



INTERNATIONAL
URANIUM (USA)
CORPORATION

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August 26, 1997

Mr. Joseph J. Holonich, Branch Chief
High Level Waste and Uranium Recovery Projects Branch
Division of Waste Management
Office of Nuclear Materials Safety and Safeguards
U. S. Nuclear Regulatory Commission
2 White Flint North, Mail Stop T-7J9
11545 Rockville Pike
Rockville, MD 20852

Re: ENERGY FUELS NUCLEAR, INC.
SUA-1358 DOCKET NO. 40-8681
WHITE MESA MILL, BLANDING, UTAH
Semi-Annual Effluent Report
January 1 through December 31, 1997 per LC #11.3

Dear Mr. Holonich:

As required by the Code of Federal Regulations, Title 10, Part 40.65 and License Condition 11.3 of NRC Source Materials License SUA-1358, find attached a summary of the estimated releases of radioactive materials in effluents from the International Uranium (USA) Corporation, White Mesa Mill, Blanding, Utah, for the period of January 1 through June 30, 1997.

If you have any questions or comments, feel free to get in touch with Mr. Ron E. Berg or Mr. William Deal at (801) 678-2221.

Sincerely,

R. E. Berg

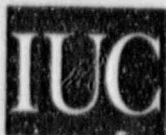
Ron E. Berg
Radiation Safety Officer

9709050243 970630
PDR ADOCK 04008681
E PDR

XC: Linda Howell, Branch Chief, Fuels Cycle Decommissioning Branch
Harold Roberts William Deal
Michelle Rehmann Shannon Clark
Central File

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1.0 Stack Sampling

No gas stack samples were collected on any White Mesa Mill effluent gas pollution control systems for the period January 1 through June 30, 1997. The mill was in abeyant operations for the above period and these systems were not operating.

2.0 Environmental, Radiological, and Effluent Monitoring Data

2.1 Environmental Radon

Effective with the issuance of License Amendment 41 (September 28, 1995 by the U. S. Nuclear Regulatory Commission), License Condition 24B was removed from International Uranium (USA) Corporations Source Material License SUA-1358. Amendment 41 allows International Uranium (USA) Corporation to use MILDOS modeling to determine environmental radon compliance at the nearest resident (BHV-2). Amendment 41 has eliminated the necessity for quarterly monitoring of environmental radon. Environmental radon sampling was discontinued at the end of the third quarter of 1995. Compliance with the radiation dose limits for individual members of the public contained in 10 CFR 20.1302(b)(1) at the nearest residence (BHV-2) is demonstrated by calculation using MILDOS.

2.2 Environmental Gamma

Gamma radiation levels at five environmental locations are determined by Thermal Luminescent Dosimeters (TLDs) furnished by THERMO NUtech. The nearest residence, BHV-2 has a duplicate TLD sphere which is collected simultaneously with that sample location's sample. The TLD spheres are exchanged quarterly and the data is presented in Tables 1 through 6 and Graphs 1 through 7. BHV-3 is location where the background gamma radiation values are determined. This station is located on Black Mesa approximately 5 miles from the mill due West. Background gamma radiation levels are subtracted from other sampling locations. Graph 1 suggests that gamma radiation levels are influenced by combined environmental factors and are not particularly a function of where they are placed. Individual gamma radiation levels tend to increase or decrease as a whole group rather than at any specific location. Results of a given sample and a duplicate sample often indicate nonconfirmatory values. The duplicate sample results collected at location BHV-2 comprises twenty-nine quarters of data accumulation. There is minimal agreement between sample and duplicate sample results as indicated by a statistical index r^2 (coefficient of determination) of 0.47. Refer to Table 6 and Graph 7.



2.3 Vegetation Samples

Vegetation samples are collected at three locations around the mill periphery. The sampling locations are Northeast, Northwest and Southwest of the mill facility. Vegetation samples are collected three times a year, during early spring, late spring and fall (growth seasons). Vegetation sample data are included as Tables 7 through 9 and Graphs 8 through 10. Note that samples were not collected for the Second Quarter 1996 because vegetation was not available due to drought conditions. No trend is apparent as Ra-226 and Pb-210 concentrations at each sampling location remain consistent.

2.4 Environmental Air Monitoring

Environmental air monitoring at the White Mesa Mill is accomplished by utilizing four high volume air sampling stations (BHV-1, BHV-2, BHV-4 and BHV-5). The location of each sampling station is identified in Figure 1. Tables 10 through 14 and Graphs 11 through 14 show sample results. Air particulate radionuclide monitoring at BHV-3 was discontinued at the end of the third quarter of 1995 pursuant to License Amendment 41. This sampling location provided sufficient data accumulation (12 years) to establish background concentrations. Air particulate radionuclide concentrations at each monitoring site are calculated by subtracting the appropriate quarterly background average listed in Enclosure 2 to Amendment 41. Graphs 11 through 14 illustrate radionuclide concentrations at each location minus the background concentrations. Tables 15 and 16 illustrate the results of the dose calculations including the 50 year dose commitment to the nearest residence. Graphs 15 through 17 illustrate the estimated yearly dose for bone, whole body and lung to the nearest resident. No unusual or discernible trends are apparent.

2.5 Groundwater Monitoring

Tables 17 and 18 express the results of the groundwater monitoring program at the White Mesa Mill. Please note the imposition of Point of Compliance (P.O.C.) sample collection and data for the second quarter 1997. This information reflects sample collection locations and changes in analyte criteria, in accordance with implementation of P.O.C. in License Condition 11.3 C. of Source Material License SUA-1358. The QC results for the first and second quarter of 1997 are shown in Table 19. This table also includes a column for QC results for blind duplicate samples and distilled water samples which have been flushed through the sample collection hose reel. Graphical representation of the quarterly results are plotted and illustrated in



Graphs 18 through 47. There are no apparent increased analyte trends evident.

2.6 Surface Water Monitoring

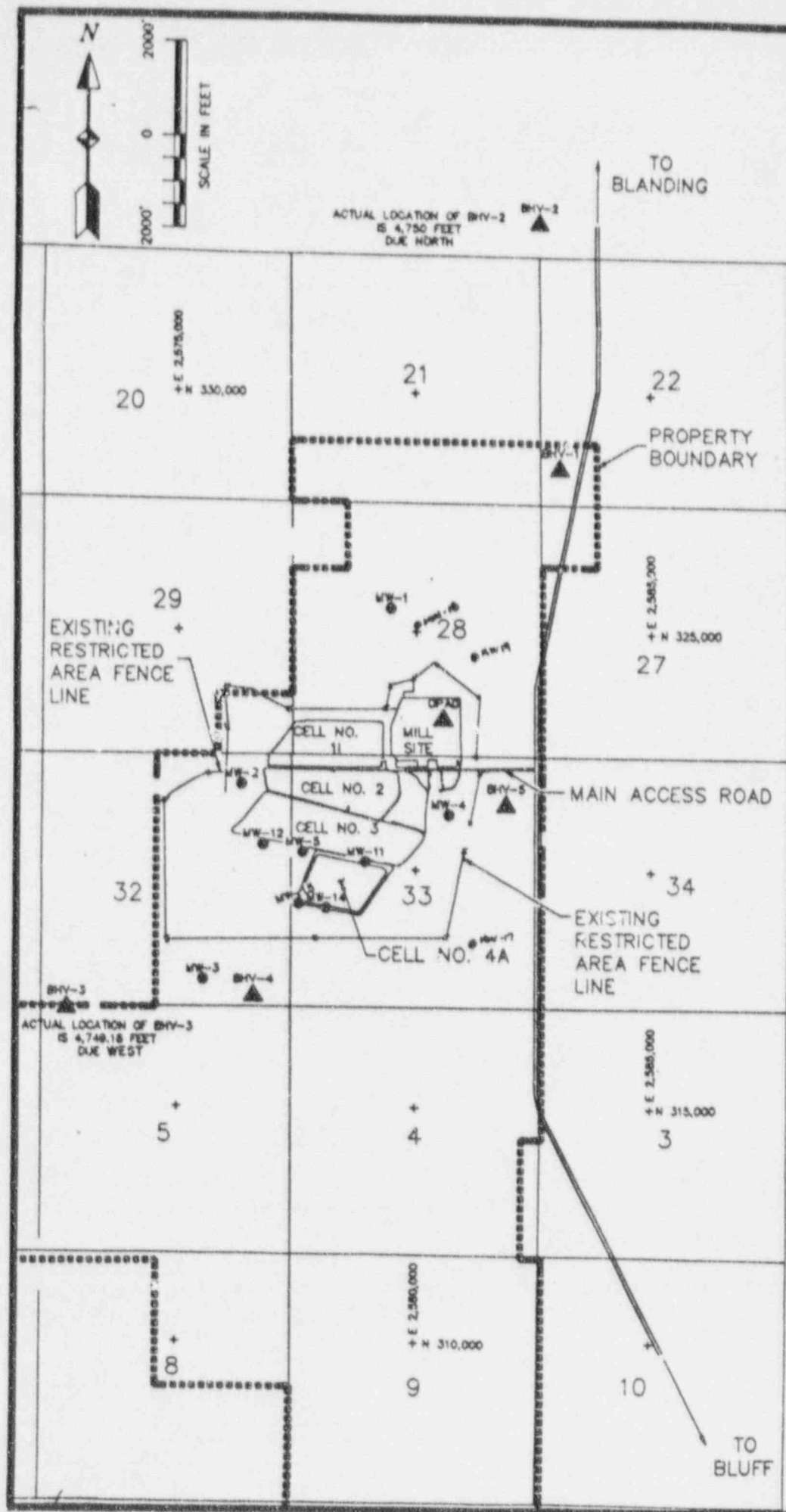
The results of surface water monitoring are presented in Table 20. Cottonwood Creek is sampled quarterly and Westwater Creek is sampled on an annual basis. This year Westwater Creek had flow and the results are included in Table 20.

2.7 Soil Sampling

Soil samples are taken in August at the five BHV locations. These results will be reported in the second half Effluent Report.

3.0 Meteorological Data

The Semi-Annual Air Quality and Meteorology Monitoring Report, provided by EnecoTech is attached as Appendix 1.



INTERNATIONAL BRANDEM (IBRA) CORPORATION

FIGURE 1

WHITE MESA MILL
BLANDING, UTAH

TABLE 1

INTERNATIONAL URANIUM (USA) CORP.
WHITE MESA MILL
DIRECT RADIATION
MR/QTR

Location: BHV-1, Meterological Station

Period Ending	Total Exposure Rate	Counting Error	Net Exposure Rate*	Net Error	Total Rate Mr/week	Counting Error Mr/week
03-Feb-87	20.67	0.05	1.30	1.55	1.59	0.00
01-Apr-87	22.75	1.92	-8.19	2.09	1.75	0.15
01-Jul-87	Sample lost in the field					
09-Oct-87	17.94	0.03	1.95	1.07	1.38	0.00
14-Jan-88	20.80	1.58	-0.13	1.63	1.6	0.12
19-Apr-88	25.61	2.32	1.43	3.43	1.97	0.18
15-Jul-88	26.52	7.37	1.69	8.28	2.04	0.57
11-Oct-88	20.02	5.81	-0.39	5.81	1.54	0.45
19-Jan-89	23.14	2.61	-1.17	5.30	1.78	0.20
08-May-89	30.42	5.61	0.26	7.14	2.34	0.43
21-Jul-89	27.43	6.73	1.17	6.95	2.11	0.52
30-Oct-89	25.09	12.58	2.34	15.12	1.93	0.97
18-Jan-90	23.27	9.23	0.78	10.97	1.79	0.71
19-Apr-90	26.26	4.12	2.86	5.11	2.02	0.32
16-Jul-90	22.75	2.05	-1.56	3.12	1.75	0.16
01-Oct-90	22.10	1.95	-0.13	1.95	1.70	0.15
02-Jan-91	25.61	2.24	-6.76	9.60	1.97	0.17
01-Apr-91	22.49	2.35	-1.30	4.94	1.73	0.18
01-Jul-91	23.92	5.62	-7.67	5.83	1.84	0.43
30-Sep-91	23.27	0.97	-0.39	0.98	1.79	0.07
13-Jan-92	34.97	0.97	11.31	0.98	2.69	0.07
10-Apr-92	22.10	1.62	-15.34	6.60	1.70	0.12
15-Jul-92	23.14	1.26	-3.90	6.44	1.78	0.10
01-Oct-92	21.97	5.50	-3.64	5.91	1.69	0.42
04-Jan-93	27.04	1.53	4.55	4.56	2.08	0.12
08-Apr-93	21.45	3.13	-10.92	9.85	1.65	0.24
13-Jul-93	24.05	7.89	0.26	9.01	1.85	0.61
08-Oct-93	26.65	1.57	-4.94	2.21	2.05	0.12
13-Jan-94	31.85	4.50	8.19	4.50	2.45	0.35
11-Apr-94	31.20	1.03	-6.24	6.48	2.4	0.08
11-Jul-94	23.01	3.02	-4.03	7.00	1.77	0.23
11-Oct-94	22.62	6.08	-2.99	6.45	1.74	0.47
11-Jan-95	19.11	15.77	-3.38	16.35	1.47	1.21
11-Apr-95	21.97	2.04	-7.67	2.64	1.69	0.16
11-Jul-95	23.79	6.61	1.04	7.07	1.83	0.51
16-Oct-95	25.48	7.62	2.73	8.02	1.96	0.59
16-Jan-96	16.64	4.06	-9.62	4.21	1.28	0.31
11-Apr-96	21.71	2.15	2.73	2.91	1.67	0.17
16-Jul-96	18.33	2.07	-7.67	4.28	1.41	0.16
10-Oct-96	22.62	3.23	2.99	6.18	1.74	0.25
07-Jan-97	21.45	3.79	-0.26	7.46	1.65	0.29
07-Apr-97	21.58	4.26	-1.43	5.64	1.66	0.33
08-Jul-97	20.93	1.88	0.78	3.61	1.61	0.14
Mean	23.15	3.52	-0.69	4.94	1.81	0.33
Std. Dev.	4.64	4.39	4.59	4.89	0.28	0.35

* " - " means exposure is less than the background site

TABLE 2

INTERNATIONAL URANIUM (USA) CORP.
WHITE MESA MILL
DIRECT RADIATION
MR/QTR

Location: BHV-2, Nearest Residence

Period	Total Exposure	Counting	Net Exposure	Net	Total Rate	Counting Error
03-Feb-87	29.25	-0.75	9.88	1.72	2.25	-0.06
01-Apr-87	22.88	0.82	-8.06	1.16	1.76	0.06
01-Jul-87	30.29	4.61	5.20	8.65	2.33	0.35
09-Oct-87	17.81	3.73	1.82	3.88	1.37	0.29
14-Jan-88	21.19	4.08	0.26	4.10	1.63	0.31
19-Apr-88	27.82	4.72	3.64		2.14	0.36
15-Jul-88	25.48	6.67	0.65	7.22	1.96	0.51
11-Oct-88	25.35	8.51	4.94	8.51	1.95	0.65
19-Jan-89	24.44	5.21	0.13	6.96	1.88	0.40
08-May-89	32.37	2.61	2.21	5.12	2.49	0.20
21-Jul-89	27.95	2.33	1.69	2.90	2.15	0.18
30-Oct-89	22.88	2.58	0.13	8.77	1.76	0.20
19-Jan-90	24.05	2.43	1.56	6.41	1.85	0.19
19-Apr-90	24.83	0.42	1.43	3.05	1.91	0.03
16-Jul-90	23.14	0.65	-1.17	2.44	1.78	0.05
01-Oct-90	23.14	7.55	0.91	7.55	1.78	0.58
02-Jan-91	30.42	5.34	-1.95	10.76	2.34	0.41
01-Apr-91	25.61	9.95	1.82	10.86	1.97	0.77
01-Jul-91	24.70	4.12	-6.89	4.41	1.9	0.32
30-Sep-91	25.74	6.77	2.08	6.77	1.98	0.52
13-Jan-92	38.61	8.70	14.95	8.70	2.97	0.67
10-Apr-92	23.66	1.22	-13.78	6.52	1.82	0.09
15-Jul-92	26.13	4.56	-0.91	7.79	2.01	0.35
01-Oct-92	23.01	6.40	-2.60	6.75	1.77	0.49
04-Jan-93	26.65	-0.67	4.16	4.35	2.05	-0.05
08-Apr-93	22.88	4.53	-9.49	10.38	1.76	0.35
13-Jul-93	17.42	3.79	-6.37	5.77	1.34	0.29
08-Oct-93	26.91	4.27	-4.68	4.55	2.07	0.33
13-Jan-94	30.42	4.30	6.76	4.30	2.34	0.33
11-Apr-94	19.89	7.53	-17.55	9.88	1.53	0.58
11-Jul-94	26.13	6.32	-0.91	8.94	2.01	0.49
11-Oct-94	25.09	10.18	-0.52	10.41	1.93	0.78
12-Jan-95	28.08	-0.03	5.59	4.30	2.16	-0.00
11-Apr-95	24.18	4.34	-5.46	4.65	1.86	0.33
11-Jul-95	24.18	3.81	1.43	4.56	1.86	0.29
16-Oct-95	27.17	7.52	4.42	7.93	2.09	0.58
16-Jan-96	17.81	5.06	-8.45	5.18	1.37	0.39
11-Apr-96	24.44	1.15	5.46	2.27	1.88	0.09
16-Jul-96	19.76	2.57	-6.24	4.55	1.52	0.20
10-Oct-96	21.06	6.03	1.43	8.01	1.62	0.46
07-Jan-97	20.54	5.19	-1.17	8.26	1.58	0.40
07-Apr-97	21.06	2.46	-1.95	4.43	1.62	0.19
08-Jul-97	20.67	3.48	0.52	4.65	1.59	0.27
Mean	24.10	3.55	-0.13	5.13	1.85	0.34
Std. Dev.	4.26	3.06	5.34	3.59	0.33	0.22

** - * means exposure is less than the background site

TABLE 3

INTERNATIONAL URANIUM (USA) CORP.
 WHITE MESA MILL
 DIRECT RADIATION
 MR/QTR

Location: BHV-3, Black Mesa (Background)

Period Ending	Total Exposure Rate	Counting Error	Net Exposure Rate	Net Error	Total Rate Mr/week	Counting Error Mr/week
03-Feb-87	19.37	1.55	0.00	2.19	1.49	0.12
01-Apr-87	30.94	0.82	0.00	1.16	2.38	0.06
01-Jul-87	25.09	7.32	0.00	10.35	1.93	0.56
09-Oct-87	15.99	-1.07	0.00	1.51	1.23	-0.08
14-Jan-88	20.93	-0.42	0.00	0.59	1.61	-0.03
19-Apr-88	24.18	2.52	0.00	3.56	1.86	0.19
15-Jul-88	24.83	3.77	0.00	5.33	1.91	0.29
11-Oct-88	20.41	0.21	0.00	0.30	1.57	0.02
19-Jan-89	24.31	4.61	0.00	6.52	1.87	0.35
08-May-89	30.16	4.41	0.00	6.24	2.32	0.34
21-Jul-89	26.26	1.73	0.00	2.45	2.02	0.13
30-Oct-89	22.75	8.38	0.00	11.85	1.75	0.64
18-Jan-90	22.49	5.93	0.00	8.39	1.73	0.46
19-Apr-90	23.40	3.02	0.00	4.27	1.8	0.23
16-Jul-90	24.31	2.35	0.00	3.32	1.87	0.18
01-Oct-90	22.23	0.00	0.00	0.00	1.71	0.00
02-Jan-91	32.37	9.34	0.00	13.21	2.49	0.72
01-Apr-91	23.79	4.35	0.00	6.15	1.83	0.33
01-Jul-91	31.59	-1.56	0.00	2.21	2.43	-0.12
30-Sep-91	23.66	0.17	0.00	0.24	1.82	0.01
13-Jan-92	37.44	6.40	0.00	9.05	2.88	0.49
10-Apr-92	27.04	6.32	0.00	8.94	2.08	0.49
15-Jul-92	25.61	2.16	0.00	3.05	1.97	0.17
01-Oct-92	22.49	4.30	0.00	6.08	1.73	0.33
04-Jan-93	29.64	-1.67	0.00	2.36	2.28	-0.13
08-Apr-93	23.66	-0.17	0.00	0.24	1.82	-0.01
13-Jul-93	22.88	2.19	0.00	3.10	1.76	0.17
08-Oct-93	24.83	2.57	0.00	3.63	1.91	0.20
12-Jan-94	30.94	3.00	0.00	4.24	2.38	0.23
11-Apr-94	31.46	4.93	0.00	6.97	2.42	0.38
11-Jul-94	24.05	1.12	0.00	1.58	1.85	0.09
11-Oct-94	21.97	2.68	0.00	3.79	1.69	0.21
12-Jan-95	25.87	14.77	0.00	20.89	1.99	1.14
11-Apr-95	23.01	2.04	0.00	2.88	1.77	0.16
11-Jul-95	22.75	2.51	0.00	3.55	1.75	0.19
16-Oct-95	26.26	1.12	0.00	1.58	2.02	0.09
16-Jan-96	18.98	1.96	0.00	2.77	1.46	0.15
11-Apr-96	26.00	3.75	0.00	5.30	2	0.29
16-Jul-96	19.63	5.27	0.00	7.45	1.51	0.41
10-Oct-96	21.71	6.43	0.00	9.09	1.67	0.49
07-Jan-97	23.01	3.69	0.00	5.22	1.77	0.28
07-Apr-97	21.19	5.26	0.00	7.44	1.63	0.40
08-Jul-97	20.15	3.08	0.00	4.36	1.55	0.24
Mean	23.90	2.82	0.00	4.21	1.84	0.27
Std. Dev.	4.05	3.26	0.00	4.41	0.31	0.25

