+00 {0.14E-01}	0.65E+00 {0.42E-01}	0.14E-01 {0.13E-02}	0.39E+00 {0.00E+00}

0357 SUNNYSIDE (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE COM	SN 90	CS LET	PU23940	U-NAT
05/21/87	0.25E+00 {0.22E-01}	0.29E+00 {0.36E-01}	0.61E-02 {0.10E-02}	0.29E+00 {0.00E+00}
05/21/87	nra	nra	nra	nra
MEAN	0.25E+00	0.29E+00	0.61E-02	0.29E+00
MINIMUM	0.25E+00	0.29E+00	0.61E-02	0.29E+00
MAXIMUM	0.25E+00	0.29E+00	0.61E-02	0.29E+00
2STD.ERR	0.22E-01	0.36E-01	0.10E-02	0.00E+00

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

0604 MC NARY DAM (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
06/29/87	0.91E-01 {0.96E-02}	0.43E+00 {0.40E-01}	0.79E-02 {0.11E-02}	0.37E+00 {0.00E+00}
05/29/87	0.54E-01 {0.74E-02}	0.17E+00 {0.31E-01}	0.36E-02 {0.64E-03}	0.26E+00 {0.00E+00}
MEAN	0.73E-01	0.30E+00	0.58E-02	0.31E+00
MINIMUM	0.54E-01	0.17E+00	0.36E-02	0.26E+00
MAXIMUM	0.91E-01	0.43E+00	0.79E-02	0.37E+00
2STD.ERR	0.46E-01	0.33E+00	0.55E-02	0.14E+00

0602 WALLA WALLA (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
06/29/87	0.18E-01 {0.53E-02}	0.71E-01 {0.21E-01}	0.70E-03 {0.32E-03}	0.52E+00 {0.00E+00}
05/29/87	0.22E-01 {0.60E-02}	0.68E-01 {0.20E-01}	0.19E-02 {0.78E-03}	0.72E+00 {0.00E+00}
MEAN	0.20E-01	0.69E-01	0.13E-02	0.62E+00
MINIMUM	0.18E-01	0.68E-01	0.70E-03	0.52E+00
MAXIMUM	0.22E-01	0.71E-01	0.19E-02	0.72E+00
2STD.ERR	0.60E-02	0.15E-01	0.15E-02	0.26E+00

0500 MOSES LAKE AREA (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
06/08/87	0.57E-01 {0.10E-01}	0.18E+00 {0.28E-01}	0.23E-02 {0.58E-03}	0.82E-01 {0.00E+00}
05/08/87	0.69E-01 {0.10E-01}	0.13E+00 {0.28E-01}	0.26E-02 {0.73E-03}	0.29E+00 {0.00E+00}
MEAN	0.63E-01	0.15E+00	0.25E-02	0.19E+00
MINIMUM	0.57E-01	0.13E+00	0.23E-02	0.82E-01
MAXIMUM	0.69E-01	0.18E+00	0.26E-02	0.29E+00
2STD.ERR	0.17E-01	0.64E-01	0.59E-03	0.27E+00

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

0501 WASHTUCNA (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
06/08/87	0.80E-01 {0.11E-01}	0.33E+00 {0.35E-01}	0.49E-02 {0.83E-03}	0.25E+00 {0.00E+00}
05/08/87	0.15E+00 {0.13E-01}	0.42E+00 {0.38E-01}	0.63E-02 {0.11E-02}	0.23E+00 {0.00E+00}
MEAN	0.11E+00	0.38E+00	0.56E-02	0.24E+00
MINIMUM	0.80E-01	0.33E+00	0.49E-02	0.23E+00
MAXIMUM	0.15E+00	0.42E+00	0.63E-02	0.25E+00
2STD.ERR	0.86E-01	0.12E+00	0.19E-02	0.31E-01

0512 YAKIMA (SURFACE SOIL, 0-1 IN. DEPTH)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
06/21/87	0.68E-01 {0.88E-02}	0.15E+00 {0.27E-01}	0.34E-02 {0.82E-03}	0.40E+00 {0.00E+00}
05/21/87	0.46E-01 {0.77E-02}	0.17E+00 {0.34E-01}	0.21E-02 {0.56E-03}	0.42E+00 {0.00E+00}
MEAN	0.57E-01	0.16E+00	0.28E-02	0.41E+00
MINIMUM	0.46E-01	0.15E+00	0.21E-02	0.40E+00
MAXIMUM	0.68E-01	0.17E+00	0.34E-02	0.42E+00
2STD.ERR	0.28E-01	0.39E-01	0.17E-02	0.28E-01