TABLE 4

INTERNATIONAL URANIUM (USA) CORP.
WHITE MESA MILL
DIRECT RADIATION
MR/QTR

Location: BHV-4, South Tailings Area

Period	Total Exposure	Counting	Net Exposure	Net	Total Rate	Counting Error
03-Feb-87	23.27	2.55	3.90	2.98	1.79	0.20
01-Apr-87	22.36	2.12	-8.58	2.27	1.72	0.16
01-Jul-87	26.26	14.71	1.17	16.43	2.02	1.13
09-Oct-87	20.15	-0.87	4.16	1.38	1.55	-0.07
14-Jan-88	22.36	2.68	1.43	2.71	1.72	0.21
19-Apr-88	26.13	-1.68	1.95	3.03	2.01	-0.13
15-Jul-88	27.69	1.77	2.86	4.16	2.13	0.14
11-Oct-88	23.40	2.81	2.99	2.82	1.80	0.22
19-Jan-89	24.18	3.91	-0.13	6.04	1.86	0.30
08-May-89	32.50	0.61	2.34	4.45	2.5	0.05
21-Jul-89	29.64	-0.57	3.38	1.82	2.28	-0.04
30-Oct-89	21.97	-1.32	-0.78	8.48	1.69	-0.10
18-Jan-90	23.92	9.23	1.43	10.97	1.84	0.71
19-Apr-90	25.61	2.62	2.21	4.00	1.97	0.20
16-Jul-90	21.58	2.75	-2.73	3.62	1.66	0.21
01-Oct-90	23.66	0.25	1.43	0.25	1.82	0.02
02-Jan-91	24.83	1.74	-7.54	9.50	1.91	0.13
01-Apr-91	24.05	0.45	0.26	4.37	1.85	0.03
01-Jul-91	26.00	5.62	-5.59	5.83	2	0.43
30-Sep-91	23.40	2.37	-0.26	2.38	1.8	0.18
13-Jan-92	34.58	10.80	-2.86	12.55	2.66	0.83
10-Apr-92	25.74	1.02	-1.30	6.40	1.98	0.08
15-Jul-92	23.92	-0.64	-1.69	2.25	1.84	-0.05
01-Oct-92	29.64	6.90	7.15	8.13	2.28	0.53
04-Jan-93	28.73	8.73	-0.91	8.89	2.21	0.67
08-Apr-93	25.61	3.83	1.95	3.83	1.97	0.29
13-Jul-93	23.40	4.49	0.52	5.00	1.8	0.35
08-Oct-93	22.36	6.17	-2.47	6.68	1.72	0.47
13-Jan-94	29.51	5.80	-1.43	6.53	2.27	0.45
11-Apr-94	29.64	3.73	-1.82	6.18	2.28	0.29
11-Jul-94	27.17	6.82	3.12	6.91	2.09	0.52
11-Oct-94	23.53	3.98	1.56	4.80	1.81	0.31
12-Jan-95	23.14	10.37	-2.73	18.05	1.78	0.80
11-Apr-95	23.66	2.84	0.65	3.50	1.82	0.22
11-Jul-95	24.31	3.31	1.30	3.89	1.87	0.25
16-Oct-95	27.17	5.82	0.91	5.93	2.09	0.45
16-Jan-96	27.56	1.56	8.58	2.51	2.12	0.12
11-Apr-96	24.44	10.75	-1.56	11.39	1.88	0.83
16-Jul-96	18.98	1.57	-0.65	5.50	1.46	0.12
10-Oct-96	20.41	3.13	-1.30	7.15	1.57	0.24
07-Jan-97	23.79	1.79	0.78	4.10	1.83	0.14
07-Apr-97	24.31	4.46	3.12	6.90	1.87	0.34
08-Jul-97	20.41	0.28	0.26	3.09	1.57	0.02
Mean	25.00	3.26	0.31	5.02	1.86	0.31
Std. Dev.	3.84	4.19	5.81	4.65	0.44	0.33

* * - * means exposure is less than background site

TABLE 5

INTERNATIONAL URANIUM (USA) CORP.
WHITE MESA MILL
DIRECT RADIATION
MR/QTR

Location: BHV-5, East Tailings Area

Period Ending	Total Exposure Rate	Counting Error	Net Exposure Rate*	Net Error	Total Rate Mr/week	Counting Error Mr/week
03-Feb-87	21.19	1.65	1.82	2.26	1.63	0.13
01-Apr-87	23.14	9.52	-7.80	9.56	1.78	0.73
01-Jul-87	31.33	13.11	6.24	15.02	2.41	1.01
09-Oct-87	20.54	2.23	4.55	2.47	1.58	0.17
14-Jan-88	26.13	-1.22	5.20	1.29	2.01	-0.09
19-Apr-88	27.30	3.82	3.12	4.58	2.10	0.29
15-Jul-88	29.64	2.07	4.81	4.30	2.28	0.16
11-Oct-88	23.53	1.51	3.12	1.52	1.81	0.12
19-Jan-89	25.74	6.21	1.43	7.73	1.98	0.48
08-May-89	32.11	4.91	1.95	6.60	2.47	0.38
21-Jul-89	31.98	0.93	5.72	1.96	2.46	0.07
30-Oct-89	27.04	6.88	4.29	10.84	2.08	0.53
18-Jan-90	28.08	4.03	5.59	7.17	2.16	0.31
19-Apr-90	27.69	2.62	4.29	4.00	2.13	0.20
16-Jul-90	25.35	2.35	1.04	3.32	1.95	0.18
01-Oct-90	25.87	1.85	3.64	1.85	1.99	0.14
02-Jan-91	27.69	9.94	-4.68	13.64	2.13	0.76
01-Apr-91	26.13	1.15	2.34	4.50	2.01	0.09
01-Jul-91	27.04	0.42	-4.55	1.62	2.08	0.03
30-Sep-91	26.00	2.97	2.34	2.97	2.00	0.23
13-Jan-92	37.18	9.20	-0.26	11.21	2.86	0.71
10-Apr-92	29.90	10.52	2.86	12.27	2.30	0.81
15-Jul-92	27.04	3.56	1.43	4.16	2.08	0.27
01-Oct-92	28.99	3.60	6.50	5.61	2.23	0.28
04-Jan-93	34.32	8.93	4.68	9.08	2.64	0.69
08-Apr-93	25.09	2.23	1.43	2.24	1.93	0.17
13-Jul-93	28.47	5.29	5.59	5.73	2.19	0.41
08-Oct-93	29.25	7.87	4.42	8.28	2.25	0.61
13-Jan-94	35.75	7.60	4.81	8.17	2.75	0.58
11-Apr-94	30.42	13.13	-1.04	14.03	2.34	1.01
11-Jul-94	30.42	1.12	6.37	1.58	2.34	0.09
11-Oct-94	28.34	4.58	6.37	5.31	2.18	0.35
12-Jan-95	20.02	14.87	-5.85	20.96	1.54	1.14
11-Apr-95	26.78	3.74	3.77	4.26	2.06	0.29
11-Jul-95	25.35	11.21	2.34	11.39	1.95	0.86
16-Oct-95	28.86	7.92	2.60	8.00	2.22	0.61
16-Jan-96	23.66	10.46	4.68	10.64	1.82	0.80
11-Apr-96	28.99	6.45	2.99	7.46	2.23	0.50
16-Jul-96	22.62	0.01	2.99	5.27	1.74	0.00
10-Oct-96	24.70	7.03	2.99	9.53	1.90	0.54
07-Jan-97	20.80	4.29	-2.21	5.66	1.60	0.33
07-Apr-97	24.31	4.46	3.12	6.90	1.87	0.34
08-Jul-97	23.01	6.68	2.86	7.36	1.77	0.51
Mean	26.45	4.15	2.12	5.53	2.00	0.39
Std. Dev.	4.02	4.00	4.83	4.60	0.40	0.30

* - " means exposure is less than background site

TABLE 6

INTERNATIONAL URANIUM (USA) CORP.
WHITE MESA MILL
DIRECT RADIATION
MR/QTR

Location: BHV-2 VERSUS BHV-6, DUPLICATION

Period Ending	Total Exposure Rate	Counting Error	Net Exposure Rate*	Net Error	Total Rate Mr/week	Counting Error Mr/week
16-Jul-90	24.83	0.55	0.52	0.55	1.91	0.04
01-Oct-90	17.68	23.75	-4.55	23.75	1.36	1.83
02-Jan-91	29.51	1.74	7.28	1.74	2.27	0.13
01-Apr-91	25.48	6.75	-6.89	6.75	1.96	0.52
01-Jul-91	26.91	4.92	3.12	4.92	2.07	0.38
30-Sep-91	23.27	2.97	3.12	2.97	1.79	0.23
13-Jan-92	36.14	7.50	15.99	7.50	2.78	0.58
10-Apr-92	23.79	4.82	3.64	4.82	1.83	0.37
15-Jul-92	24.57	3.86	4.42	3.86	1.89	0.30
01-Oct-92	22.88	7.50	2.73	7.50	1.76	0.58
04-Jan-93	29.64	8.33	9.49	8.33	2.28	0.64
08-Apr-93	28.73	3.03	5.85	4.32	2.21	0.23
13-Jul-93	20.93	1.39	-3.90	1.39	1.61	0.11
08-Oct-93	25.48	2.77	-5.46	3.95	1.96	0.21
13-Jan-94	31.46	5.90	0.00	6.74	2.42	0.45
11-Apr-94	34.58	15.63	10.53	15.63	2.66	1.20
11-Jul-94	26.13	7.82	4.16	7.82	2.01	0.60
11-Oct-94	25.09	7.68	-0.78	7.68	1.93	0.59
12-Jan-95	28.08	4.77	5.07	4.77	2.16	0.37
11-Apr-95	23.66	6.94	3.51	6.94	1.82	0.53
11-Jul-95	23.66	4.91	3.51	4.91	1.82	0.38
16-Oct-95	26.13	8.22	5.98	8.22	2.01	0.63
16-Jan-96	18.33	4.96	-1.82	4.96	1.41	0.38
11-Apr-96	24.31	10.35	4.16	10.35	1.87	0.80
16-Jul-96	18.46	1.47	-1.69	1.47	1.42	0.11
10-Oct-96	20.54	6.93	0.39	6.93	1.58	0.53
07-Jan-97	22.88	1.69	2.73	1.69	1.76	0.13
07-Apr-97	16.12	1.68	-4.03	1.68	1.24	0.13
08-Jul-97	16.12	1.68	16.12	1.68	1.24	0.13

* * - " means exposure is less than background

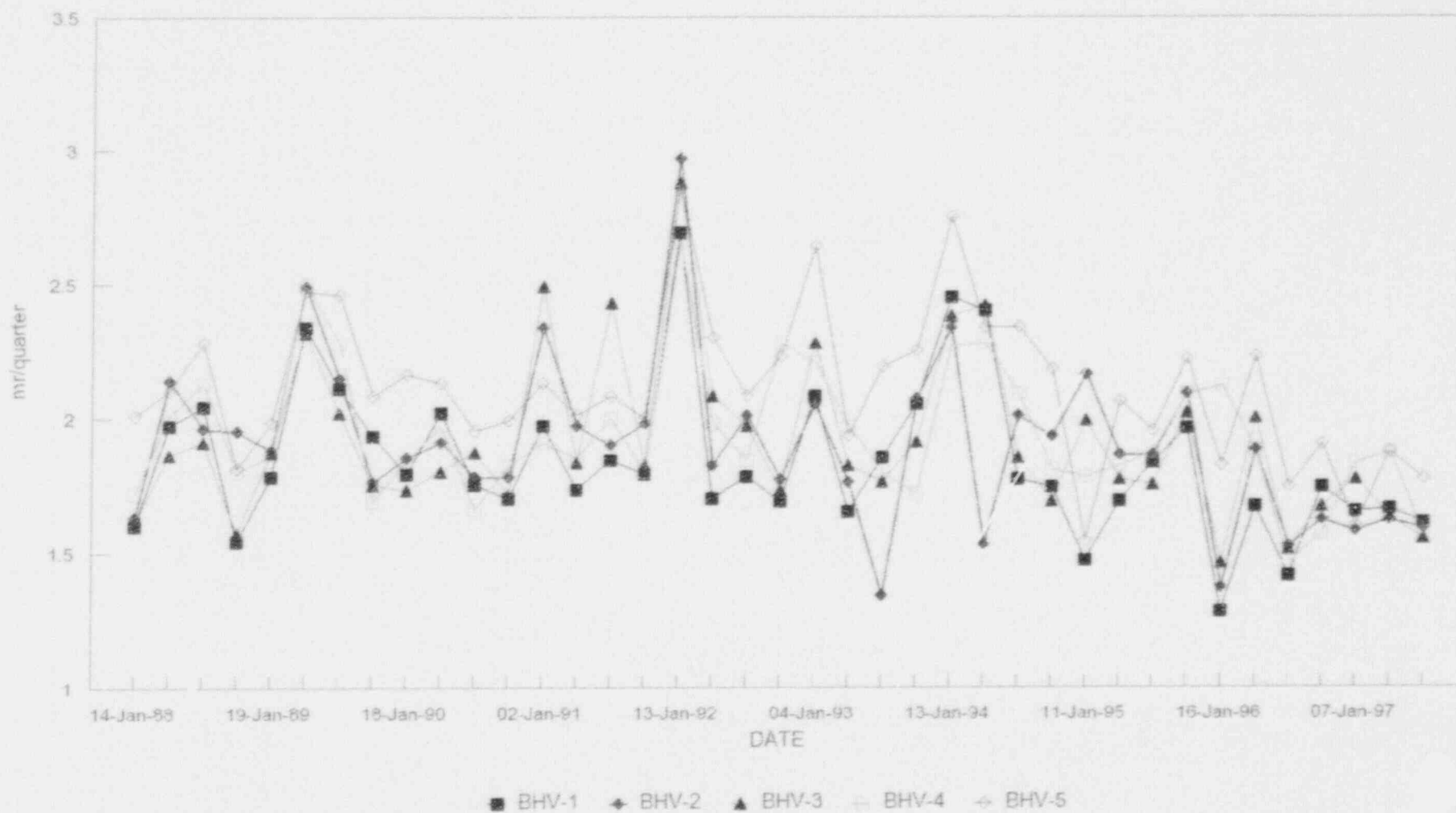
Regression Output:

Constant	0.749
Std Err of Y Est	0.243
R Squared	0.47
No. of Observations	29
Degrees of Freedom	27

X Coefficient(s)	0.595
Std Err of Coef.	0.121

INTERNATIONAL URANIUM CORP.

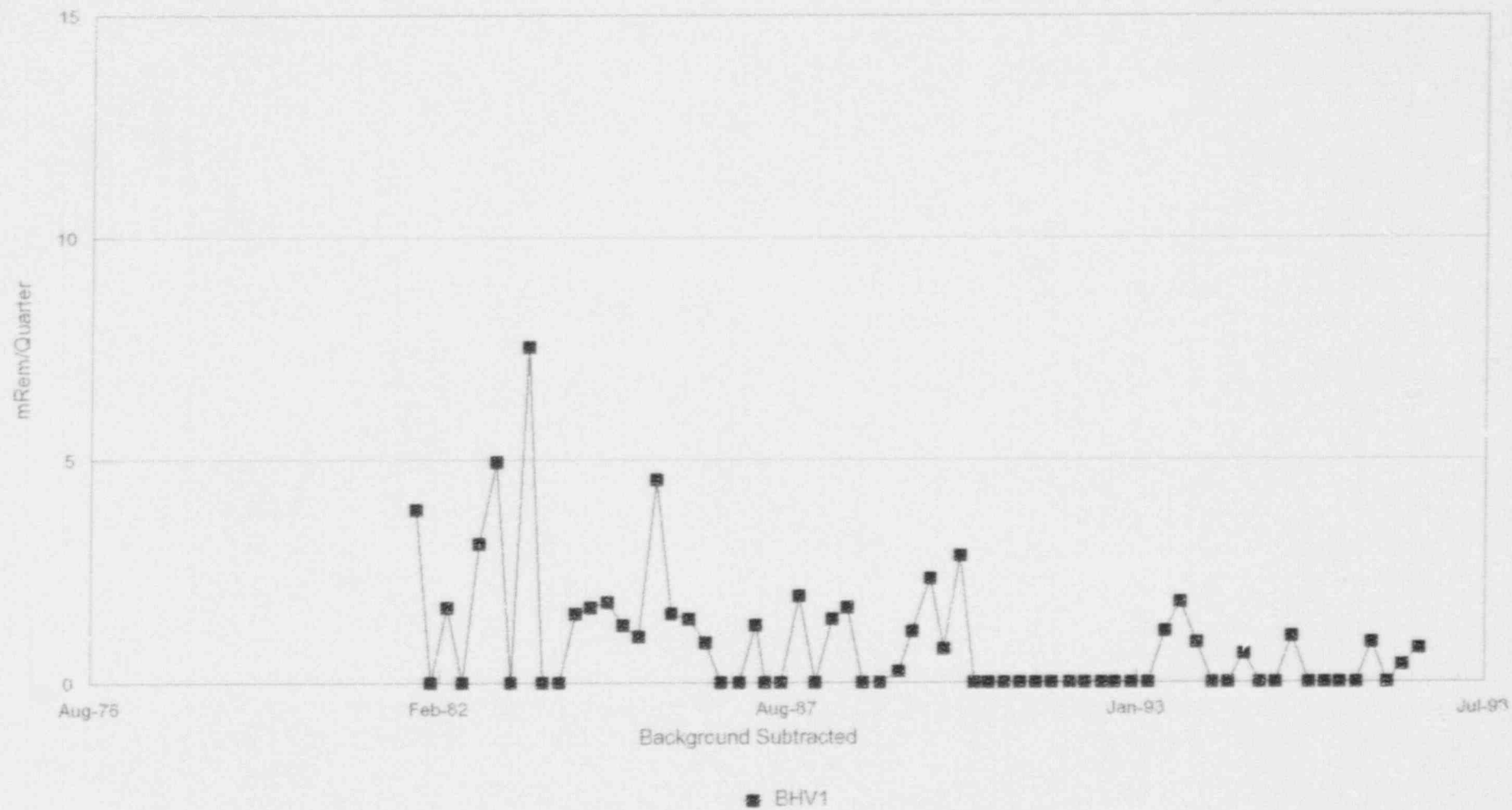
Ambient Gamma Levels



GRAPH 1

INTERNATIONAL URANIUM CORP.