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

0579 1 MI.: E OF N AREA (DESERT, PERENNIAL VEGETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
04/29/87	0.38E-01 {0.78E-02}	0.21E+00 {0.28E-01}	0.61E-03 {0.27E-03}	0.14E-01 {0.00E+00}

0686 100 AREA FIRE STAT (DESERT, PERENNIAL VEGETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
04/29/87	0.98E-02 {0.52E-02}	0.11E+00 {0.19E-01}	0.64E-03 {0.32E-03}	0.82E-02 {0.00E+00}

6368 200 ENC (DESERT, PERENNIAL VEGETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
06/07/87	0.13E+00 {0.14E-01}	0.32E+00 {0.26E-01}	0.21E-02 {0.52E-03}	< 0.14E-01 {0.00E+00}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

6586 1.26 MI. E OF PURE (DESERT, PERENNIAL VEGETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
06/07/87	0.24E+00 {0.21E-01}	0.11E+00 {0.20E-01}	0.96E-03 {0.32E-03}	< 0.29E-01 {0.00E+00}

6068 200 ESE (DESERT, PERENNIAL VEGETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
05/07/87	0.86E-01 {0.97E-02}	0.11E+00 {0.24E-01}	0.12E-02 {0.37E-03}	< 0.16E-01 {0.00E+00}

0587 2 MI. S OF PUREX (DESERT, PERENNIAL VEGETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
05/07/87	0.89E-01 {0.10E-01}	0.35E-01 {0.20E-01}	0.62E-03 {0.32E-03}	< 0.25E-01 {0.00E+00}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
VEGETATION - PCI/G

VERSION 1.0*
Page 267

0688 3 MI. SSW OF PUREX (DESERT, PERENNIAL VEGETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
05/07/87	0.71E-01 {0.87E-02}	0.52E-01 {0.18E-01}	0.77E-03 {0.33E-03}	< 0.67E-02 {0.00E+00}

0283 E OF 200 W GATE (DESERT, PERENNIAL VEGETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
05/07/87	0.97E-01 {0.12E-01}	0.54E-01 {0.19E-01}	0.82E-02 {0.15E-02}	< 0.25E-01 {0.00E+00}

0049 RATTLESNAKE SPRING (DESERT, PERENNIAL VEGETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
05/07/87	0.73E-01 {0.92E-02}	0.47E-01 {0.17E-01}	0.37E-03 {0.22E-03}	< 0.12E-01 {0.00E+00}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

6050 YAKIMA BARRICADE (DESERT, PERENNIAL VEGETATI)

OFF DATE	COM	SR 90	CS 137	PU23940	U-NAT
06/07/87		0.34E-01 {0.68E-02}	0.18E-01 {0.13E-01}	< 0.17E-03 {0.17E-03}	< 0.88E-02 {0.00E+00}

6285 1/2 MILE NE FFTF (DESERT, PERENNIAL VEGETATI)

OFF DATE	COM	SR 90	CS 137	PU23940	U-NAT
04/29/87		0.25E-01 {0.50E-02}	0.56E-01 {0.23E-01}	< 0.12E-03 {0.12E-03}	0.15E-01 {0.00E+00}

6328 NORTH 300 AREA (DESERT, PERENNIAL VEGETATI)

OFF DATE	COM	SR 98	CS 137	PU23940	U-NAT
04/29/87		0.21E-01 {0.44E-02}	0.53E-01 {0.15E-01}	0.21E-03 {0.19E-03}	0.16E-01 {0.00E+00}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

6063 HANFDRD **TOWNSITE** (DESERT, PERENNIAL VEGETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
04/29/87	0.87E-01 {0.90E-02}	0.97E-01 {0.22E-01}	0.16E-03 {0.13E-03}	0.11E-01 {0.00E+00}

6062 WYE BARRICADE (DESERT, PERENNIAL VEGETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
04/29/87	0.12E-01 {0.42E-02}	0.53E-01 {0.20E-01}	0.18E-03 {0.13E-03}	0.73E-02 {0.00E+00}