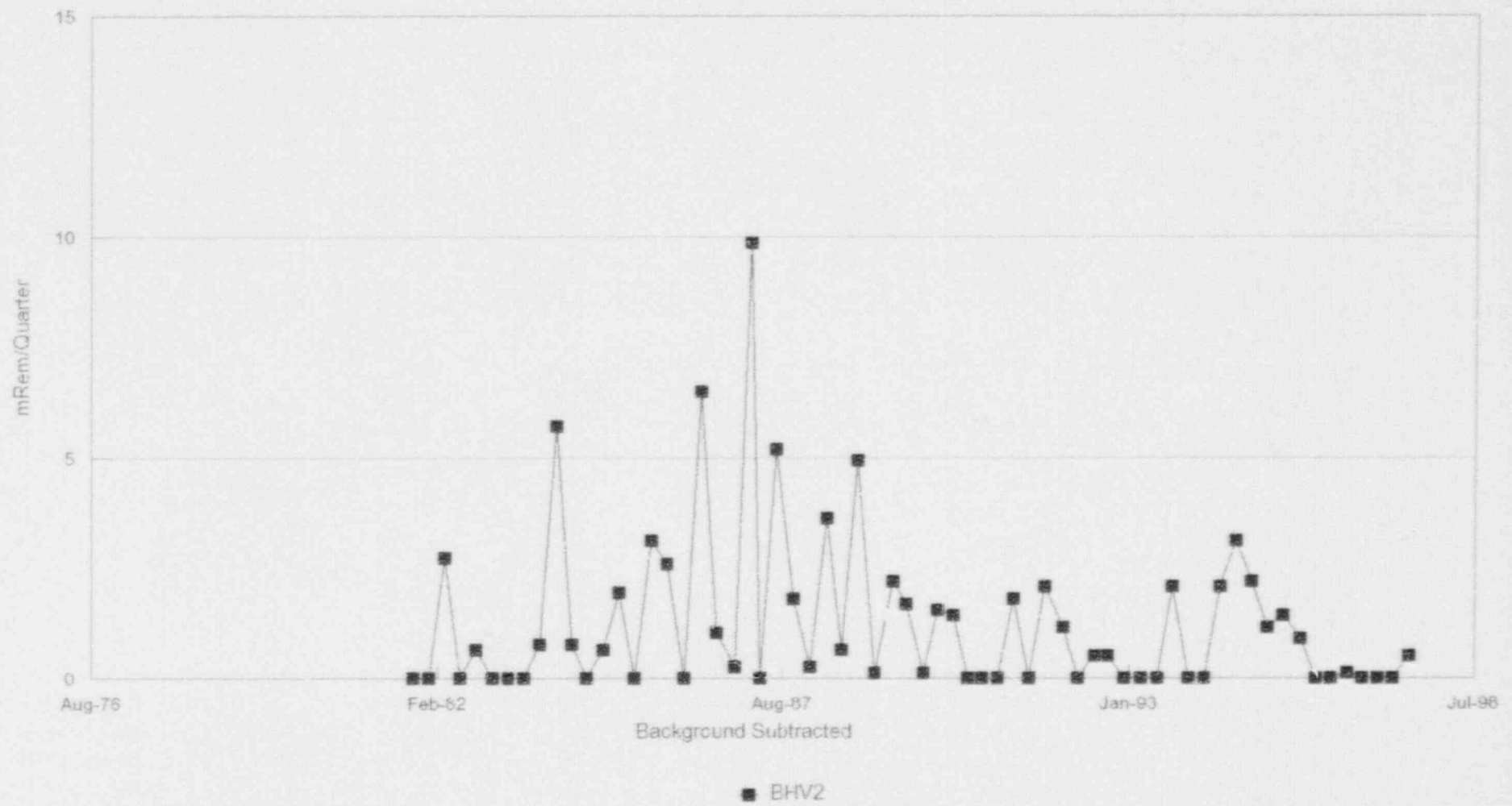
Ambient Gamma Levels



GRAPH 2

INTERNATIONAL URANIUM CORP.

Ambient Gamma Levels



GRAPH 3

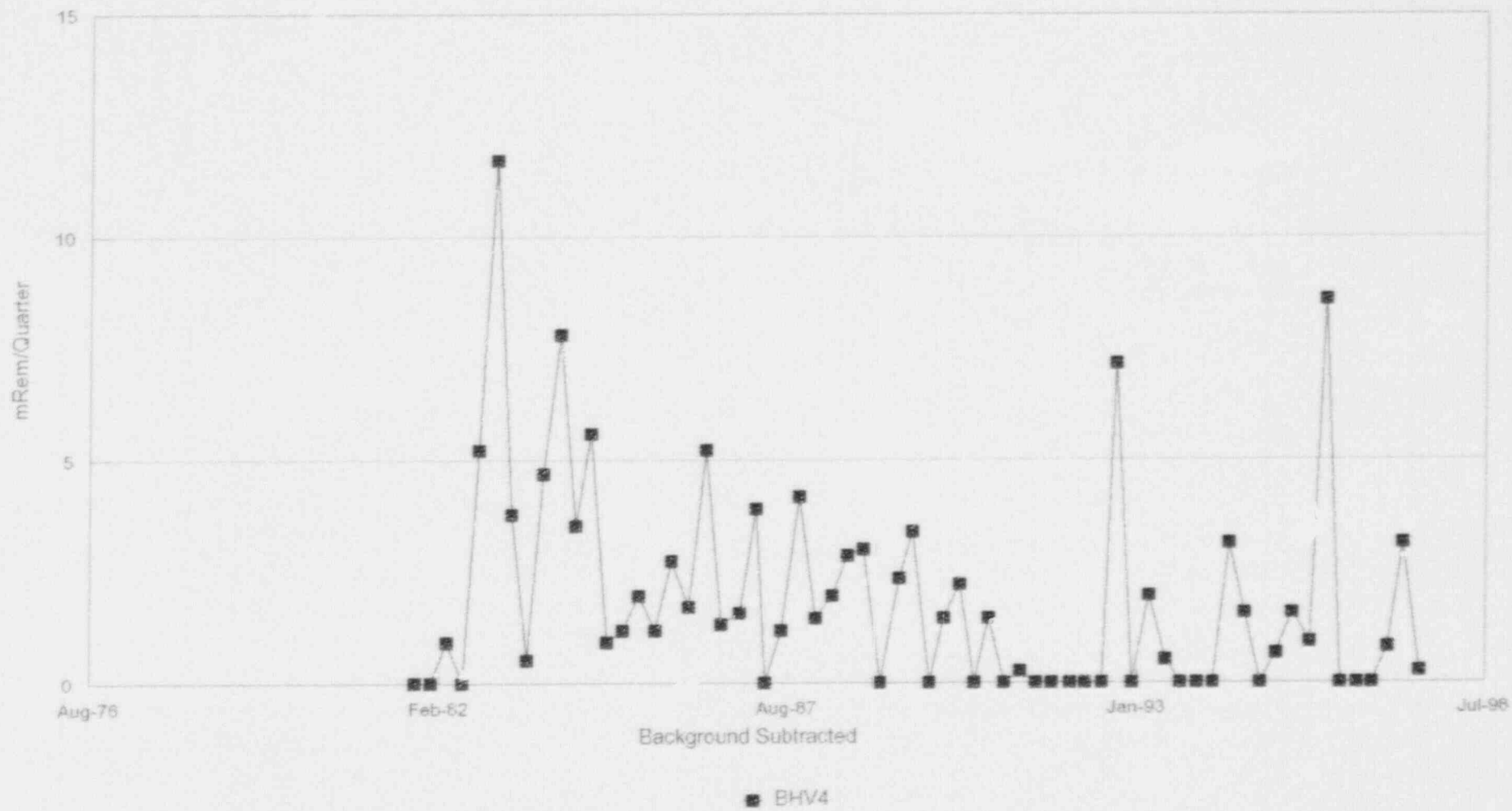
Ambient Gamma Levels



GRAPH 4

INTERNATIONAL URANIUM CORP.

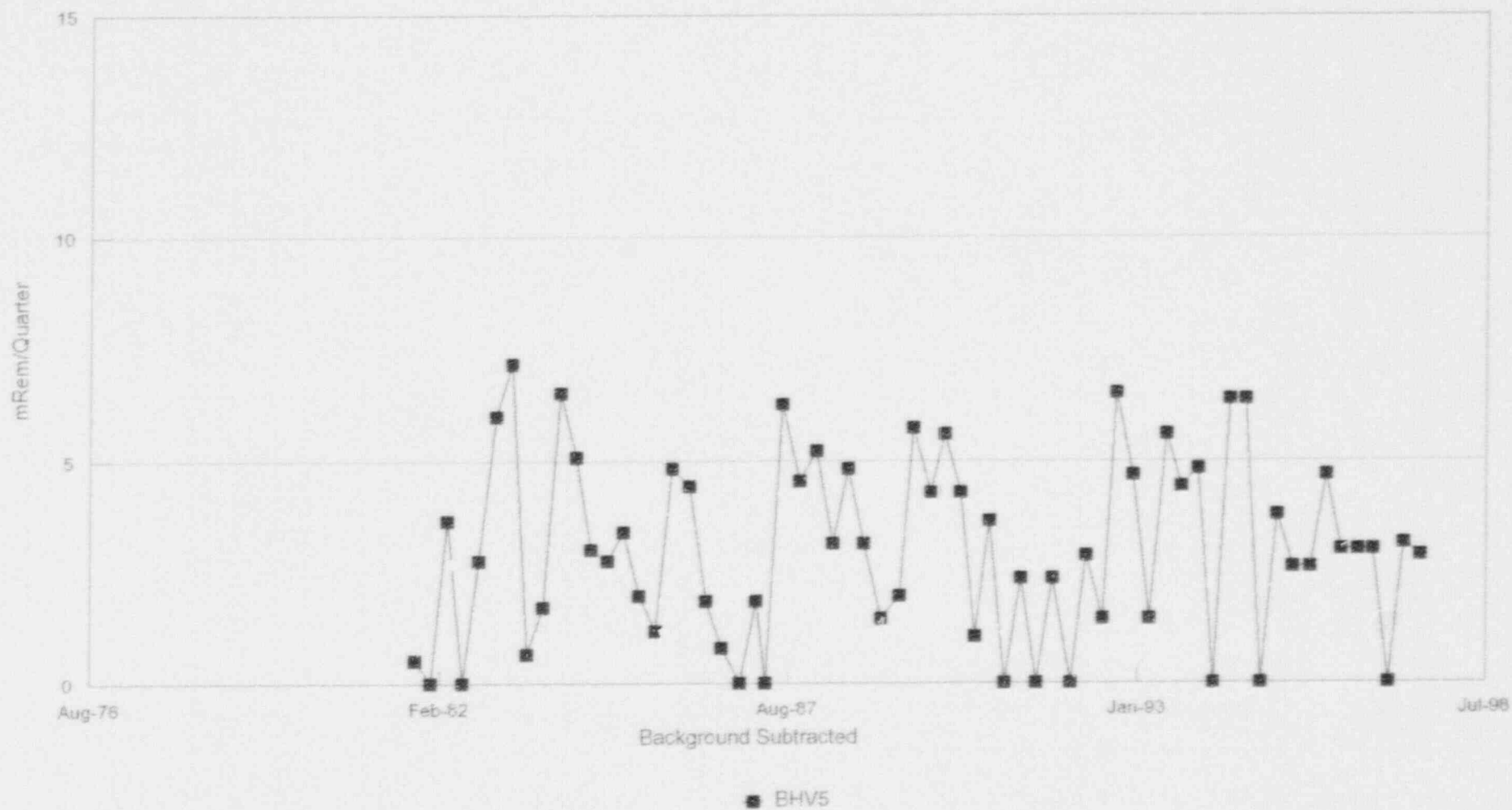
Ambient Gamma Levels



GRAPH 5

INTERNATIONAL URANIUM CORP.

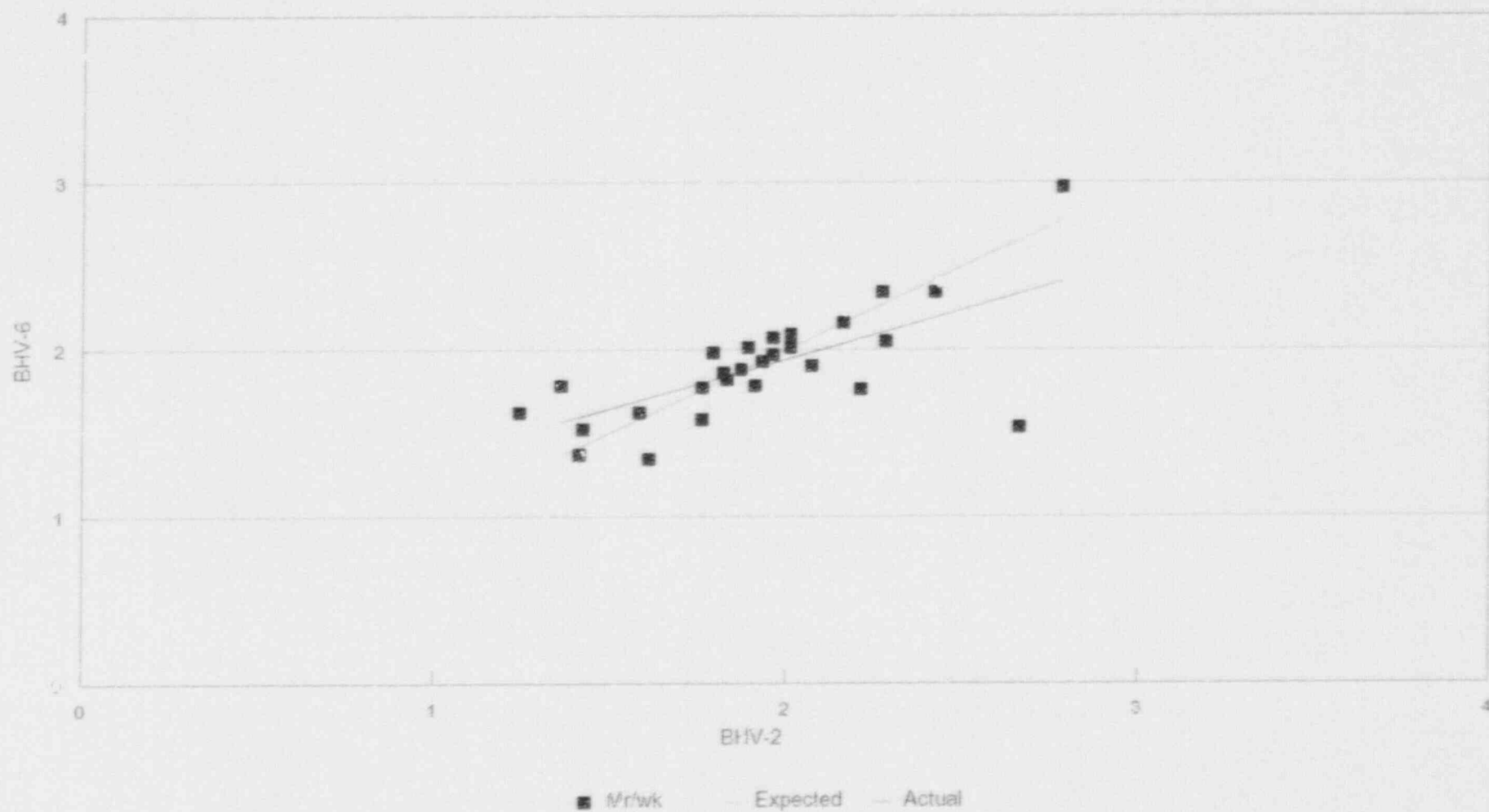
Ambient Gamma Levels



GRAPH 6

INTERNATIONAL URANIUM CORP.

Comparison of Duplicate Gamma Values



GRAPH 7

TABLE 7

INTERNATIONAL URANIUM CORP.
WHITE MESA MILL
FORAGE RADIONUCLIDE DATA
NORTH EAST OF MILL

SAMPLED DATE	Ra-226 VALUE uCi/Kg	Ra-226 ERROR uCi/Kg	LLD uCi/Kg 5.00E-08	Pb-210 VALUE uCi/Kg	Pb-210 ERROR uCi/Kg	LLD uCi/Kg 1.00E-06
19-Apr-88	4.50E-04	7.0E-05	5.0E-08	1.40E-03	1.0E-04	1.0E-06
28-Jul-88	3.20E-05	2.2E-05	5.0E-08	1.50E-03	4.4E-04	1.0E-06
07-Apr-89	5.60E-04	4.0E-05	***	1.10E-03	1.0E-01	***
06-Jun-89	1.50E-04	2.0E-05	***	2.30E-04	2.0E-05	***
07-Nov-89	6.00E-04	5.0E-05	7.0E-06	2.04E-03	7.0E-05	1.4E-05
17-Apr-90	2.60E-04	3.0E-05	4.0E-06	3.30E-04	2.0E-05	2.2E-05
20-Jun-90	1.80E-04	2.0E-05	5.0E-08	3.20E-04	2.0E-05	1.0E-06
17-Oct-90	1.60E-04	2.0E-05	5.0E-08	3.30E-04	2.0E-05	1.0E-06
10-Apr-91	1.20E-04	2.0E-05	5.0E-06	3.00E-04	2.0E-05	1.0E-06
11-Jun-91	9.10E-05	1.6E-05	2.0E-07	1.90E-04	2.0E-05	2.0E-07
20-Nov-91	4.50E-04	4.0E-05	5.0E-08	1.09E-03	5.0E-05	1.0E-06
22-Apr-92	3.60E-05	1.0E-05	2.0E-06	1.50E-04	2.0E-05	1.0E-05
10-Jun-92	1.00E-05	7.0E-06	2.0E-07	7.50E-05	2.0E-05	1.0E-06
10-Jun-92	7.90E-05	3.5E-05	3.0E-06	7.10E-04	7.0E-05	2.0E-05
13-Apr-93	3.70E-05	2.2E-05	3.0E-06	2.80E-04	3.0E-05	2.0E-05
26-Jun-93	3.00E-05	1.5E-05	3.0E-06	4.30E-05	3.5E-05	2.0E-05
12-Oct-93	6.60E-05	2.7E-05	3.0E-06	5.30E-04	6.0E-05	2.0E-05
11-May-94	1.80E-04	4.0E-05	3.0E-05	4.40E-04	6.0E-05	2.0E-04
19-Jul-94	1.71E-05	1.2E-06	9.0E-08	3.00E-05	6.1E-06	4.5E-06
28-Nov-94	2.40E-04	1.5E-05	1.7E-07	1.70E-04	1.1E-05	8.3E-07
11-Apr-95	6.70E-05	5.4E-06	1.6E-07	1.40E-04	1.3E-05	7.9E-07
06-Jul-95	1.50E-05	1.5E-06	1.5E-07	5.10E-05	4.5E-03	7.6E-07
15-Nov-95	5.50E-05	5.0E-06	1.8E-07	6.70E-05	1.0E-05	8.8E-07
23-Apr-96	5.20E-05	2.5E-06	1.5E-07	3.20E-05	4.5E-06	1.8E-07
31-Jul-96	*	*	*	*	*	*
14-Nov-96	3.00E-05	2.5E-06	1.8E-07	1.40E-04	7.1E-06	9.3E-07
21-Apr-97	1.10E-05	4.7E-07	1.2E-07	4.10E-05	3.6E-06	6.1E-07

# OBSERVED	45	45	45	45	45	45
MINIMUM	2.67E-06	4.7E-07	2.00E-09	3.00E-05	3.6E-06	4.00E-08
MAXIMUM	1.05E-03	2.0E-04	3.00E-05	7.02E-03	1.0E-01	2.00E-04
MEAN	2.26E-04	2.4E-05	2.05E-06	8.88E-04	2.3E-03	2.34E-05
STD. DEV.	2.41E-04	3.1E-05	4.60E-06	1.33E-03	1.5E-02	5.14E-05

*2nd quarter 1996 we were declared a disaster due to drought and no samples were taken