0611 OTHELLO (DESERT, PERENNIAL VEGETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
06/26/87	0.45E-01 {0.68E-02}	< 0.12E-01 {0.17E-01}	< 0.15E-03 {0.16E-03}	0.13E-01 {0.00E+00}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

0509 CONNELL (DESERT, PERENNIAL VEGETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
06/26/87	0.24E-01 {0.50E-02}	0.29E-01 {0.14E-01}	< 0.71E-04 {0.94E-04}	0.14E-01 {0.00E+00}

6287 E OF ALE FIELD LAB (DESERT, PERENNIAL VEGETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
05/20/87	0.36E-01 {0.63E-02}	0.49E-01 {0.20E-01}	0.20E-03 {0.14E-03}	< 0.16E-01 {0.00E+00}

6053 WAHLUKE SLOPE NO.2 (DESERT, PERENNIAL VEGETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
05/26/87	0.38E-01 {0.84E-02}	0.75E-01 {0.25E-01}	0.20E-03 {0.16E-03}	0.18E-01 {0.00E+00}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

6054 BERG RANCH (DESERT, PERENNIAL VEGETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
06/26/87	0.38E-01 {0.88E-02}	0.11E+00 {0.26E-01}	0.23E-03 {0.18E-03}	0.14E-01 {0.00E+00}

6055 RINGOLD (DESERT, PERENNIAL VEGETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
05/15/87	0.12E-01 {0.50E-02}	0.31E-01 {0.14E-01}	< - .10E-04 {0.00E+00}	< 0.49E-01 {0.00E+00}

6366 WEST END OF FIR RD (DESERT, PERENNIAL VEGETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
85/15/87	0.40E-01 {0.60E-02}	< 0.12E-01 {0.13E-01}	< 0.42E-04 {0.18E-03}	< 0.23E-01 {0.00E+00}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

8423 TAYLOR FLATS NO. 2 (DESERT, PERENNIAL VEGETATI)

OFF DATE	COM	SR 90	CS 137	PU23940	U-NAT
05/15/87		0.64E-01 {0.10E-01}	0.30E-01 {0.15E-01}	0.28E-03 {0.18E-03}	< 0.31E-01 {0.00E+00}

8364 **SAGEMOOR** FARM (DESERT, PERENNIAL VEGETATI)

OFF DATE	COM	SR 90	CS 137	PU23940	U-NAT
05/15/87		0.46E-01 {0.79E-02}	0.35E-01 {0.17E-01}	< 0.46E-04 {0.80E-04}	< 0.12E-01 {0.00E+00}

8057 BYERS LANDING (DESERT, PERENNIAL VEGETATI)

OFF DATE	COM	SR 98	CS 137	PU23940	U-NAT
06/15/87		0.69E-02 {0.48E-02}	0.49E-01 {0.23E-01}	0.37E-03 {0.23E-03}	< 0.20E-01 {0.00E+00}

< - Result less than detection limit
() - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

8387 RIVERVIEW RIVER IR (DESERT, PERENNIAL VEGETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
06/16/87	0.18E-01 {0.52E-02}	0.49E-01 {0.16E-01}	< 0.10E-03 {0.11E-03}	< 0.18E-01 {0.00E+00}

8048 BENTON CITY (DESERT, PERENNIAL VEGETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
05/20/87	0.45E-01 {0.88E-02}	< 0.15E-02 {0.16E-01}	< 0.46E-04 {0.11E-03}	< 0.18E-01 {0.00E+00}

8383 SUNNYSIDE (DESERT, PERENNIAL VEGETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
06/21/87	0.61E-01 {0.78E-02}	0.44E-01 {0.23E-01}	< 0.15E-03 {0.17E-03}	0.14E-01 {0.00E+00}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

0610 MC NARY DAM (DESERT, PERENNIAL VEGETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
06/29/87	0.68E-02 {0.34E-02}	0.42E-01 {0.20E-01}	< 0.11E-03 {0.14E-03}	0.14E-01 {0.00E+00}

0608 WALLA WALLA (DESERT, PERENNIAL VECETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
06/29/87	0.39E-01 {0.82E-02}	0.29E-01 {0.15E-01}	< 0.84E-04 {0.19E-03}	0.16E-01 {0.00E+00}

0606 MOSES LAKE AREA (DESERT, PERENNIAL VEGETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
05/08/87	0.23E-01 {0.81E-02}	0.79E-01 {0.23E-01}	0.24E-03 {0.20E-03}	< 0.16E-01 {0.00E+00}

< - Result less than detection limit
{ } - Uncertainty for result.
NR - No result reported.
nra - Not routinely analyzed.

SURFACE ENVIRONMENTAL MONITORING DATA REPORT - 010187 TO 123187
VEGETATION - PCI/G

VERSION 1.0-
Page 275

0507 WASHTUCNA (DESERT, PERENNIAL VEGETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
05/08/87	0.91E-01 {0.10E-01}	0.23E-01 {0.18E-01}	< 0.47E-04 {0.81E-04}	< 0.15E-01 {0.00E+00}

0513 YAKIMA (DESERT, PERENNIAL VEGETATI)

OFF DATE COM	SR 90	CS 137	PU23940	U-NAT
05/21/87	0.24E-01 {0.64E-02}	< 0.11E-01 {0.15E-01}	< 0.99E-04 {0.13E-03}	0.11E-01 {0.00E+00}

HANFORD ENVIRONMENTAL HEALTH FOUNDATION

CO 12024

February 16, 1988

Pacific Northwest Laboratories
2400 Stevens Drive

Attn: D. D. Dauble

AIR QUALITY MONITORING. BWIP SITE CHARACTERIZATION PROJECT

Introduction

The EFAP for air quality outlines the technical requirements for a study to determine the background air quality in the Hanford Reservation in the area where the most significant air pollutant emissions are expected from BWIP site characterization. The ambient air **quality** parameter selected for study in the EFAP was total suspended particulate (TSP). Fugitive dust and vehicular traffic during exploratory shaft construction was identified as the most likely to produce TSP emissions.

A TSP monitoring station has been located at the exploratory shaft site (ESS) since October 1985 to collect background data prior to bore-hole drilling (Figure 1). This report summarizes the ESS TSP monitoring data and compares the data to the State of Washington ambient air quality standard for TSP (WAC 18-40-030).

Methods

All sampling was conducted in accordance with EPA Test Method 40 CFR 50, Appendix B, "Reference Method for the Determination of Suspended Particulate in the Atmosphere (High Volume Method), and Washington State Method WAC 18-40, "Suspended Particulate."

The sampler shelter is located approximately 100 meters west of the BWIP complex perimeter fence where a tower elevates the sampler 8 meters above the ground (Figure 2). The entire sampling train and collection filters are supplied, maintained, and calibrated by the Washington State Department of Ecology (WDOE) and the Benton-Franklin-Walla Walla Air Pollution Control Authority. HEHF follows the sampling schedule and protocol outlined by WDOE. After a 24-hour continuous sampling period, the filter is returned to WDOE.

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for analysis. The sampler is set to run from midnight to midnight as a 24-hour average sample. Filter handling and recording of field data is conducted by HEHF in accordance with BWIP Environmental Monitoring Procedure EMP-16.1

Results

Individual TSP sample analyses are reported to HEHF by the State of Washington Laboratory² on monthly summary forms. An example of the data reported for March 1987 is shown in Figure 3. Monthly data for CY 1986 and CY 1987 are shown in Tables I and II.

EPA guidance has expressed that, in order to obtain a statistically significant annual mean, one must collect 75% of the annual samples.³ For a six-day sampling cycle, a minimum of 46 samples should be collected each year. Mechanical failure of the timer at the BWIP station resulted in fewer than 46 samples in CY 1986 and CY 1987. The data still has acceptable accuracy, but the annual mean cannot be stated at the EPA selected confidence level.

Discussion

The EPA regulations on ambient air quality standards regulate particulate matter as either a primary or secondary standard (40 CFR 50). National primary ambient air quality standards define levels of air quality which the EPA judges as necessary to protect the public health, whereas secondary standards are set to protect the public welfare from any known or anticipated adverse effects of the pollutant. Presently, the EPA's primary air quality standard for particulate matter is $75 \mu\text{g}/\text{m}^3$ as an annual geometric mean with a $260 \mu\text{g}/\text{m}^3$ maximum 24-hour concentration not to be exceeded more than once a year. The secondary EPA limits, which are also the State of Washington Primary Standards, are $60 \mu\text{g}/\text{m}^3$ annual geometric mean with a $150 \mu\text{g}/\text{m}^3$ maximum 24-hour concentration not to be exceeded more than once a year. In addition, the State recognizes a natural dust background in areas east of the Cascade Mountain Crest. (WAC 18-40-030).