TABLE 8

INTERNATIONAL URANIUM CORP.
WHITE MESA MILL
FORAGE RADIONUCLIDE DATA
NORTH WEST OF MILL

SAMPLED DATE	Ra-226 VALUE uCi/Kg	Ra-226 ERROR uCi/Kg	LLD uCi/Kg 5.00E-08	Pb-210 VALUE uCi/Kg	Pb-210 ERROR uCi/Kg	LLD uCi/Kg 1.00E-06
19-Apr-88	2.60E-04	5.0E-05	5.0E-08	1.90E-03	1.0E-04	1.0E-06
28-Jul-88	3.10E-05	1.9E-05	5.0E-08	1.60E-04	4.0E-05	1.0E-06
07-Apr-89	6.20E-04	5.0E-05	***	1.70E-03	1.0E-04	***
06-Jun-89	3.40E-04	3.0E-05	***	7.40E-04	3.0E-05	***
07-Nov-89	5.10E-04	6.0E-05	7.0E-06	1.00E-03	7.0E-05	1.4E-05
18-Apr-90	3.60E-04	3.0E-05	4.0E-06	4.80E-04	2.0E-05	2.2E-05
26-Jun-90	1.70E-04	2.0E-05	5.0E-08	3.20E-04	2.0E-05	1.0E-06
22-Oct-90	8.80E-05	1.6E-05	5.0E-08	2.90E-04	2.0E-05	1.0E-06
10-Apr-91	3.00E-04	3.0E-05	5.0E-06	4.10E-04	2.0E-05	1.0E-06
11-Jun-91	3.10E-04	3.0E-05	2.0E-07	4.70E-04	2.0E-05	2.0E-07
20-Nov-91	5.00E-04	4.0E-05	5.0E-08	1.50E-03	1.0E-04	1.0E-06
22-Apr-92	2.00E-05	8.0E-06	2.0E-06	9.60E-05	1.4E-05	1.0E-05
10-Jun-92	6.50E-06	6.0E-06	2.0E-06	1.20E-04	2.0E-05	1.0E-06
08-Dec-92	1.20E-04	4.0E-05	3.0E-06	1.21E-03	8.0E-05	2.0E-05
13-Apr-93	1.80E-05	1.7E-05	3.0E-06	2.10E-04	3.0E-05	2.0E-05
26-Jun-93	5.20E-05	1.9E-05	3.0E-06	1.70E-05	3.6E-05	2.0E-05
21-Oct-93	5.10E-05	2.3E-05	3.0E-06	7.10E-04	6.0E-05	2.0E-05
11-Mar-94	1.20E-04	1.0E-05	3.0E-05	9.80E-04	1.6E-04	2.0E-04
19-Jul-94	3.73E-05	1.6E-06	8.4E-08	7.80E-05	7.1E-06	4.2E-07
16-Nov-94	2.40E-04	1.5E-05	1.7E-07	2.60E-04	1.3E-05	8.3E-07
12-Apr-95	8.40E-05	6.1E-06	1.5E-07	1.20E-04	1.1E-05	7.5E-05
06-Jul-95	1.90E-05	1.5E-06	1.4E-07	4.50E-05	4.3E-06	7.2E-07
29-Nov-95	1.20E-04	6.8E-06	1.4E-07	1.00E-05	5.8E-06	7.1E-07
22-Apr-96	8.30E-05	3.3E-06	1.9E-07	6.80E-05	6.3E-06	1.8E-07
31-Jul-96	*	*	*	*	*	*
14-Nov-96	3.60E-05	2.5E-06	1.6E-07	8.50E-05	5.6E-06	8.4E-07
21-Apr-97	3.30E-05	2.3E-06	1.7E-07	4.40E-05	4.8E-06	8.4E-07

# OBSERVED	45	45	45	45	45	45
MINIMUM	2.36E-06	9.5E-07	3.00E-09	1.00E-05	4.3E-06	3.00E-08
MAXIMUM	2.73E-03	1.6E-04	3.00E-05	7.10E-03	3.4E-04	3.00E-04
MEAN	2.66E-04	2.6E-05	2.09E-06	1.01E-03	6.5E-05	2.31E-05
STD. DEV.	4.20E-04	3.1E-05	4.61E-06	1.39E-03	7.4E-05	5.33E-05

*2nd quarter of 1996 we were declared a disaster area due to drought, no samples were taken

TABLE 9

INTERNATIONAL URANIUM CORP.
WHITE MESA MILL
FORAGE RADIONUCLIDE DATA
SOUTH WEST OF MILL

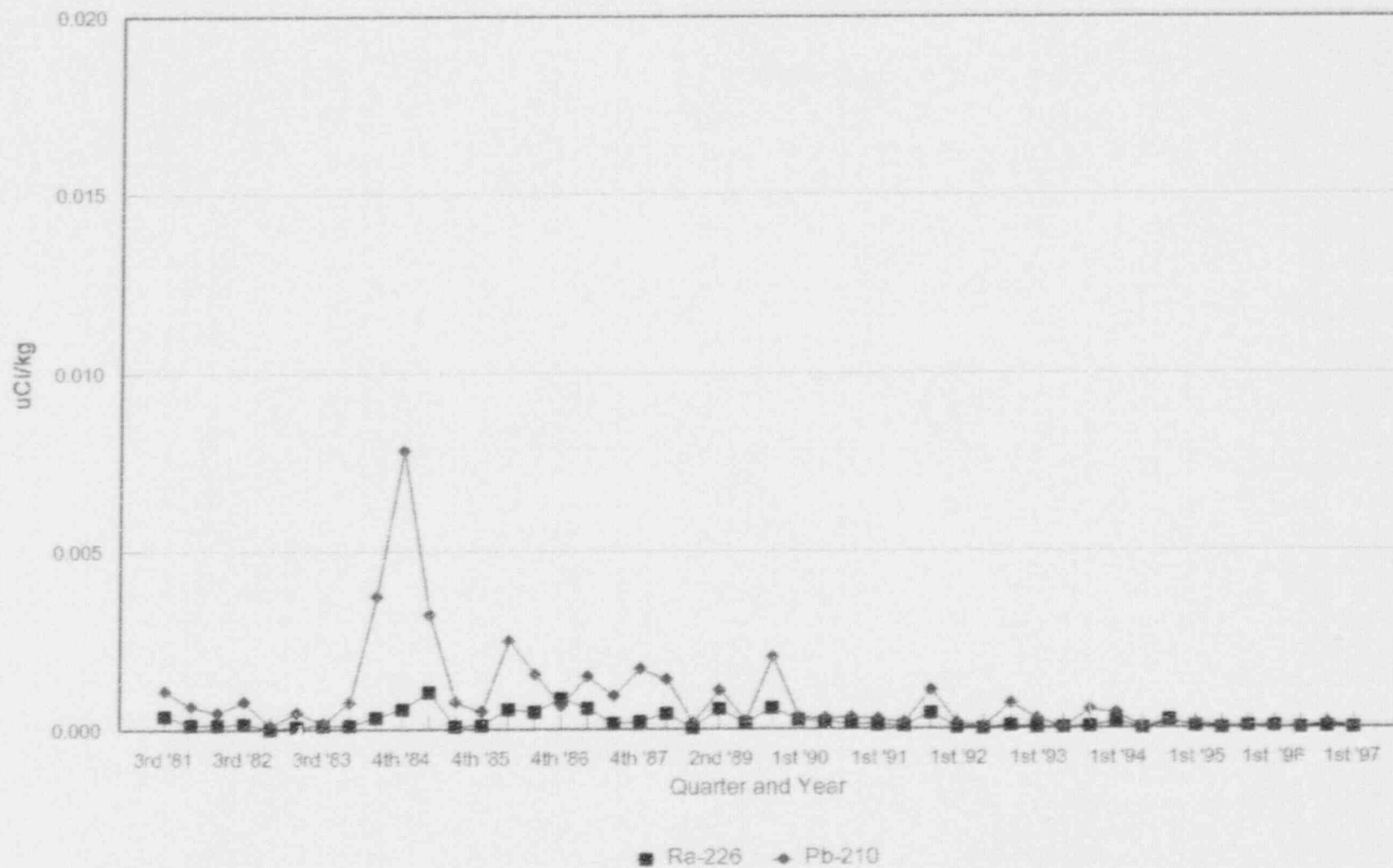
SAMPLED DATE	Ra-226 VALUE uCi/Kg	Ra-226 ERROR uCi/Kg	LLD uCi/Kg 5.00E-08	Pb-210 VALUE uCi/Kg	Pb-210 ERROR uCi/Kg	LLD uCi/Kg 1.00E-06
19-Apr-88	2.30E-04	5.0E-05	5.0E-08	2.90E-03	1.0E-04	1.0E-06
28-Jul-88	1.50E-04	3.0E-05	5.0E-08	4.30E-03	2.0E-04	1.0E-06
07-Apr-89	3.10E-04	4.0E-05	***	4.20E-03	1.0E-04	***
06-Jun-89	1.30E-04	2.0E-05	***	1.50E-03	1.0E-04	***
07-Nov-89	4.30E-04	5.0E-05	1.4E-05	3.50E-03	1.4E-04	2.7E-05
28-Mar-90	2.50E-04	3.0E-05	5.0E-06	2.39E-03	5.0E-05	2.5E-05
13-Jun-90	1.10E-04	2.0E-05	5.0E-08	6.60E-04	3.0E-05	1.0E-06
23-Oct-90	6.10E-05	1.4E-05	5.0E-08	6.10E-04	3.0E-05	1.0E-06
10-Apr-91	3.40E-05	1.1E-05	5.0E-06	2.20E-04	1.0E-05	1.0E-06
11-Jun-91	8.00E-05	6.0E-06	2.0E-07	1.20E-04	1.0E-05	2.0E-07
20-Nov-91	6.50E-05	1.4E-05	5.0E-08	9.10E-04	5.0E-05	1.0E-06
22-Apr-92	1.60E-05	7.0E-06	2.0E-06	3.20E-04	2.0E-05	1.0E-05
10-Jun-92	1.90E-05	1.0E-05	2.0E-07	2.20E-04	2.0E-05	1.0E-06
08-Dec-92	1.60E-05	1.8E-05	3.0E-06	7.60E-04	6.0E-05	2.0E-05
13-Apr-93	2.60E-05	2.0E-05	3.0E-06	3.40E-04	3.0E-05	2.0E-05
27-Jun-93	3.00E-05	1.4E-05	3.0E-06	0.00E+00	3.0E-05	2.0E-05
27-Oct-93	3.10E-05	1.6E-05	3.0E-06	4.20E-04	6.0E-05	2.0E-05
01-May-94	2.00E-05	5.0E-06	3.0E-05	3.90E-04	8.0E-05	2.0E-04
19-Jul-94	1.75E-05	1.7E-06	7.6E-08	1.30E-04	7.8E-06	3.8E-07
16-Nov-94	1.00E-04	9.0E-06	1.5E-07	2.60E-04	1.2E-05	7.4E-07
05-Apr-95	1.70E-05	1.5E-06	1.6E-07	1.60E-04	1.5E-05	8.1E-07
07-Jul-95	6.40E-06	6.0E-07	1.4E-07	4.40E-05	4.2E-06	7.0E-07
09-Nov-95	2.30E-05	2.2E-06	1.7E-07	6.60E-05	9.6E-06	8.3E-07
24-Apr-96	4.20E-05	2.2E-06	1.7E-07	1.00E-04	6.7E-06	1.8E-07
31-Jul-96	*	*	*	*	*	*
14-Nov-96	2.1E-05	2E-06	1.6E-07	1.9E-04	7.3E-06	8.2E-07
21-Apr-97	5.5E-06	4E-07	1.4E-07	3.3E-05	3.9E-06	7.0E-07

# OBSERVED	45	45	45	45	45	45
MINIMUM	5.50E-06	1.60E-07	0.00E+00	0.00E+00	3.90E-06	0.00E+00
MAXIMUM	9.50E-04	1.48E-04	3.00E-05	1.65E-02	7.20E-04	3.00E-04
MEAN	1.62E-04	1.98E-05	2.30E-06	1.58E-03	9.31E-05	2.58E-05
STD. DEV.	1.99E-04	2.6E-05	4.99E-06	2.66E-03	1.5E-04	5.60E-05

*2nd quarter of 1996 we were declared a disaster area due to drought, no samples were taken

INTERNATIONAL URANIUM CORP.

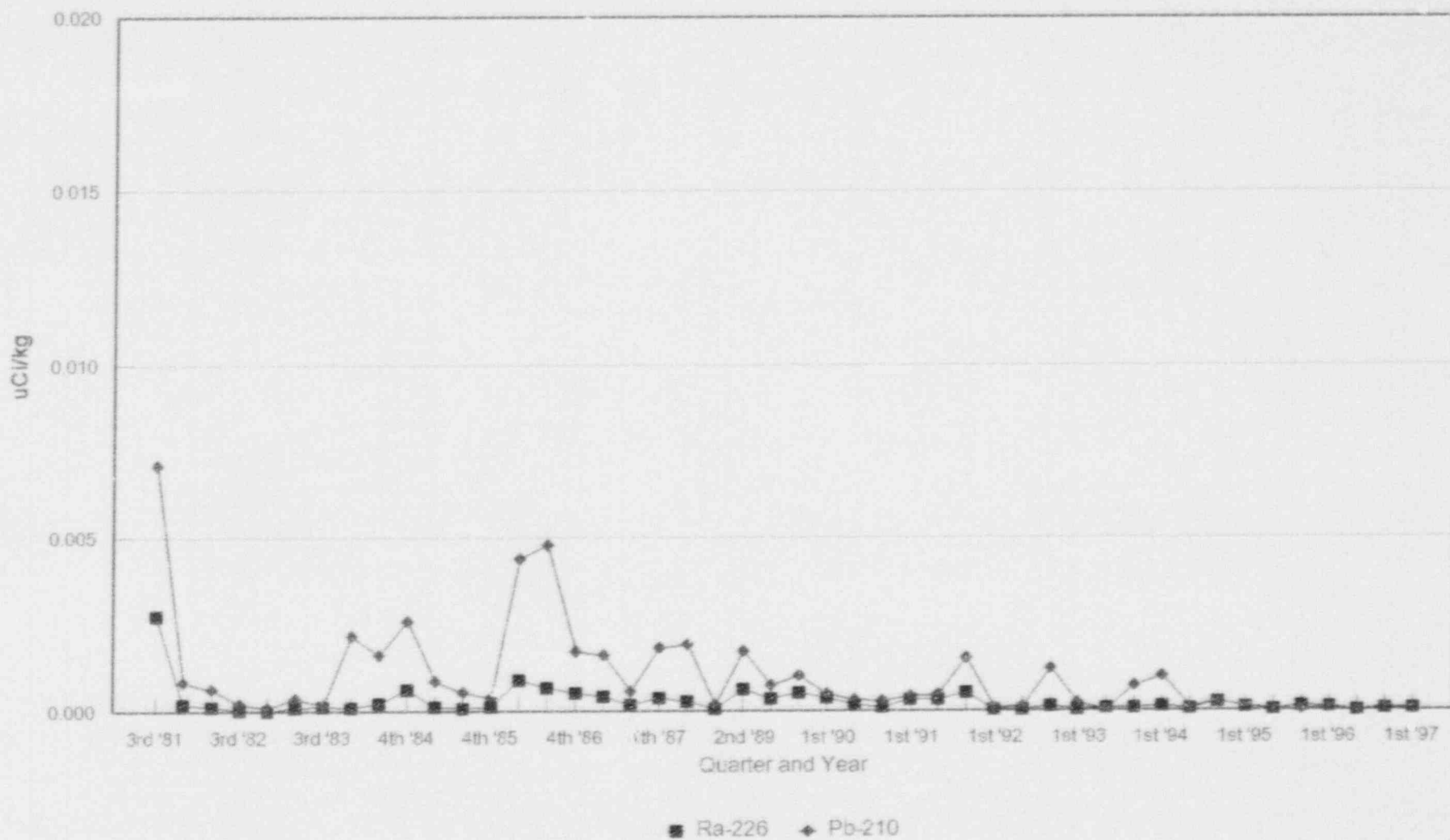
Forage Radionuclide- North East of Mill



GRAPH 8

INTERNATIONAL URANIUM CORP.

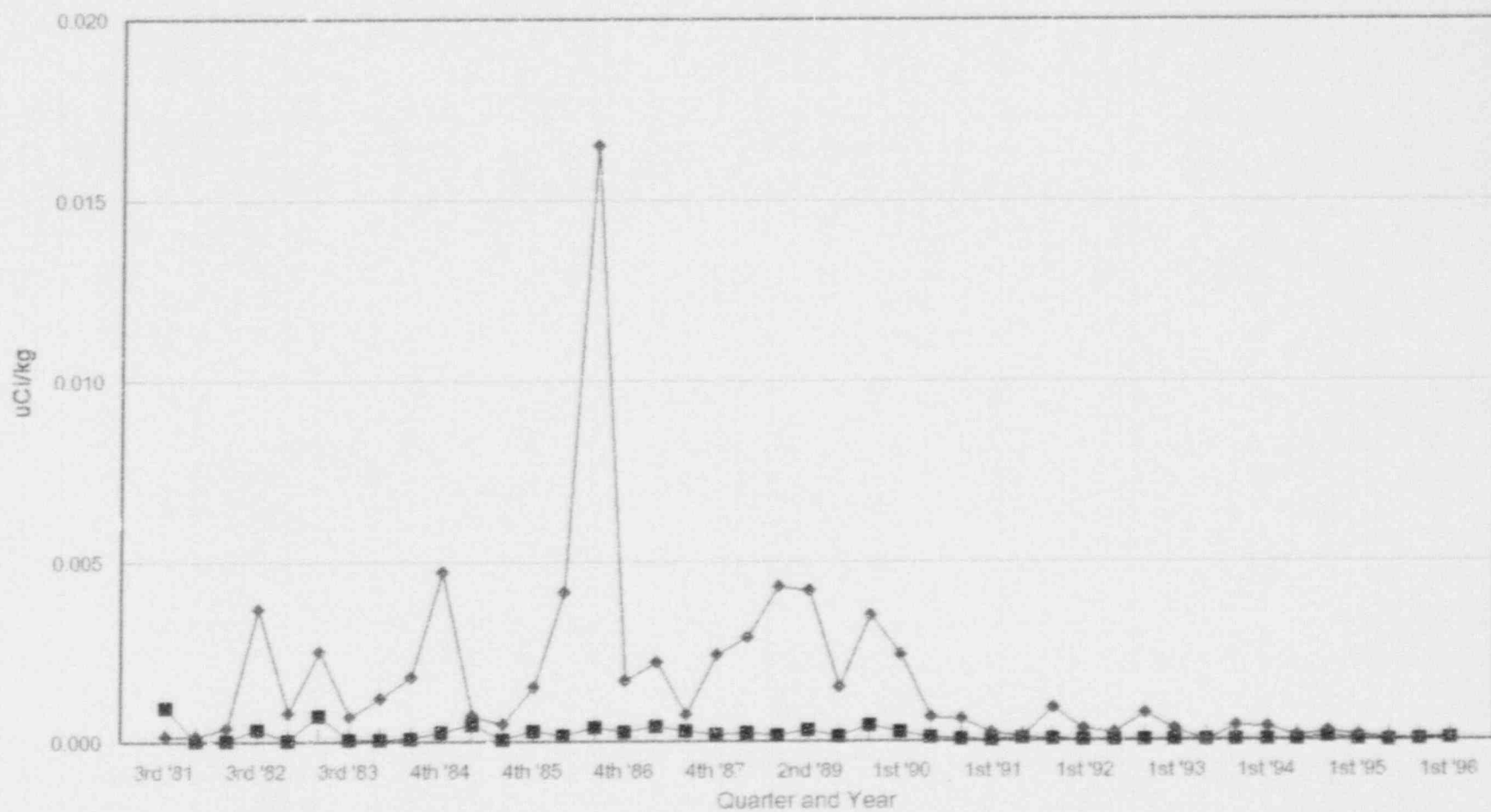
Forage Radionuclide- North West of Mill



GRAPH 9

INTERNATIONAL URANIUM CORP.