The data for CY 1986 and CY 1987 show that background annual mean concentrations of TSP at the exploratory shaft site are significantly below regulatory standards. The maximum 24-hour sample exceeded the $150 \mu\text{g}/\text{m}^3$ State of Washington limit once in CY 1986 ($397 \mu\text{g}/\text{m}^3$). However, one excursion above the limit is allowable per year under the Washington State Primary Ambient Air Quality Standard (WAC 18-40-030).

Executive Summary

This report summarizes work to date in support of the Air Quality EFAP. Total suspended particulate (TSP) sampling was conducted at the BWIP Exploratory Shaft Site prior to exploratory shaft construction to characterize background air quality. Background TSP concentrations measured complied with Federal and State ambient air quality standards and generally

showed a low level of background TSP. However, individual 24-hour TSP samples were not correlated with available meteorological data, and additional TSP background data collected at the Hanford weather station prior to 1986 was not included in this report.

S. R. Coleman, CIH, PE
Manager, Engineering & Special Projects
Environmental Health Sciences

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References:

- ¹PNL, Field TSP Monitoring Procedures, BWIP Environmental Monitoring Procedure EMP-16, November 1987.
- ²Washington State Department of Ecology Laboratory, P. O. Box 346, Manchester, WA 98353.
- ³EPA, Quality Assurance Handbook for Air Pollution Measurement Systems, Vol. II, EPA-600/4-77-027a, S2.0.1/p. 11, May 1977.

TABLE I

BWIP BACKGROUND TSP DATA - EXPLORATORY SHAFT SITE. CY 1986

<u>Month</u>	<u>Number of 24-Hour Samples</u>	<u>Monthly Mean ($\mu\text{g}/\text{m}^3$)</u>	<u>High 24-Hour Sample ($\mu\text{g}/\text{m}^3$)</u>
January	5	14.8	33
February	4	19.2	50
March	4	14.5	22
April	5	31.0	54
May	4	28.7	36
June	4	53.2	67
July	4	26.0	40
August	3	34.3	57
September	5	92.6	397
October	1	--	32
November	0	--	--
December	2	14.0	15
Annual Summary	41	34.7* (annual mean)	397

*Not statistically significant.

TABLE II

BWIP BACKGROUND TSP DATA - EXPLORATORY SHAFT SITE, CY 1987

<u>Month</u>	<u>Number of 24-Hour Samples</u>	<u>Monthly Mean ($\mu\text{g}/\text{m}^3$)</u>	<u>High 24-Hour Sample ($\mu\text{g}/\text{m}^3$)</u>
January	2	7.5	10
February	4	22.0	38
March	6	13.8	28
April	4	49.0	74
May	3	42.3	65
June	4	35.0	53
July	1	--	38
August	4	29.8	38
September	2	56.5	76
October	5	64.0	91
November	5	28.6	40
December	5	20.2	33
Annual Summary	45	33.0* (annual mean)	76

*Not statistically significant.

FIGURE 1
HANFORD SITE

FIGURE 2
LOCATION OF TSP MONITOR

1 2 - 3
[2] [4] [9]
FORM STATE

4 11
[0] [3] [0] [0] [0] [0] [2] [J]
STATION # / AGENCY

12 - 13 14
[0] [5] [7]
PROJ INTERVAL

15 - 16 17 - 18
[8] [7] [0] [3]
YEAR MONTH

21 - 22 23 - 27
[0] [0] [1] [1] [1] [0] [1]
ST. HR. PARAMETER

28 - 32
[9] [1] [0] [1] [0]
METHOD/UNITS/DEC

Hanford Exploratory Shaft
STATION NAME

ADDRESS

Hanford, WA
CITY

METHOD OF COLLECTION/MODEL
H -

ANALYZER #	AUDIT DATE	RESULTS	P F
A: 5996			
B:			
C:			
D:			

Comments:

OPERATOR: Sheldon Coleman

DAY	VALUE UG/M3	COMMENTS
01		
02		
03		
04	28	057082
05		
06		
07		
08		
09		
10	9	057083
11		
12	4	057085
13		
14		
15		
16	4	057086

DAY	VALUE UG/M3	COMMENTS
17		
18		
19		
20		
21		
22	10	057087
23		
24		
25		
26		
27		
28	28	057088
29		
30		
31		

19-20 33-36

19-20 33-36

HANFORD ENVIRONMENTAL HEALTH FOUNDATION

CO 12309

March 4, 1988

R. M. Mitchell, R2-84
Westinghouse Hanford Company

AMBIENT NITROGEN DIOXIDE MONITORING, CY 1987

This report will document the results of ambient nitrogen dioxide (NO_2) monitoring performed by HEHF/Environmental Health Sciences in CY 1987. The sampling represents the continuation of a program initiated in July 1978 to assist Rockwell/Westinghouse in assessing the environmental impact of oxides of nitrogen (NO_x) emissions from the PUREX Fuels Reprocessing Plant located in the 200-E Area. PUREX became operational with respect to NO_x emissions in mid November 1983. Data collected prior to that date are, therefore, representative of pre-PUREX background NO_x levels; CY 1987 data represent the fourth full year of post-startup monitoring.

Sampling locations are shown on the attached Hanford Site map. Year-round sampling was conducted at nine individual sampling sites. Aside from maintenance and calibration breaks, all stations operated continuously without long-term disabilities, except for two station problems. The first occurred February 19 through July 2 at the old Hanford Townsite when electricity was disconnected to the 615-C Building for demolition purposes; and the second when the off-site monitoring station at Sullivan's Barn was destroyed in a fire on August 6, 1987. When construction of a replacement barn is completed, the owner has agreed to continue providing support for the NO_x program.

A complete list of sampling stations utilized in CY 1987 is as follows:

1. Arid Lands Ecology (ALE) - sampler located in the 6652-K Building.
2. 200-W Area - sampler located on Army Loop Road at PNL Meteorological Tower.
3. 100-B Area - sampler located in the chlorination structure in the northwest corner of the 100-B raw water reservoir.
4. 100-D Area - sampler located in PNL monitoring station 1614-D3.
5. Old Hanford Townsite.
6. Army Barracks - sampler located at PNL air monitoring station 200-ESE, south-east of 200-E Area.
7. Wye' Barricade.
8. 400 Area - sampler located adjacent to the 4831 Building.
9. Sullivan Barn - sampler located in barn on bluff overlooking the 300 Area, east of Columbia River.

R. M. Mitchell, WHC

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March 4, 1988

All sampling was performed manually by the EPA Designated Equivalent Method No. EQN-1277-028, "TGS-ANSA Method for the Determination of Nitrogen Dioxide in the Atmosphere." The sampling and analytical procedures were followed as written, without deviation or modification. Pumps were set to sequence on a 24-hour basis; thus, all sample results are midnight to midnight, 24-hour averages.

Sample results tabulated by site on a monthly basis are given in the attached data tables. Results for the entire twelve-month period are summarized below. For averaging purposes, less than detectable daily concentrations were assumed to be equal to the 24-hour detection limit of 0.003 ppm. Calculated monthly and yearly means incorporating these nondetectable daily concentrations are, therefore, also reported as less-than values. As a measure of data variation, all monthly and annual averages include a ± 2 standard deviation term.

Site	No. 24-hr. Integrated Samples	Annual Arith- metic Mean* ppm NO ₂	% Sples Less Than Detection Limit (0.003 ppm NO ₂)	High 24-hour Average ppm NO ₂
ALE	192	<0.007 $\pm$ 0.006	7.8	0.020
200-W	252	<0.006 $\pm$ 0.005	11.1	0.016
100-B	240	<0.006 $\pm$ 0.005	9.2	0.018
100-D	198	<0.008 $\pm$ 0.012	9.1	0.031
Old Hanford	120	<0.004 $\pm$ 0.005	25.8	0.015
Army Barracks	204	<0.006 $\pm$ 0.005	7.8	0.013
Wye Barricade	168	<0.008 $\pm$ 0.007	4.8	0.020
400 Area	234	<0.005 $\pm$ 0.006	27.4	0.014
Sullivan Barn	114	<0.007 $\pm$ 0.007	8.8	0.021

*Includes ± 2 standard deviation term.

Annual average NO₂ concentrations at all sites remain well below the U. S. Environmental Protection Agency (40 CFR 50.11) and State of Washington (WAC 173-475-030) ambient air limit of 0.05 ppm nitrogen dioxide, annual arithmetic mean.