Forage Radionuclide- South West of Mill



■ Ra-226 ♦ Pb-210

GRAPH 10

TABLE 10
INTERNATIONAL URANIUM CORPORATION
WHITE MESA MILL
AMBIENT AIR RADIONUCLIDE PARTICULATES
 $\mu\text{Ci/ml}$
Location BHV-1

Current Quarter	1st	2nd	3rd	4th
% time operated	95.0%	86.6%		
Air Volume, SCF x 1e6	4.32	3.60		

PERIOD ENDING	URANIUM NAT.				THORIUM-230				RADIUM-226				LEAD-210			
	GROSS CONC	LLD (1E-16)	% MPC*		GROSS CONC	COUNTING ERROR	LLD (1E-16)	% MPC*	GROSS CONC	COUNTING ERROR	LLD (1E-16)	% MPC*	GROSS CONC	COUNTING ERROR	LLD (2E-15)	% MPC*
13-Feb-89	1.99E-15	4E-17	3.98E-02		5.73E-16	7.88E-17	1E-16	1.91E-01	5.99E-16	3.49E-17	2E-16	3.00E-02	3.23E-14	2.56E-16	5E-16	4.04E-01
15-May-89	1.70E-15	7E-18	3.40E-02		6.32E-16	7.00E-17	7E-18	2.11E-01	5.86E-16	5.00E-17	7E-18	2.93E-02	6.16E-15	1.00E-16	3E-17	7.70E-02
14-Aug-89	2.31E-15	2E-18	4.62E-02		2.31E-16	3.00E-17	8E-18	7.70E-02	1.77E-16	5.00E-17	9E-18	8.85E-03	7.65E-15	1.00E-16	4E-17	9.56E-02
13-Nov-89	4.72E-15	2E-17	9.44E-02		1.71E-16	2.00E-16	3E-18	5.70E-01	1.52E-15	2.00E-16	6E-18	7.61E-02	1.89E-14	3.00E-16	2E-17	2.37E-01
12-Feb-90	3.44E-16	3E-18	6.88E-03		8.39E-16	1.00E-16	6E-18	2.80E-01	8.31E-16	8.00E-17	2E-17	4.16E-02	2.57E-14	3.00E-16	5E-17	3.21E-01
14-May-90	3.03E-15	1E-16	6.06E-02		1.47E-15	2.00E-16	1E-16	4.90E-01	1.04E-15	1.00E-15	1E-16	5.20E-02	1.79E-14	3.00E-16	2E-16	2.24E-01
13-Aug-90	1.64E-15	1E-16	3.28E-02		1.49E-15	7.00E-17	1E-16	4.97E-01	3.34E-16	5.00E-17	1E-16	1.67E-02	8.27E-15	2.00E-16	2E-16	1.03E-01
12-Nov-90	1.48E-15	1E-16	2.96E-02		7.50E-16	1.10E-16	1E-16	2.50E-01	5.80E-16	7.00E-17	1E-16	2.90E-02	2.16E-14	4.00E-16	2E-16	2.70E-01
11-Feb-91	1.90E-16	1E-16	3.80E-03		3.48E-17	2.10E-17	1E-16	1.16E-02	7.91E-17	2.30E-17	1E-16	3.96E-03	3.79E-14	1.00E-15	2E-16	4.74E-01
13-May-91	3.42E-16	1E-16	6.84E-03		1.34E-15	1.00E-16	1E-16	4.47E-01	7.39E-16	9.00E-17	1E-16	3.70E-02	1.46E-14	1.00E-15	2E-15	1.83E-01
12-Aug-91	2.77E-16	1E-16	5.54E-03		4.17E-17	6.00E-18	1E-16	1.39E-02	1.45E-16	7.00E-17	1E-16	7.25E-03	1.80E-14	3.00E-16	2E-15	2.25E-01
11-Nov-91	6.65E-17	1E-16	1.33E-03		9.13E-17	3.00E-17	2E-17	3.04E-02	2.77E-17	2.00E-17	2E-17	1.39E-03	1.06E-14	2.00E-16	1E-16	1.33E-01
10-Feb-92	1.94E-16	1E-16	3.88E-03		4.24E-18	3.00E-17	2E-17	1.41E-03	4.08E-17	2.20E-17	2E-17	2.04E-03	3.51E-14	6.00E-17	1E-16	4.39E-01
11-May-92	2.54E-16	1E-16	5.08E-03		6.49E-16	5.00E-17	2E-19	2.16E-01	6.86E-17	4.00E-17	2E-19	3.43E-03	1.38E-14	2.00E-16	1E-18	1.73E-01
10-Aug-92	1.73E-16	2E-18	3.46E-03		1.58E-16	4.00E-17	4E-18	5.17E-02	1.20E-16	6.00E-17	2E-18	6.00E-03	1.53E-14	2.00E-16	2E-17	1.91E-01
09-Nov-92	1.56E-16	3E-18	3.12E-03		3.19E-17	2.10E-17	4E-18	1.06E-02	4.90E-16	2.20E-17	3E-18	2.45E-04	1.86E-14	2.00E-16	2E-17	2.33E-01
09-Feb-93	2.10E-16	1E-18	4.20E-03		0.00E+00	4.60E-17	4E-18	0.00E+00	3.89E-17	7.30E-17	3E-18	1.95E-03	2.52E-14	4.00E-16	2E-17	3.15E-01
10-May-93	0.00E+00	3E-18	0.00E+00		4.11E-17	3.60E-17	4E-18	1.37E-02	6.43E-17	4.00E-17	3E-18	3.22E-03	1.26E-14	2.00E-16	2E-17	1.58E-01
10-Aug-93	2.30E-16	2E-18	4.60E-03		6.00E-17	5.00E-17	4E-18	2.00E-02	6.43E-17	8.10E-17	3E-18	3.22E-03	1.60E-14	2.00E-16	2E-17	2.00E-01
08-Nov-93	0.00E+00	2E-18	0.00E+00		0.00E+00	5.60E-17	4E-18	0.00E+00	0.00E+00	1.00E-16	3E-18	0.00E+00	1.57E-14	3.00E-16	2E-17	1.96E-01
07-Feb-94	1.82E-16	3E-21	3.03E-01		5.00E-18	6.00E-17	4E-18	1.67E-02	4.30E-17	1.60E-16	3E-18	4.78E-01	2.59E-14	5.00E-16	2E-17	4.32E+00
09-May-94	3.60E-16	2E-17	6.00E-01		2.70E-16	1.10E-16	4E-17	9.00E-01	2.67E-16	1.00E-16	3E-17	3.19E-01	1.60E-14	3.00E-16	2E-16	2.67E+00
09-Aug-94	4.04E-16	1E-16	6.73E-01		2.70E-16	8.71E-17	1E-16	9.00E-01	2.94E-16	2.90E-17	1E-16	3.27E-01	2.00E-15	1.90E-16	2E-15	3.33E-01
07-Nov-94	9.18E-17	1E-16	1.53E-01		3.60E-16	4.42E-17	1E-16	1.20E+00	2.91E-16	2.45E-17	1E-16	3.23E-02	2.00E-15	7.61E-17	2E-15	3.33E-01
07-Feb-95	1.77E-16	1E-16	2.95E-01		9.70E-17	1.00E-16	1E-16	3.23E-01	9.70E-17	1.00E-16	1E-16	1.08E-02	8.60E-15	3.76E-16	1E-16	1.43E+00
09-May-95	9.40E-17	1E-22	1.57E-01		5.36E-16	4.39E-17	1E-16	1.79E+00	1.60E-15	7.17E-17	1E-16	1.78E-01	3.64E-15	2.05E-16	1E-16	6.40E-01
09-Aug-95	2.70E-16	1E-16	4.50E-01		1.60E-16	1.50E-17	1E-16	5.33E-01	2.70E-16	4.68E-17	1E-16	3.07E-02	3.76E-15	2.68E-16	2E-15	6.27E-01
11-Nov-95	4.80E-15	1E-16	8.00E+00		6.41E-16	5.75E-17	2E-16	2.14E+00	8.93E-16	4.24E-16	2E-16	9.92E-02	5.20E-15	2.40E-16	1E-15	8.67E-01
05-Feb-96	5.34E-15	1E-16	8.90E+00		2.30E-15	1.30E-16	1E-16	7.67E+00	1.30E-15	7.80E-17	1E-16	1.44E-01	4.20E-15	3.04E-16	1E-16	7.00E-01
06-May-96	5.11E-16	1E-16	8.52E-01		3.06E-16	2.90E-17	1E-16	1.02E+00	1.40E-16	9.67E-18	1E-16	1.58E-02	7.03E-15	5.54E-16	1E-16	1.17E+00
05-Aug-96	5.99E-16	1E-16	9.98E-01		1.55E-15	7.65E-17	1E-16	5.17E+00	2.03E-16	2.83E-17	1E-16	2.26E-02	5.94E-15	3.05E-16	1E-16	9.90E-01
06-Nov-96	3.36E-16	1E-16	5.63E-01		5.45E-16	4.65E-17	1E-16	1.82E+00	1.00E-16	NA	1E-16	1.11E-02	1.22E-14	4.53E-16	1E-16	2.03E+00
06-Feb-97	1.00E-16	1E-16	1.67E-01		1.25E-16	2.47E-17	1E-16	4.17E-01	1.28E-16	1.54E-17	1E-16	1.42E-02	5.68E-15	2.85E-16	1E-16	9.47E-01
05-May-97	1.09E-16	1E-16	1.82E-01		1.00E-16	NA	1E-16	3.33E-01	1.00E-16	NA	1E-16	1.11E-02	4.39E-15	2.96E-16	1E-16	7.32E-01

* 1/1/94 Derived air concentrations were implemented as per 10 CFR 20

TABLE 11

INTERNATIONAL URANIUM CORPORATION
WHITE MESA MILL
AMBIENT AIR RADIONUCLIDE PARTICULATES

μCi/ml

LOCATION: BHV-2

Current Quarter	1st	2nd	3rd	4th
% time operated	67.6%	83.2%		
Air Volume, SCF x 1e6	3.04	3.48		

PERIOD ENDING	URANIUM NAT.				THORIUM-230				RADIUM-226				LEAD-210			
	GROSS CONC	LLD (1E-16)	% MPC		GROSS CONC	COUNTING ERROR	LLD (1E-16)	% MPC	GROSS CONC	COUNTING ERROR	LLD (1E-16)	% MPC	GROSS CONC	COUNTING ERROR	LLD (2E-15)	% MPC
13-Feb-89	5.80E-16	4E-17	1.16E-02		2.85E-16	3.09E-17	4E-17	9.50E-02	1.55E-16	2.32E-17	2E-16	7.75E-03	2.80E-14	2.32E-16	5E-16	3.50E-01
15-May-89	5.06E-16	7E-18	1.01E-02		2.28E-16	7.00E-17	7E-18	7.80E-02	1.63E-16	3.00E-17	7E-18	8.15E-03	6.05E-15	1.00E-16	4E-17	7.58E-02
14-Aug-89	4.71E-16	2E-18	9.42E-03		9.60E-16	8.00E-17	8E-18	3.20E-01	1.26E-15	1.00E-16	8E-18	6.30E-02	6.65E-15	1.00E-16	4E-17	8.31E-02
13-Nov-89	1.14E-15	2E-17	2.27E-02		4.08E-16	5.00E-17	3E-18	1.36E-01	4.18E-16	6.00E-17	7E-18	2.09E-02	1.59E-14	3.00E-16	2E-17	1.99E-01
12-Feb-90	1.09E-15	4E-18	2.18E-02		3.25E-16	7.00E-17	7E-18	1.08E-01	3.74E-16	9.00E-17	3E-17	1.87E-02	1.98E-14	3.00E-16	5E-17	2.48E-01
14-May-90	9.32E-16	1E-16	1.86E-02		5.27E-16	1.00E-16	1E-16	1.76E-01	3.97E-16	1.00E-16	1E-16	1.99E-02	1.69E-14	3.00E-16	2E-16	2.11E-01
13-Aug-90	1.66E-16	1E-16	3.32E-03		5.49E-16	3.00E-17	1E-16	1.85E-01	4.75E-17	2.00E-17	1E-16	2.38E-03	1.27E-15	2.00E-16	2E-16	1.59E-02
12-Nov-90	6.05E-16	1E-16	1.21E-02		2.64E-16	6.00E-17	1E-16	8.80E-02	1.93E-16	4.00E-17	1E-16	9.65E-03	2.25E-14	3.00E-16	2E-16	2.81E-01
11-Feb-91	8.72E-17	1E-16	1.74E-03		7.00E-16	1.60E-17	1E-16	2.33E-03	3.33E-17	1.80E-17	1E-16	1.67E-03	3.49E-14	1.00E-15	2E-16	4.36E-01
13-May-91	1.16E-16	1E-16	2.32E-03		3.86E-16	9.00E-17	1E-16	1.29E-01	2.80E-16	7.00E-17	1E-16	1.40E-02	1.50E-14	1.00E-15	2E-15	1.88E-01
12-Aug-91	9.02E-17	1E-16	1.80E-03		8.82E-17	5.00E-17	1E-16	2.94E-02	7.65E-17	6.00E-17	1E-16	3.83E-03	1.58E-14	3.00E-16	2E-15	1.98E-01
11-Nov-91	4.81E-17	1E-16	9.62E-04		3.82E-17	2.00E-17	2E-17	1.27E-02	2.54E-17	2.00E-17	2E-17	1.27E-03	1.45E-14	4.00E-16	1E-16	1.81E-01
10-Feb-92	1.54E-16	1E-16	3.08E-03		6.82E-17	4.00E-17	2E-17	2.27E-02	1.40E-17	2.40E-17	2E-17	7.00E-04	3.41E-14	6.00E-17	1E-16	4.26E-01
11-May-92	2.38E-16	1E-16	4.76E-03		7.63E-17	4.00E-17	2E-19	2.54E-02	3.07E-17	3.00E-17	2E-19	1.54E-03	1.27E-14	2.00E-16	1E-18	1.59E-01
10-Aug-92	1.01E-16	2E-18	2.32E-03		7.07E-17	2.60E-17	4E-18	2.36E-02	2.80E-17	4.20E-17	2E-18	1.40E-03	1.41E-14	2.00E-16	2E-17	1.76E-01
09-Nov-92	5.20E-17	3E-21	1.04E-03		3.65E-17	2.40E-17	4E-18	1.22E-02	1.79E-17	2.80E-17	3E-18	8.90E-04	1.71E-14	2.00E-16	2E-17	2.14E-01
09-Feb-93	2.39E-16	1E-22	4.78E-03		2.97E-17	6.30E-17	4E-18	9.90E-03	6.31E-17	5.00E-17	3E-18	3.16E-03	3.41E-14	5.00E-16	2E-17	4.26E-01
10-May-93	0.00E+00	3E-16	0.00E+00		7.11E-17	5.00E-17	4E-18	2.37E-02	3.19E-17	3.20E-17	3E-18	1.80E-03	1.34E-14	2.00E-16	2E-17	1.68E-01
10-Aug-93	1.90E-16	2E-18	3.80E-03		0.00E+00	3.70E-17	4E-18	0.00E+00	0.00E+00	8.10E-17	3E-18	0.00E+00	1.84E-14	4.00E-16	2E-17	2.25E-01
09-Nov-93	0.00E+00	2E-18	0.00E+00		0.00E+00	5.90E-17	4E-18	0.00E+00	0.00E+00	1.90E-16	3E-18	0.00E+00	1.49E-14	2.00E-16	2E-17	1.86E-01
07-Feb-94	2.23E-16	2E-18	3.72E-01		0.00E+00	6.00E-17	4E-18	0.00E+00	1.84E-16	2.00E-16	3E-18	2.04E-02	2.19E-14	5.00E-15	2E-16	3.65E+00
09-May-94	2.16E-16	2E-17	3.60E-01		7.20E-17	8.00E-17	4E-18	2.40E-01	9.89E-17	7.00E-17	3E-17	1.10E-02	1.37E-14	3.00E-16	2E-16	2.28E+00
09-Aug-94	9.29E-17	1E-16	1.55E-01		2.96E-16	2.23E-16	4E-18	9.87E-01	3.04E-16	3.04E-17	1E-16	3.38E-02	0.00E+00	2.14E-16	1E-16	0.00E+00
07-Nov-94	9.21E-17	1E-16	1.54E-01		2.35E-16	3.16E-17	4E-18	7.87E-01	1.00E-16	1.26E-17	1E-16	1.11E-02	0.00E+00	5.29E-17	1E-15	0.00E+00
07-Feb-95	1.18E-16	1E-16	1.97E-01		9.70E-17	1.00E-16	4E-18	3.23E-01	9.70E-17	1.00E-16	1E-16	1.08E-02	7.42E-15	3.59E-16	1E-15	1.24E+00
09-May-95	9.40E-17	1E-16	1.57E-01		1.20E-16	1.00E-16	4E-18	4.06E-01	3.50E-16	3.25E-17	1E-16	3.89E-02	3.90E-15	1.90E-17	1E-16	6.50E-01
09-Aug-95	8.90E-17	1E-16	1.48E-01		9.67E-17		1E-16	3.22E-01	1.35E-16	3.94E-17	1E-16	1.50E-02	2.38E-16	2.00E-15	2E-15	3.97E-02
09-Nov-95	2.83E-15	1E-16	4.72E+00		4.09E-16	3.45E-17	2E-16	1.36E+00	5.23E-16	7.34E-17	2E-16	5.81E-02	6.77E-15	6.35E-16	1E-15	1.13E+00
05-Feb-96	1.75E-15	1E-16	2.92E+00		8.86E-16	4.90E-17	1E-16	2.89E+00	4.86E-16	5.80E-17	1E-16	5.40E-02	3.50E-15	2.76E-16	1E-16	5.83E-01
06-May-96	1.40E-16	1E-16	2.33E-01		1.15E-16	1.90E-17	1E-16	3.63E-01	1.00E-16	NA	1E-16	1.11E-02	6.85E-15	5.44E-16	1E-16	1.14E+00
05-Aug-96	1.43E-16	1E-16	2.38E-01		2.78E-16	3.07E-17	1E-16	9.27E-01	1.00E-16	NA	1E-16	1.11E-02	5.83E-15	3.07E-16	1E-16	9.72E-01
05-Nov-96	1.45E-16	1E-16	2.42E-01		1.57E-16	2.97E-17	1E-16	5.23E-01	1.00E-16	NA	1E-16	1.11E-02	1.19E-14	4.51E-16	1E-16	1.98E+00
05-Feb-97	1.00E-16	1E-16	1.67E-01		1.00E-16	NA	1E-16	3.33E-01	1.00E-16	NA	1E-16	1.11E-02	5.84E-16	3.56E-17	1E-16	9.73E-02
05-May-97	1.00E-16	1E-16	1.67E-01		1.00E-16	NA	1E-16	3.33E-01	1.00E-16	NA	1E-16	1.11E-02	3.89E-15	2.87E-16	1E-16	6.48E-01

* 1/1/94 Derived air concentrations were implemented as per 10 CFR 20

TABLE 12

INTERNATIONAL URANIUM CORPORATION
WHITE MESA MILL
AMBIENT AIR RADIONUCLIDE PARTICULATES

$\mu\text{Ci/ml}$
LOCATION: BHV-3

Current Quarter
% time operated
Air Volume, SCF $\times 10^6$

1st

2nd

3rd

4th

PERIOD ENDING	URANIUM NAT				THORIUM-230				RADIUM-226				LEAD-210			
	GROSS CONC.	LLD (1E-16)	% MPC		GROSS CONC.	COUNTING ERROR	LLD (1E-16)	% MPC	GROSS CONC.	COUNTING ERROR	LLD (1E-16)	% MPC	GROSS CONC.	COUNTING ERROR	LLD (2E-15)	% MPC
13-Feb-89	4.45E-16	4E-17	8.90E-03		4.78E-17	1.65E-17	1E-16	1.59E-02	2.47E-17	1.65E-17	2E-17	1.24E-03	3.34E-14	3.29E-16	5E-16	4.18E-01
15-May-89	1.05E-16	1E-18	2.10E-03		0.00E+00	1.60E-17	7E-18	0.00E+00	2.45E-17	1.40E-17	7E-18	1.23E-03	0.58E-15	1.00E-16	3E-17	8.20E-02
14-Aug-89	1.31E-16	2E-18	2.62E-03		5.85E-17	2.10E-17	9E-18	1.95E-02	3.97E-17	3.60E-17	9E-18	1.99E-03	6.75E-15	1.00E-16	5E-17	8.44E-02
13-Nov-89	1.67E-16	2E-17	3.35E-03		3.87E-17	4.00E-17	3E-18	1.29E-02	8.03E-17	3.00E-17	8E-18	4.02E-03	1.69E-14	3.00E-16	2E-17	2.11E-01
12-Feb-90	4.43E-16	3E-18	8.86E-03		0.00E+00	4.00E-17	7E-18	0.00E+00	3.50E-17	4.00E-17	2E-17	1.75E-03	2.37E-14	1.00E-16	4E-17	2.96E-01
14-May-90	3.84E-16	1E-16	7.68E-03		2.54E-16	1.00E-16	1E-16	8.47E-02	1.02E-16	6.00E-17	1E-16	5.10E-03	1.68E-14	3.00E-16	2E-16	2.10E-01
13-Aug-90	7.27E-17	1E-16	1.47E-03		2.87E-16	2.00E-17	1E-16	9.57E-02	1.21E-17	2.00E-17	1E-16	6.05E-04	7.86E-15	2.00E-16	2E-16	9.83E-02
12-Nov-90	1.84E-16	1E-16	3.68E-03		1.34E-16	6.00E-17	1E-16	4.47E-02	8.53E-17	4.00E-17	1E-16	4.27E-03	2.01E-14	4.00E-16	2E-16	2.51E-01
11-Feb-91	4.66E-17	1E-16	9.32E-04		8.48E-16	8.00E-17	1E-16	2.83E-01	1.94E-17	1.60E-17	1E-16	9.70E-04	3.69E-14	1.00E-15	2E-16	4.61E-01
13-May-91	5.05E-17	1E-16	1.01E-03		7.40E-17	6.00E-17	1E-16	2.47E-02	7.00E-16	4.00E-17	1E-16	3.50E-04	1.50E-14	1.00E-15	2E-15	1.86E-01
12-Aug-91	7.14E-17	1E-16	1.43E-03		6.22E-17	8.00E-17	1E-16	2.07E-02	7.95E-17	8.00E-17	1E-16	3.19E-03	1.17E-14	5.00E-16	2E-15	2.21E-01
11-Nov-91	1.41E-17	1E-16	2.82E-04		2.19E-18	3.00E-16	2E-17	7.30E-04	2.75E-17	2.00E-17	2E-17	1.38E-03	1.18E-14	2.00E-16	1E-16	1.48E-01
10-Feb-92	8.12E-17	1E-16	1.62E-03		2.35E-17	3.80E-17	2E-17	7.83E-03	2.76E-18	1.30E-17	2E-17	1.38E-04	3.57E-14	6.00E-17	1E-16	4.46E-01
11-May-92	9.18E-17	1E-16	1.84E-03		5.80E-17	2.00E-16	2E-19	1.93E-02	3.36E-17	3.00E-17	2E-19	1.68E-03	1.28E-14	2.00E-15	1E-16	1.60E-01
10-Aug-92	2.00E-18	2E-18	4.00E-05		4.19E-17	2.30E-17	4E-18	1.40E-02	2.00E-18	4.30E-17	2E-18	1.00E-04	1.58E-14	2.00E-16	2E-17	1.99E-01
09-Nov-92	4.00E-17	3E-21	8.00E-04		2.68E-17	1.80E-17	4E-18	8.93E-03	1.07E-17	2.10E-17	3E-18	5.35E-04	1.61E-14	2.00E-16	2E-17	2.26E-01
09-Feb-93	7.94E-17	1E-22	1.59E-03		0.00E+00	5.30E-17	4E-18	0.00E+00	1.09E-16	9.00E-17	3E-18	5.45E-03	2.69E-14	4.00E-16	2E-17	3.36E-01
10-May-93	1.60E-17	3E-22	3.20E-04		5.07E-17	4.40E-17	4E-18	1.11E-02	7.64E-17	4.00E-17	3E-18	3.82E-03	1.26E-14	2.00E-16	2E-17	1.58E-01
10-Aug-93	6.00E-17	2E-18	1.20E-03		6.00E-18	3.40E-17	4E-18	2.61E-03	0.00E+00	4.30E-17	3E-18	0.00E+00	1.50E-14	3.00E-16	2E-17	1.88E-01
09-Nov-93	0.00E+00	2E-18	0.00E+00		0.00E+00	4.20E-17	4E-18	0.00E+00	0.00E+00	1.50E-16	3E-18	0.00E+00	2.10E-14	4.00E-16	2E-17	2.63E-01
07-Feb-94	1.61E-16	2E-16	2.68E-01		0.00E+00	6.00E-17	4E-18	0.00E+00	2.22E-16	2.20E-16	3E-18	2.47E-02	2.23E-14	4.00E-16	2E-17	3.72E+00
09-May-94	2.77E-16	2E-17	4.62E-01		2.80E-17	1.40E-16	4E-17	9.33E-02	8.37E-18	1.00E-16	3E-17	9.30E-04	1.40E-14	4.00E-16	2E-17	2.33E+00
09-Aug-94	7.39E-17	1E-16	1.23E-01		1.00E-16	1.00E-16	1E-16	3.33E-01	1.14E-16	2.02E-17	1E-16	1.27E-02	1.00E-16	1.88E-16	2E-16	1.67E-02
07-Nov-94	9.05E-17	1E-16	1.51E-01		1.00E-16	1.00E-16	1E-16	3.33E-01	1.00E-16	7.64E-18	1E-16	1.11E-02	1.00E-16	1.16E-16	2E-15	1.67E-02
07-Feb-95	7.99E-17	1E-16	1.33E-01		9.60E-17	1.00E-16	1E-16	3.20E-01	9.60E-17	1.00E-16	1E-16	1.07E-02	9.05E-15	4.73E-16	1E-16	1.51E+00
09-May-95	9.40E-17	1E-16	1.57E-01		9.80E-17	1.00E-16	1E-16	3.27E-01	0.60E-17	1.00E-16	1E-16	9.56E-03	2.88E-15	1.70E-16	1E-16	4.80E-01
09-Aug-95	7.30E-17	1E-16	1.22E-01		9.20E-17	1.31E-16	1E-16	3.07E-01	4.40E-17	4.40E-17	1E-16	4.89E-03	1.96E-15	1.96E-15	1E-16	3.27E-01
**11-Nov-95	3.16E-16				1.31E-16				6.58E-17				1.91E-14			
**05-Feb-96	3.41E-16				2.26E-16				1.18E-16				2.69E-14			
**06-May-96	1.31E-16				1.39E-16				1.82E-16				1.53E-14			
**05-Aug-96	3.00E-16				3.43E-16				3.99E-16				1.31E-14			
**05-Nov-96	3.16E-16				1.31E-16				6.58E-17				1.91E-14			
**05-Feb-97	3.41E-16				2.26E-16				1.18E-16				2.69E-14			
**05-May-97	1.31E-16				1.39E-16				1.82E-16				1.53E-14			

*1/1/94 Derived air concentrations were implemented as per 10 CFR 20

** BHV-3 was taken down due to excessive vandalism and Quarterly averages are being used in the place of samples.

TABLE 13

INTERNATIONAL URANIUM CORPORATION
WHITE MESA MILL
AMBIENT AIR RADIONUCLIDE PARTICULATES

μCi/ml
LOCATION: BHV-4

Current Quarter	1st	2nd	3rd	4th
% time operated	85.8%	94.7%		
Air Volume, SCF x 1e6	3.86	4.00		

PERIOD ENDING	URANIUM NAT.				THORIUM-230				RADIUM-226				LEAD-210			
	GROSS CONC.	LLD (1E-16)	% MPC		GROSS CONC.	COUNTING ERROR	LLD (1E-16)	% MPC	GROSS CONC.	COUNTING ERROR	LLD (1E-16)	% MPC	GROSS CONC.	COUNTING ERROR	LLD (2E-15)	% MPC
13-Feb-80	2.47E-15	4E-17	4.94E-02		1.56E-15	1.02E-16	1E-16	5.20E-01	6.94E-16	5.10E-17	2E-16	3.47E-02	2.12E-14	3.06E-16	5E-16	2.66E-01
15-May-89	2.50E-16	1E-18	5.00E-03		3.14E-15	1.00E-16	7E-18	1.06E+00	9.03E-16	7.00E-17	7E-18	4.52E-02	8.05E-15	1.00E-16	4E-17	1.01E-01
14-Aug-89	6.50E-15	5E-17	1.30E-01		7.68E-15	2.00E-16	9E-18	2.56E+00	2.35E-15	2.00E-16	9E-18	1.18E-01	9.95E-15	1.00E-16	5E-17	1.24E-01
13-Nov-89	9.62E-15	2E-17	1.93E-01		4.72E-15	2.00E-16	3E-18	1.57E+00	4.03E-15	2.00E-16	8E-18	2.01E-01	1.99E-14	3.00E-16	2E-17	2.49E-01
12-Feb-90	8.92E-15	3E-18	1.78E-01		4.05E-15	2.00E-16	6E-18	1.35E+00	2.89E-15	2.00E-16	2E-17	1.45E-01	2.69E-14	2.00E-16	4E-17	3.36E-01
14-May-90	8.90E-15	1E-16	1.78E-01		3.56E-15	3.00E-16	1E-16	1.19E+00	2.33E-15	2.00E-16	1E-16	1.17E-01	2.09E-14	4.00E-16	2E-16	2.61E-01
13-Aug-90	1.92E-15	1E-16	3.84E-02		3.58E-15	8.00E-17	1E-16	1.19E+00	5.06E-16	6.00E-17	1E-16	2.53E-02	8.86E-15	2.00E-16	2E-16	1.11E-01
12-Nov-90	2.91E-15	1E-16	5.82E-02		1.87E-15	2.00E-16	1E-16	6.23E-01	1.08E-15	1.00E-16	1E-16	5.40E-02	2.19E-14	4.00E-16	2E-16	2.74E-01
11-Feb-91	1.67E-16	1E-16	3.34E-03		2.25E-17	2.10E-17	1E-16	7.50E-03	6.38E-17	2.50E-17	1E-16	3.19E-03	4.19E-14	1.00E-15	2E-16	5.24E-01
13-May-91	1.87E-16	1E-16	3.74E-03		7.80E-16	1.00E-16	1E-16	2.63E-01	3.54E-16	9.00E-17	1E-16	1.77E-02	1.40E-14	1.00E-15	2E-15	1.75E-01
12-Aug-91	4.85E-16	1E-16	9.70E-03		2.61E-15	2.00E-16	1E-16	8.70E-01	1.27E-16	8.00E-17	1E-16	6.35E-03	2.20E-14	5.00E-16	2E-15	2.75E-01
11-Nov-91	1.77E-16	1E-16	3.54E-03		4.38E-16	7.00E-17	2E-17	1.46E-01	3.76E-17	3.00E-17	2E-17	1.68E-03	1.15E-14	2.00E-16	1E-16	1.44E-01
10-Feb-92	1.83E-16	1E-16	3.66E-03		1.46E-16	6.00E-17	2E-17	4.87E-02	1.33E-16	4.00E-17	2E-17	6.65E-03	3.35E-14	6.00E-17	1E-16	4.19E-01
11-May-92	4.40E-16	1E-16	8.80E-03		1.95E-15	1.00E-16	2E-19	6.50E-01	4.04E-16	8.00E-17	2E-19	2.02E-02	1.41E-14	2.00E-16	1E-18	1.76E-01
10-Aug-92	9.09E-17	2E-18	1.82E-03		2.56E-16	4.00E-17	4E-18	8.53E-02	4.50E-17	4.60E-17	2E-18	2.25E-03	1.57E-14	2.00E-16	2E-17	1.96E-01
09-Nov-92	2.07E-16	3E-21	4.14E-03		1.15E-16	3.00E-17	4E-18	3.83E-02	3.62E-17	2.80E-17	3E-18	1.81E-03	2.24E-14	3.00E-16	2E-17	2.80E-01
09-Feb-93	1.73E-16	1E-22	3.46E-03		0.00E+00	6.00E-17	4E-18	0.00E+00	2.89E-17	4.30E-17	3E-18	1.41E-03	3.08E-14	5.00E-16	2E-17	3.85E-01
10-May-93	2.70E-17	3E-22	5.40E-04		2.76E-17	3.20E-17	4E-18	9.20E-03	8.74E-17	5.00E-17	3E-18	4.37E-03	1.25E-14	2.00E-16	2E-17	1.56E-01
10-Aug-93	9.00E-17	2E-18	1.80E-03		2.50E-17	3.90E-17	4E-18	8.33E-03	0.00E+00	3.70E-17	3E-18	0.00E+00	1.50E-14	3.00E-16	2E-17	1.88E-01
09-Nov-93	0.00E+00	2E-18	0.00E+00		1.76E-16	9.00E-17	4E-18	5.87E-02	6.00E-17	1.80E-16	3E-18	3.00E-03	1.75E-14	4.00E-16	2E-17	2.19E-01
07-Feb-94	1.10E-16	2E-16	1.83E-01		0.00E+00	1.58E-16	4E-18	0.00E+00	2.21E-16	2.30E-16	3E-18	2.48E-02	3.08E-14	6.00E-16	2E-17	5.13E+00
09-May-94	3.80E-16	2E-17	6.33E-01		3.38E-16	1.20E-16	4E-17	1.13E+00	3.46E-16	1.00E-16	3E-17	3.84E-02	1.73E-14	2.00E-16	2E-16	2.88E+00
09-Aug-94	3.85E-16	1E-16	6.42E-01		2.82E-16	9.81E-17	1E-18	9.40E-01	1.00E-16	1.73E-17	1E-16	1.11E-02	1.00E-16	1.00E-16	2E-15	1.67E-02
07-Nov-94	6.21E-17	1E-16	1.03E-01		3.53E-16	4.21E-17	1E-16	1.18E+00	1.06E-16	2.06E-17	1E-16	2.18E-02	1.00E-16	1.00E-16	2E-15	1.67E-02
07-Feb-95	3.70E-16	1E-16	6.17E-01		9.70E-17	1.00E-16	1E-16	3.23E-01	9.70E-17	3.02E-17	1E-16	1.07E-02	8.84E-15	3.89E-16	2E-15	1.47E+00
09-May-95	9.40E-17	1E-16	1.57E-01		9.80E-17	1.00E-16	1E-16	3.27E-01	1.90E-16	2.48E-17	1E-16	2.11E-02	2.90E-15	1.70E-16	2E-15	4.83E-01
09-Aug-95	1.45E-16	1E-16	2.42E-01		2.86E-16	3.78E-17	1E-16	9.53E-01	7.10E-17	3.62E-17	1E-16	7.89E-03	2.70E-15	2.17E-16	2E-15	4.50E-01
11-Nov-95	1.43E-14	1E-16	2.38E+01		2.31E-15	1.24E-16	2E-16	7.70E+00	2.61E-15	7.51E-17	2E-13	2.90E-01	5.60E-15	2.48E-16	1E-15	9.33E-01
05-Feb-96	1.19E-14	1E-16	1.97E+01		5.70E-15	1.95E-16	1E-16	1.90E+01	6.10E-15	1.80E-16	1E-16	6.78E-01	6.48E-15	3.78E-16	1E-16	1.08E+00
06-May-96	4.55E-16	1E-16	7.58E-01		3.80E-16	3.10E-17	1E-16	1.27E+00	2.84E-16	1.47E-17	1E-16	3.16E-02	7.68E-15	5.74E-16	1E-16	1.29E+00
05-Aug-96	7.78E-16	1E-16	1.30E+00		3.57E-15	2.42E-16	1E-16	1.19E+01	1.69E-16	1.42E-17	1E-16	1.88E-02	4.90E-15	2.92E-16	1E-16	8.17E-01
05-Nov-96	1.36E-15	1E-16	2.27E+00		3.51E-15	1.66E-16	1E-16	1.17E+01	4.21E-16	3.98E-17	1E-16	4.68E-02	1.10E-14	4.35E-16	1E-16	1.83E+00
05-Feb-97	1.00E-16	1E-16	1.67E-01		1.00E-16	NA	1E-16	3.33E-01	1.03E-16	1.55E-17	1E-16	1.14E-02	6.78E-15	3.27E-16	1E-16	1.13E+00
05-May-97	1.00E-16	1E-16	1.67E-01		1.40E-16	2.51E-17	1E-16	4.87E-01	2.24E-16	1.57E-17	1E-16	2.49E-02	4.55E-15	2.84E-16	1E-16	7.58E-01

*1/1/94 Derived air concentrations were implemented as per 10 CFR 20

TABLE 14

INTERNATIONAL URANIUM CORPORATION
WHITE MESA MILL
AMBIENT AIR RADIONUCLIDE PARTICULATES
 $\mu\text{Ci}/\text{m}^3$
LOCATION: BHV-5

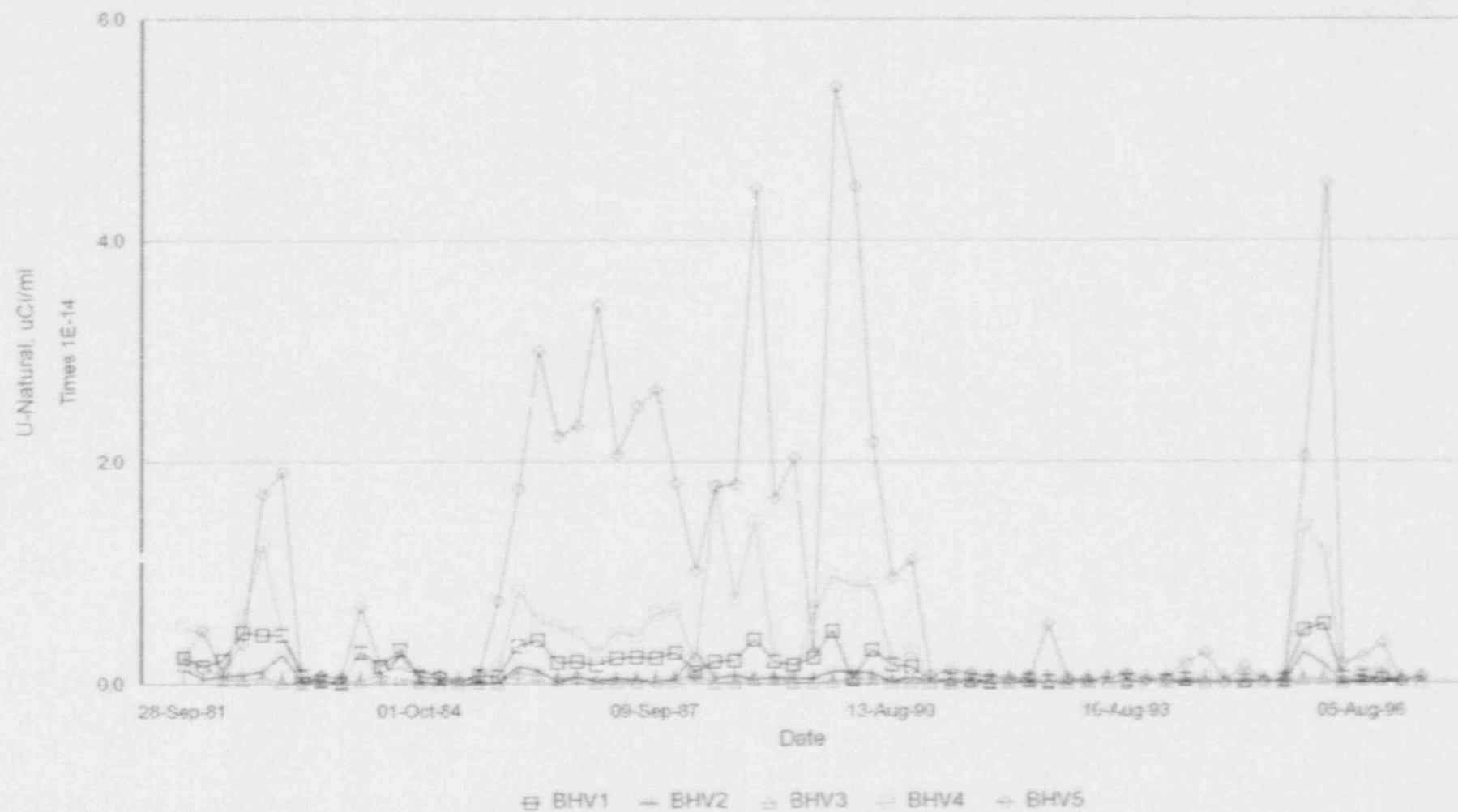
Current Quarter	1st	2nd	3rd	4th
% time operated	97.8%	94.4%		
Air Volume, SCF x 1e6	4.42	3.98		