If you have questions regarding the CY 1987 NO₂ data, please contact me at 6-7765.

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Attachs.

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Air Nitrogen Dioxide Data, CY 1987
Concentration NO₂ in Air, ppm

Site	Month	No. 24-Hour Samples	Monthly Average	No. Samples <Detection Limit (0.003 ppm)	High 24-Hour Average	Low 24-Hour Average
ALE	January	12	0.008 ± 0.006	0	0.014	0.004
	February	15	0.009 ± 0.004	0	0.014	0.005
	March	21	<0.006 ± 0.004	2	0.010	<0.003
	April	12	<0.006 ± 0.006	2	0.012	<0.003
	May	6	0.011 ± 0.008	0	0.017	0.006
	June	24	0.009 ± 0.006	0	0.015	0.005
	July	12	0.007 ± 0.002	0	0.011	0.006
	August	23	<0.005 ± 0.004	4	0.010	<0.003
	September	19	<0.005 ± 0.004	3	0.011	<0.003
	October	15	0.006 ± 0.004	0	0.010	0.004
	November	21	<0.008 ± 0.010	4	0.020	<0.003
	December	12	0.005 ± 0.002	0	0.007	0.003
200-W Area	January	27	<0.005 ± 0.002	1	0.008	<0.003
	February	18	<0.006 ± 0.006	2	0.013	<0.003
	March	21	<0.006 ± 0.006	2	0.013	<0.003
	April	7	0.004 ± 0.004	0	0.008	0.003
	May	21	<0.007 ± 0.006	3	0.016	<0.003
	June	20	<0.006 ± 0.004	3	0.009	<0.003
	July	26	<0.005 ± 0.004	2	0.010	<0.003
	August	27	<0.005 ± 0.004	3	0.011	<0.003
	September	25	<0.005 ± 0.004	2	0.010	<0.003
	October	18	<0.005 ± 0.004	3	0.010	<0.003
	November	23	<0.007 ± 0.008	3	0.016	<0.003
	December	19	<0.005 ± 0.004	8	0.010	<0.003

AMBIENT NITROGEN DIOXIDE DATA, CY 1987
Concentration NO₂ in Air, ppm

Site	Month	No. 24-Hour Samples	Monthly Average	No. Samples <Detection Limit (0.003 ppm)	High 24-Hour Average	Low 24-Hour Average
100-B Area	January	21	<0.006 ± 0.004	1	0.008	<0.003
	February	18	<0.006 ± 0.006	3	0.010	<0.003
	March	27	<0.005 ± 0.004	2	0.012	<0.003
	April	19	<0.005 ± 0.004	1	0.011	<0.003
	May	27	<0.005 ± 0.004	5	0.010	<0.003
	June	26	<0.005 ± 0.004	1	0.009	<0.003
	July	18	0.007 ± 0.004	0	0.012	0.003
	August	23	<0.006 ± 0.006	3	0.014	<0.003
	September	13	0.007 ± 0.004	0	0.013	0.004
	October	21	0.008 ± 0.004	0	0.012	0.005
	November	14	<0.006 ± 0.010	6	0.018	<0.003
	December	13	0.007 ± 0.006	0	0.013	0.004
100-D Area	January	27	<0.005 ± 0.004	2	0.011	<0.003
	February	21	<0.006 ± 0.002	1	0.009	<0.003
	March	6	0.005 ± 0.002	0	0.006	0.003
	April	13	0.004 ± 0.002	0	0.006	0.003
	May	27	<0.004 ± 0.002	6	0.008	<0.003
	June	26	<0.005 ± 0.004	6	0.009	<0.003
	July	12	0.005 ± 0.002	0	0.008	0.003
	August	6	0.004 ± 0.002	0	0.005	0.003
	September	6	0.014 ± 0.002	0	0.015	0.013
	October	21	<0.015 ± 0.014	2	0.025	<0.003
	November	21	0.019 ± 0.010	0	0.031	0.008
	December	12	<0.007 ± 0.006	1	0.013	<0.003

AMBIENT NITROGEN DIOXIDE DATA
Concentration NO₂ in Air, ppm

Site	Month	No. 24-Hour Samples	Monthly Average	No. Samples < Protection Limit (0.003 ppm)	High 24-Hour Average	Low 24-Hour Average
Old Hanford Townsite	January	9	0.005 ± 0.002	0	0.007	0.003
	February	15	<0.005 ± 0.004	2	0.011	<0.003
	March	No samples taken.				
	April	No samples taken.				
	May	No samples taken.				
	June	No samples taken.				
	July	26	<0.006 ± 0.006	3	0.015	<0.006
	August	21	<0.004 ± 0.004	7	0.007	<0.003
	September	13	<0.004 ± 0.002	4	0.007	<0.003
	October	3	<0.002 ± 0.004	3	0.003	<0.003
	November	20	<0.003 ± 0.004	11	0.012	<0.003
	December	13	<0.005 ± 0.004	1	0.011	<0.003
Army Barracks	January	27	<0.007 ± 0.004	1	0.013	<0.003
	February	24	<0.007 ± 0.004	1	0.013	<0.003
	March	27	<0.006 ± 0.004	2	0.010	<0.003
	April	25	<0.005 ± 0.004	2	0.008	<0.003
	May	15	0.006 ± 0.004	0	0.009	0.003
	June	26	<0.006 ± 0.004	1	0.013	<0.003
	July	12	0.005 ± 0.002	0	0.008	0.003
	August	6	<0.005 ± 0.004	1	0.008	<0.003
	September	No samples taken.				
	October	3	0.009 ± 0.004	0	0.010	0.005
	November	26	<0.005 ± 0.004	6	0.010	<0.003
	December	13	<0.005 ± 0.004	2	0.010	<0.003

ANNUAL NITROGEN DIOXIDE CONCENTRATIONS BY 1987
Concentration NO₂ in air, ppm

Site	Month	No. 24-Hour Samples	Monthly Average	No. Samples <Detection Limit (0.003 ppm)	High 24-Hour Average	Low 24-Hour Average
Wye Barricade	January	12	<0.003 ± 0.006	1	0.011	<0.003
	February	12	0.010 ± 0.008	0	0.017	0.005
	March	18	<0.003 ± 0.004	1	0.010	<0.003
	April	24	<0.007 ± 0.004	1	0.012	<0.003
	May	16	0.008 ± 0.006	0	0.013	0.004
	June	8	0.011 ± 0.004	0	0.013	0.006
	July	14	0.008 ± 0.004	0	0.010	0.005
	August	27	<0.008 ± 0.008	2	0.019	<0.003
	September	13	<0.007 ± 0.004	1	0.011	<0.003
	October	12	0.015 ± 0.006	0	0.020	0.011
	November	No samples taken.				
	December	12	<0.005 ± 0.004	2	0.009	<0.003
400 Area	January	15	<0.006 ± 0.006	2	0.012	<0.003
	February	21	<0.005 ± 0.006	7	0.013	<0.003
	March	18	<0.005 ± 0.004	1	0.011	<0.003
	April	19	<0.004 ± 0.004	10	0.007	<0.003
	May	27	<0.004 ± 0.004	8	0.008	<0.003
	June	26	<0.004 ± 0.002	9	0.006	<0.003
	July	26	<0.006 ± 0.006	3	0.012	<0.003
	August	22	<0.005 ± 0.006	7	0.011	<0.003
	September	24	0.007 ± 0.004	0	0.011	0.004
	October	14	<0.006 ± 0.006	3	0.012	<0.003
	November	9	<0.007 ± 0.008	3	0.014	<0.003
	December	12	<0.002 ± 0.002	11	0.003	<0.003

AMBIENT NITROGEN DIOXIDE DATA, CT
Concentration NO₂ in Air, ppm

Site	Month	No. 24-Hour Samples	Monthly Average	No. Samples <Detection Limit (0.003 ppm)	High 24-Hour Average	Low 24-Hour Average
Sullivan Barn	January	21	<0.006 ± 0.006	3	0.012	<0.003
	February	18	<0.010 ± 0.012	1	0.021	<0.003
	March	21	<0.006 ± 0.004	2	0.011	<0.003
	April	12	0.008 ± 0.004	0	0.011	0.005
	May	6	<0.004 ± 0.002	2	0.006	<0.003
	June	12	<0.006 ± 0.004	1	0.010	<0.003
	July	20	<0.006 ± 0.004	1	0.009	<0.003
	August	4	0.007 ± 0.004	0	0.009	0.004
	September	No samples taken.				
	October	No samples taken.				
	November	No samples taken.				
	December	No samples taken.				

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