PERIOD ENDING	URANIUM NAT.			THORIUM-230				RADIUM-226				LEAD-210			
	GROSS CONC.	LLD (1E-15)	% MPC	GROSS CONC.	COUNTING ERROR	LLD (1E-15)	% MPC	GROSS CONC.	COUNTING ERROR	LLD (1E-15)	% MPC	GROSS CONC.	COUNTING ERROR	LLD (2E-15)	% MPC
16-Feb-88	1.01E-14	5E-18	2.02E-01	2.96E-15	1.00E-16	2E-17	9.93E-01	3.23E-15	1.00E-16	2E-17	1.97E-01	3.36E-14	2.00E-18	5E-17	4.20E-01
18-May-88	1.78E-14	3E-18	3.56E-01	8.14E-15	3.00E-16	2E-17	2.71E+00	7.43E-15	3.00E-16	2E-17	3.72E-01	2.12E-14	2.00E-18	4E-17	2.85E-01
15-Aug-88	1.79E-14	3E-18	3.16E-01	1.49E-14	1.00E-15	1E-17	4.97E+00	5.54E-15	2.00E-16	2E-17	2.67E-01	2.45E-14	3.00E-18	2E-17	3.06E-01
14-Nov-88	4.46E-14	3E-18	8.92E-01	1.39E-14	2.00E-16	1E-17	4.63E+00	1.17E-14	2.00E-16	1E-17	5.85E-01	3.43E-14	2.00E-18	3E-17	4.29E-01
13-Feb-89	1.67E-14	4E-17	3.34E-01	5.54E-15	1.02E-16	1E-16	1.85E+00	7.20E-15	1.40E-16	2E-16	3.60E-01	5.02E-14	2.10E-18	5E-16	6.28E-01
15-May-89	2.03E-14	1E-18	4.06E-01	7.05E-15	2.00E-16	6E-17	2.35E+00	9.56E-16	2.00E-16	6E-18	4.78E-02	1.43E-14	1.00E-18	3E-17	1.79E-01
14-Aug-89	2.81E-15	2E-16	5.62E-02	3.78E-15	2.00E-16	8E-18	1.25E+00	9.26E-15	3.00E-16	8E-18	4.63E-01	1.50E-14	1.00E-18	4E-17	1.80E-01
13-Nov-89	5.38E-14	2E-17	1.08E+00	8.01E-15	3.00E-16	3E-18	2.67E+00	1.81E-14	3.00E-16	7E-18	9.06E-01	4.09E-14	5.00E-18	2E-17	5.12E-01
12-Feb-90	4.48E-14	3E-18	8.96E-01	1.48E-14	1.01E-15	6E-18	4.93E+00	1.28E-14	2.00E-17	2E-17	6.40E-01	3.88E-14	3.00E-18	5E-17	4.85E-01
14-May-90	2.18E-14	1E-16	4.36E-01	1.70E-14	1.01E-15	1E-16	5.67E+00	1.58E-14	1.00E-15	1E-16	7.96E-01	3.49E-14	1.00E-15	2E-16	4.38E-01
13-Aug-90	9.53E-15	1E-16	1.91E-01	1.70E-14	1.00E-15	1E-16	5.67E+00	3.27E-15	1.10E-16	1E-16	1.64E-01	1.27E-14	2.00E-18	2E-16	1.59E-01
12-Nov-90	1.11E-14	1E-16	2.22E-01	5.27E-15	3.00E-14	1E-16	1.78E+00	5.38E-15	3.00E-16	1E-16	2.69E-01	1.56E-14	4.00E-18	2E-16	1.95E-01
11-Feb-91	6.35E-16	1E-16	1.27E-02	3.13E-16	6.00E-17	1E-16	1.04E-01	2.31E-16	4.00E-17	1E-16	1.18E-02	3.86E-14	1.00E-15	2E-16	4.86E-01
13-May-91	1.22E-15	1E-16	2.44E-02	6.14E-15	3.00E-16	1E-16	2.05E+00	4.41E-15	2.00E-16	1E-16	2.21E-01	2.30E-14	1.00E-15	2E-15	3.13E-01
12-Aug-91	7.84E-16	1E-16	1.57E-02	1.43E-15	2.00E-16	1E-16	4.77E-01	4.47E-16	1.10E-16	1E-16	2.24E-02	1.84E-14	4.00E-18	2E-15	2.30E-01
11-Nov-91	5.37E-16	1E-16	1.07E-02	4.20E-16	7.00E-17	2E-17	1.40E-01	1.37E-16	3.00E-17	2E-17	6.85E-03	1.27E-14	3.00E-18	1E-16	1.59E-01
10-Feb-92	3.54E-16	1E-16	7.08E-03	1.18E-16	6.00E-17	2E-17	3.93E-02	4.08E-17	3.00E-17	2E-17	2.04E-03	3.69E-14	6.00E-17	1E-16	4.61E-01
11-May-92	4.71E-16	1E-16	9.42E-03	9.58E-16	1.00E-16	2E-19	3.19E-01	8.31E-17	4.00E-18	2E-19	4.16E-03	1.40E-14	2.00E-18	1E-18	1.79E-01
10-Aug-92	5.32E-15	2E-18	1.06E-01	3.36E-16	6.00E-17	4E-18	1.12E-01	1.65E-16	7.00E-17	2E-18	8.25E-03	1.59E-14	2.00E-18	2E-17	1.99E-01
09-Nov-92	3.66E-16	3E-21	7.32E-03	2.25E-16	4.00E-17	4E-18	7.50E-02	1.08E-16	3.00E-17	3E-18	5.40E-03	2.24E-14	2.00E-18	2E-17	2.80E-01
09-Feb-93	2.05E-16	1E-22	4.10E-03	9.14E-17	8.00E-17	4E-18	3.05E-02	6.31E-17	5.00E-17	3E-18	3.16E-03	3.41E-14	5.00E-18	2E-17	4.26E-01
10-May-93	4.80E-16	3E-22	9.60E-03	8.25E-16	1.20E-16	4E-18	2.75E-01	1.29E-15	1.00E-16	3E-18	6.30E-02	1.83E-14	4.00E-18	2E-17	2.29E-01
10-Aug-93	8.30E-16	2E-18	1.66E-02	1.90E-16	7.00E-17	4E-18	6.33E-02	2.10E-16	9.00E-17	3E-18	1.05E-02	1.70E-14	5.00E-18	2E-17	2.13E-01
09-Nov-93	2.70E-16	2E-18	5.40E-03	8.00E-17	8.00E-17	4E-18	2.67E-02	7.00E-17	1.70E-16	3E-18	3.50E-03	2.34E-14	3.00E-18	2E-17	2.93E-01
07-Feb-94	3.18E-16	2E-16	5.30E-01	0.00E+00	5.90E-17	4E-18	0.00E+00	5.18E-16	2.80E-16	3E-18	5.78E-02	3.84E-14	7.00E-18	2E-17	6.07E+00
09-May-94	1.80E-15	2E-17	3.00E+00	9.78E-16	2.00E-16	4E-17	3.26E+00	1.10E-15	2.00E-16	3E-17	1.22E-01	8.30E-15	2.00E-18	2E-16	1.38E+00
09-Aug-94	2.67E-15	1E-16	4.45E+00	1.11E-15	1.70E-16	1E-16	3.70E+00	4.95E-16	3.87E-17	1E-16	5.50E-02	0.00E+00	2.19E-16	1E-16	0.00E+00
07-Nov-94	9.21E-17	1E-16	1.54E-01	1.56E-15	8.80E-17	1E-16	5.30E+00	1.86E-15	5.70E-17	1E-16	1.84E-01	0.00E+00	1.88E-15	1E-15	0.00E+00
07-Feb-95	1.51E-15	1E-16	2.52E+00	9.50E-16	0.29E-16	1E-16	3.17E+00	9.70E-17	6.88E-17	1E-16	1.08E-02	9.35E-15	4.00E-18	1E-15	1.58E+00
09-May-95	2.21E-16	1E-16	3.68E-01	8.58E-16	5.41E-17	1E-16	2.85E+00	3.06E-15	9.40E-17	1E-16	3.40E-01	4.24E-15	2.06E-18	1E-15	7.23E-01
09-Aug-95	1.66E-16	1E-16	2.77E-01	1.67E-15	1.29E-16	1E-16	5.57E+00	3.90E-15	1.34E-16	1E-16	4.33E-01	5.60E-15	1.29E-18	2E-15	9.33E-01
11-Nov-95	2.04E-14	1E-16	3.40E+01	6.70E-15	2.32E-16	2E-16	2.23E+01	7.65E-15	1.24E-16	2E-16	8.50E-01	4.47E-13	2.25E-18	1E-15	7.45E-01
05-Feb-96	4.50E-14	1E-16	7.50E+01	3.58E-14	9.47E-17	1E-16	1.19E+02	2.39E-14	3.38E-16	1E-16	2.89E+00	7.30E-15	3.87E-18	1E-16	1.22E+00
06-May-96	1.76E-15	1E-16	2.93E+00	3.57E-15	2.84E-16	1E-16	1.19E+01	9.55E-16	2.54E-17	1E-16	1.08E-01	7.54E-15	5.83E-18	1E-16	1.26E+00
05-Aug-96	2.37E-15	1E-16	3.95E+00	8.18E-15	4.61E-16	1E-16	2.73E+01	7.48E-16	5.12E-17	1E-16	8.29E-02	5.75E-15	3.04E-18	1E-16	9.58E-01
05-Nov-96	3.53E-15	1E-16	5.88E+00	5.31E-15	1.97E-16	1E-16	1.77E+01	9.39E-16	5.91E-17	1E-16	1.04E-01	1.21E-14	5.32E-18	1E-16	2.02E+00
05-Feb-97	1.84E-16	1E-16	3.07E-01	2.01E-16	2.67E-17	1E-16	6.70E-01	1.87E-16	1.81E-17	1E-16	2.08E-02	6.14E-15	2.92E-18	1E-16	1.02E+00
05-May-97	5.75E-15	1E-16	9.58E-01	7.24E-16	6.36E-17	1E-16	2.41E+00	6.07E-16	4.85E-17	1E-16	6.74E-02	4.75E-15	2.84E-18	1E-16	7.82E-01

*1/1/94 Derived air concentrations were implemented as per 10 CFR 20

INTERNATIONAL URANIUM CORP.

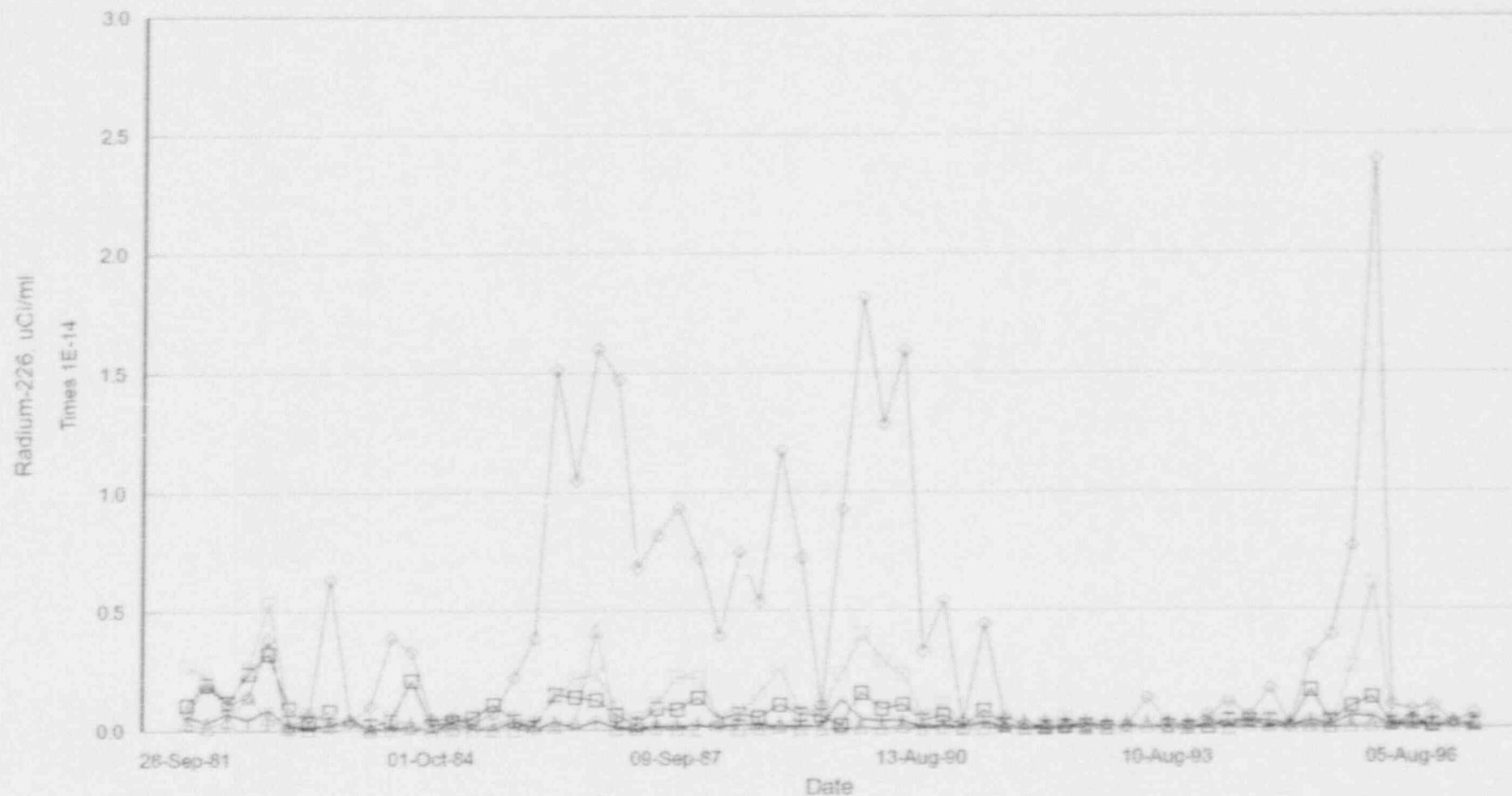
Particulate Radionuclides



GRAPH 11

INTERNATIONAL URANIUM CORP.

Particulate Radionuclides

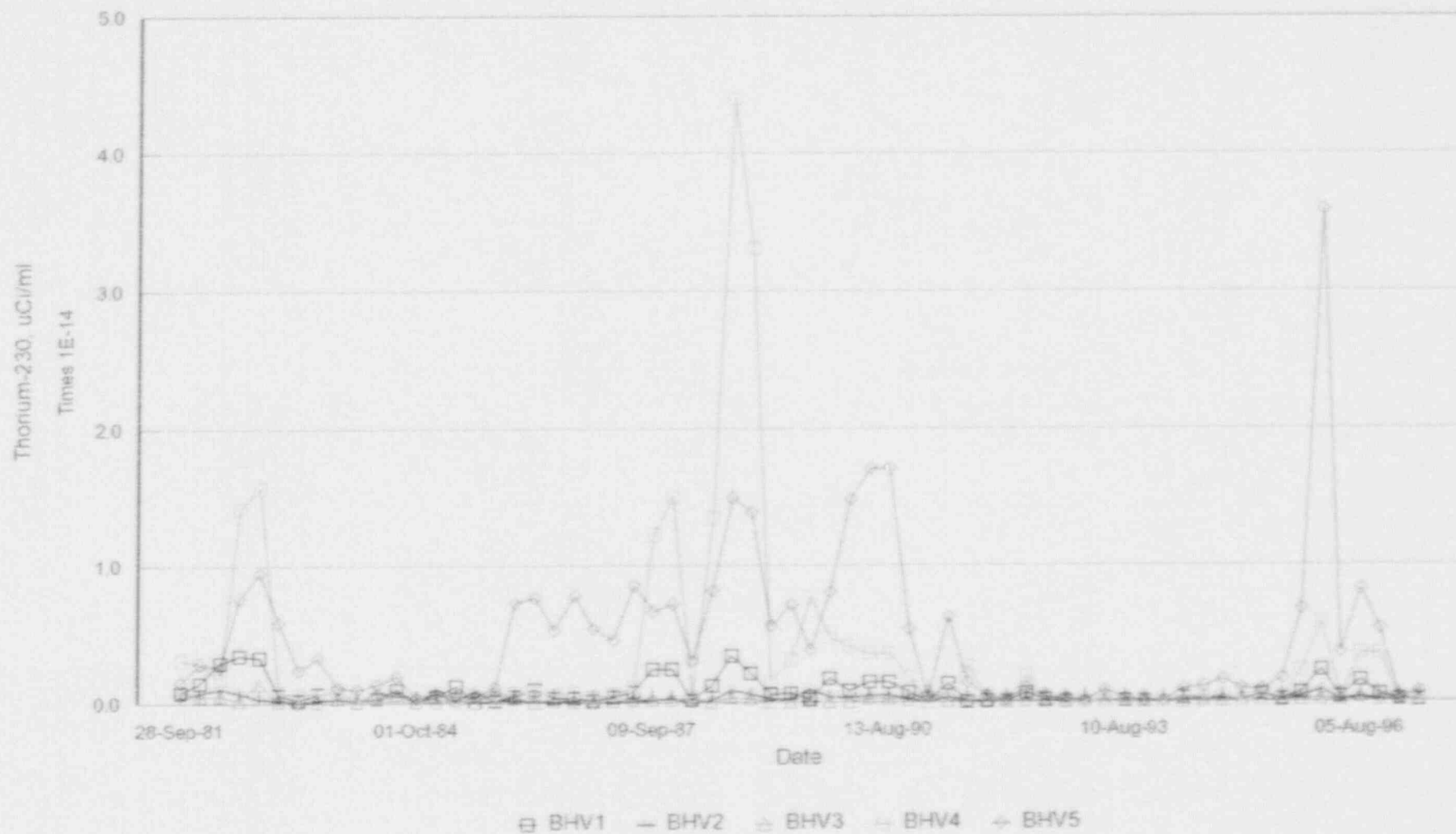


□ BHV1 — BHV2 △ EHV3 □ BHV4 + BHV5

GRAPH 12

INTERNATIONAL URANIUM CORP.

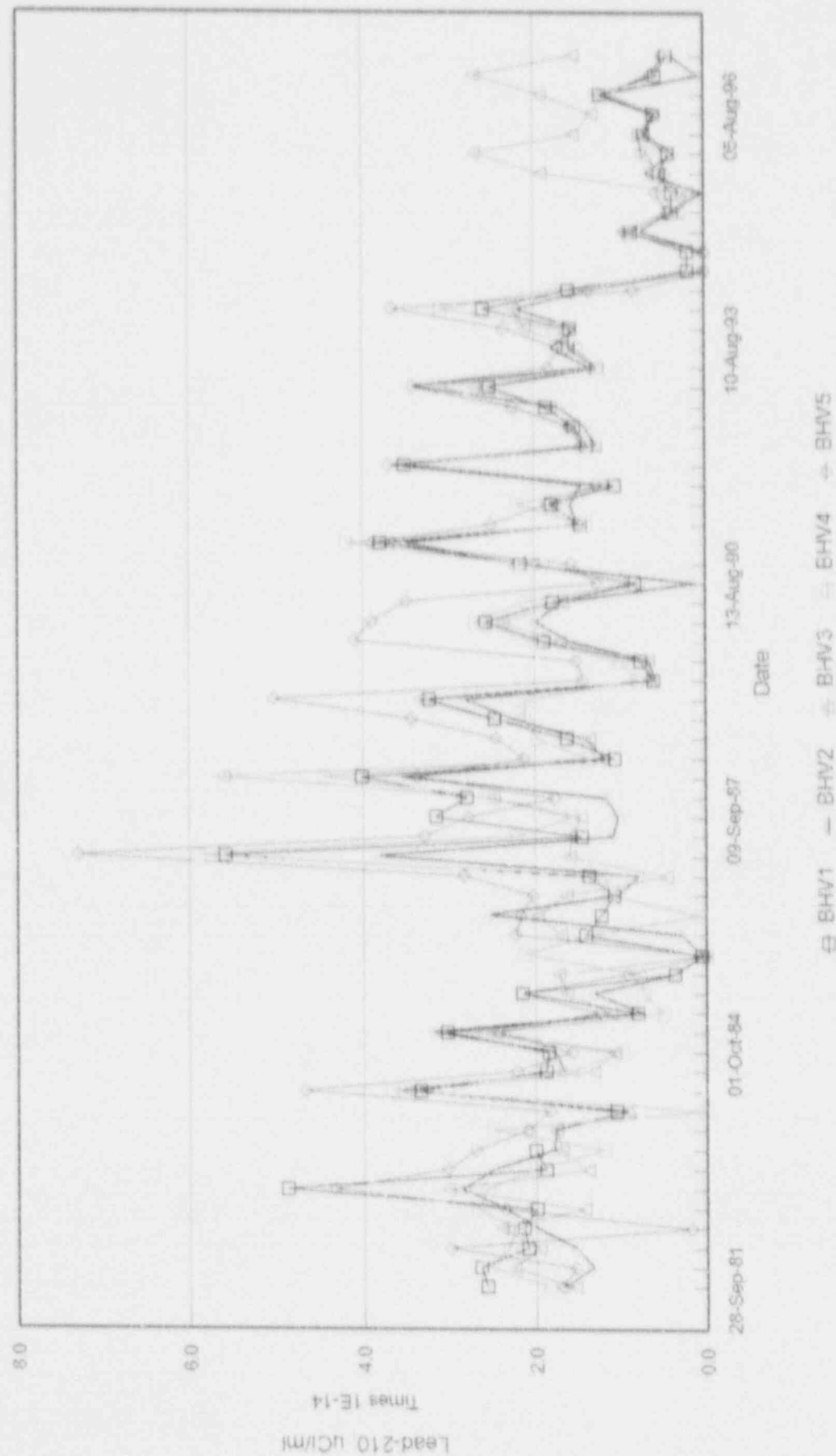
Particulate Radionuclides



GRAPH 13

INTERNATIONAL URANIUM CORP.

Particulate Radionuclides



GRAPH 14

TABLE 15

INTERNATIONAL URANIUM (USA) CORPORATION
WHITE MESA URANIUM MILL
SEMIANNUAL EFFLUENT AND MONITORING REPORT
Source Material License No. SUA-1358 Docket No. 40-8681

AIR PARTICULATES

Sampling Period and Location	Radionuclide	Net Release From Site(Background Subtracted) $\mu\text{Ci}/\text{ml}$	Sampling Period and Location	Radionuclide	Net Release From Site(Background Subtracted) $\mu\text{Ci}/\text{ml}$
11/6/96 - 2/6/97 Met. Station BHV-1	U-Nat. Th-230 Ra-226 Pb-210	0.00E+00 0.00E+00 1.00E-17 0.00E+00	2/6/97 - 5/5/97 Met. Station BHV-1	U-Nat. Th-230 Ra-226 Pb-210	0.00E+00 0.00E+00 0.00E+00 0.00E+00
11/6/96 - 2/6/97 Nearest Residence BHV-2	U-Nat. Th-230 Ra-226 Pb-210	0.00E+00 0.00E+00 0.00E+00 0.00E+00	2/6/97 - 5/5/97 Nearest Residence BHV-2	U-Nat. Th-230 Ra-226 Pb-210	0.00E+00 0.00E+00 0.00E+00 0.00E+00
11/6/96 - 2/6/97 South Tailing Area BHV-4	U-Nat. Th-230 Ra-226 Pb-210	0.00E+00 0.00E+00 0.00E+00 0.00E+00	2/6/97 - 5/5/97 South Tailing Area BHV-4	U-Nat. Th-230 Ra-226 Pb-210	0.00E+00 1.00E-18 4.20E-17 0.00E+00
11/6/96 - 2/6/97 S.E. Tailing Area BHV-5	U-Nat. Th-230 Ra-226 Pb-210	0.00E+00 0.00E+00 6.90E-17 0.00E+00	2/6/97 - 5/5/97 S.E. Tailing Area BHV-5	U-Nat. Th-230 Ra-226 Pb-210	4.44E-16 5.85E-16 4.25E-16 0.00E+00

TABLE 16

INTERNATIONAL URANIUM (USA) CORPORATION
 WHITE MESA URANIUM MILL
 SEMIANNUAL EFFLUENT AND MONITORING REPORT
 Source Material License No. SUA-1358 Docket No. 40-8681

RADIOLOGICAL 50 YEAR DOSE COMMITMENT
 TO THE NEAREST RESIDENT FROM THE
 INHALATION OF AIRBORNE PARTICULATES
 FIRST QUARTER

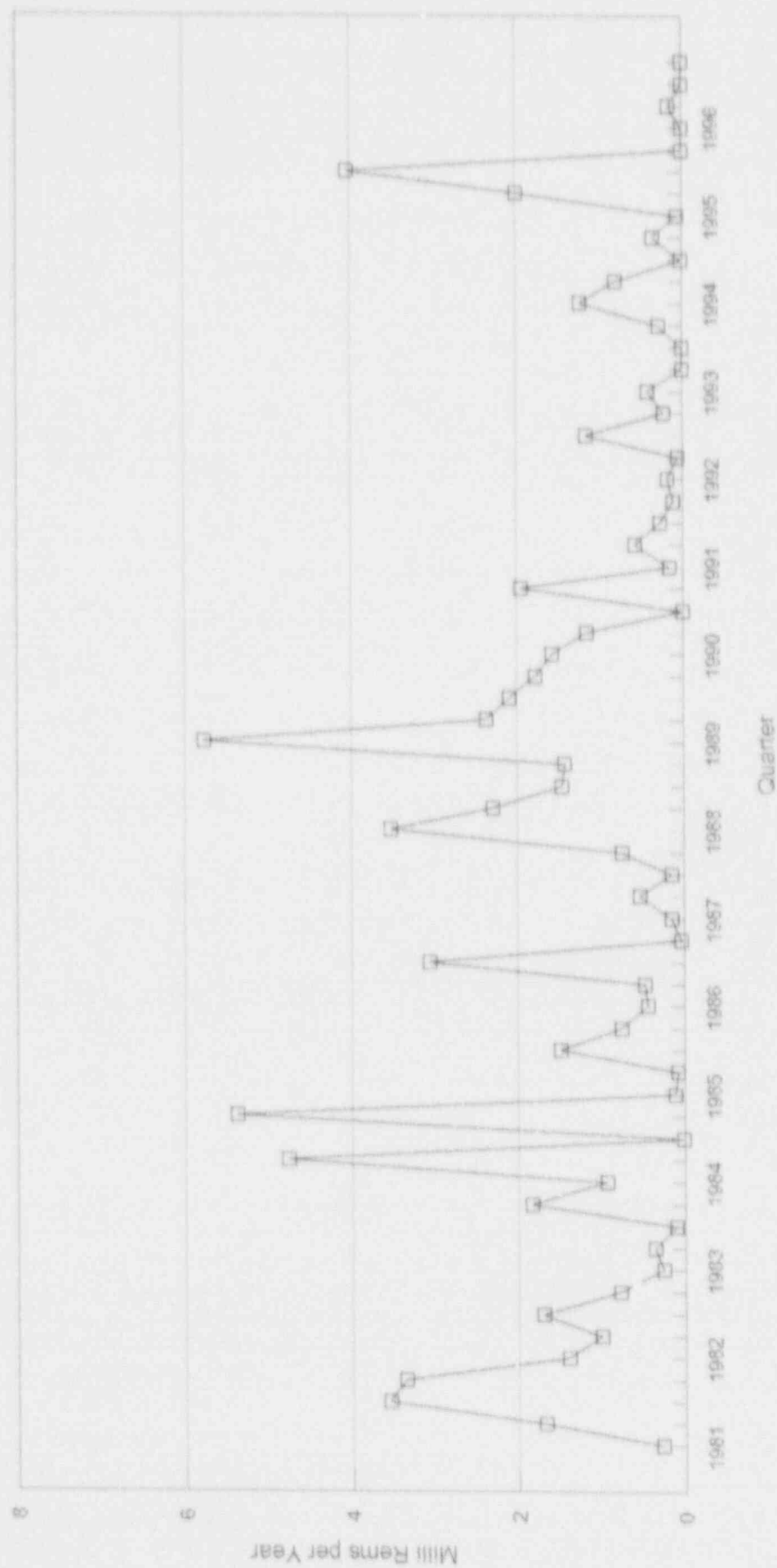
Radionuclide	Net Concentration (Background Subtracted) $\mu\text{Ci/ml}$	Dose mrem/Year		MASS AVERAGE LUNG
		WHOLE BODY	BONE	
U-238	0.00E+00	0.0000	0.0000	0.0000
U-234	0.00E+00	0.0000	0.0000	0.0000
Th-230	0.00E+00	0.0000	0.0000	0.0000
Ra-226	0.00E+00	0.0000	0.0000	0.0000
Pb-210	0.00E+00	0.0000	0.0000	0.0000
TOTAL		0.0000	0.0000	0.0000

SECOND QUARTER

Radionuclide	Net Concentration (Background Subtracted) $\mu\text{Ci/ml}$	Dose mrem/Year		MASS AVERAGE LUNG
		WHOLE BODY	BONE	
U-238	0.00E+00	0.0000	0.0000	0.0000
U-234	0.00E+00	0.0000	0.0000	0.0000
Th-230	0.00E+00	0.0000	0.0000	0.0000
Ra-226	0.00E+00	0.0000	0.0000	0.0000
Pb-210	0.00E+00	0.0000	0.0000	0.0000
		0.0000	0.0000	0.0000

WHITE MESA MILL

50 Year Doses



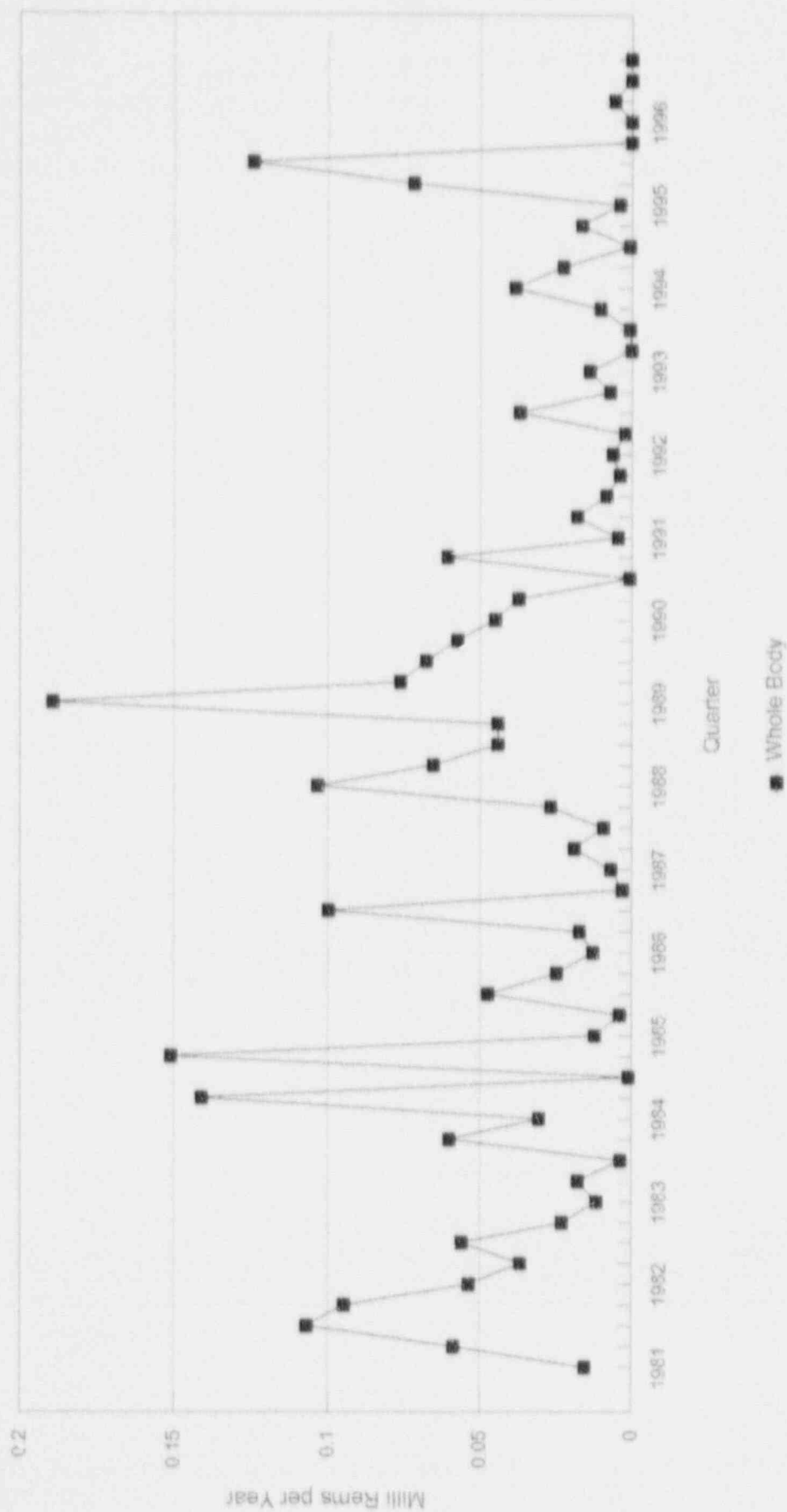
□ Bone

◆ Quarter

GRAPH 15

WHITE MESA MILL

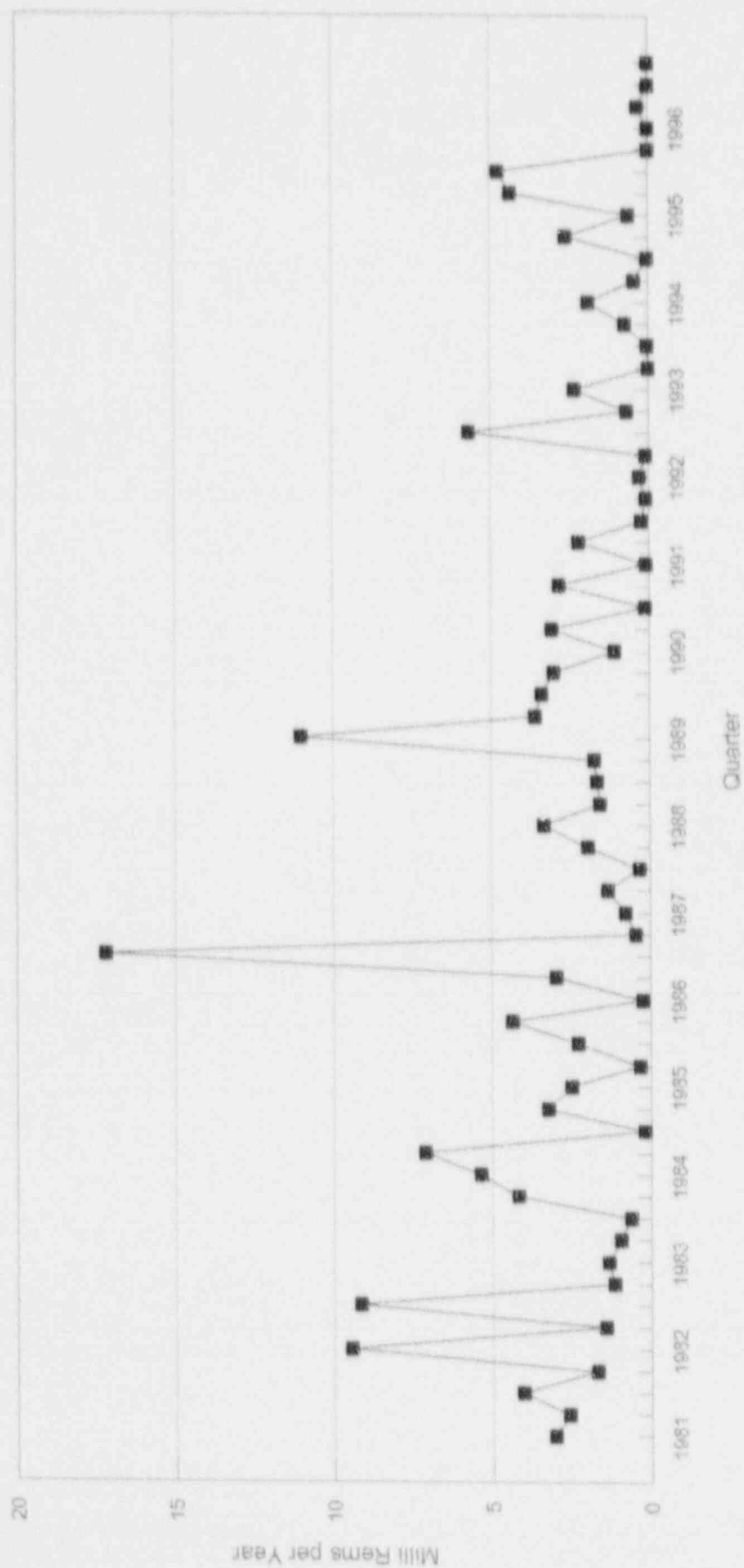
50 Year Doses



GRAPH 16

WHITE MESA MILL

50 Year Doses



■ Lung

GRAPH 17

INTERNATIONAL URANIUM CORPORATION
WHITE MESA URANIUM MILL
SEMI-ANNUAL EFFLUENT AND MONITORING REPORT
Source Material License No. SUA-1355 Docket No. 40-8681

MONITOR WELLS
WATER QUALITY ANALYSIS
FIRST QUARTER
GROUNDWATER

[illegible]

INTERNATIONAL URANIUM (USA) CORPORATION
WHITE MESA MILL
GROUNDWATER ANALYSIS
SEMI-ANNUAL EFFLUENT REPORT
2ND QUARTER 1997

[illegible][illegible]

TABLE 19

International Uranium (USA) Corporation
WHITE MESA MILL

QUALITY CONTROL DUPLICATE SAMPLES
FIRST QUARTER 1997

	Monitor Well 4	Blind Duplicate @	Per Cent Difference	Monitor Well 11	Blind Duplicate	Per Cent Difference	Monitor** Well 13	Monitor** Well 13A	Monitor Well QC	Spike Value	Per Cent Difference
Chloride	72	64	11.11%	28.7	29.8	3.69%	<1	<1	96.7	100	3.30%
Sulfate	1940	1984	2.22%	922	966	6.49%	1	1.5	988	1000	1.20%
Potassium	11.7	13.7	14.60%	5.7	6.1	6.56%	<1	<1	10.3	9	12.62%
Sodium	164	160	2.44%	503	537	6.33%	<1	<1	307	325	5.54%
TDS	3470	3571	2.83%	2030	1880	7.39%	<2	<2	1610	1645	2.13%
Nickel	0.05	0.092	45.65%	<0.05	<0.05	0.00%	<0.05	<0.05	0.85	1	15.00%
U	1.35E-08	1.93E-08	30.05%	<2e-10	<2e-10	0.00%	<2E-10	<2E-10	0.1	0.1	0.00%

@ is In House Lab Results

	Monitor Well 15	Blind Duplicate	Per Cent Difference	Monitor Well QC @	Spike Value	Per Cent Difference
Chloride	38	38.9	2.31%	96.7	100	3.30%
Sulfate	2210	2220	0.45%	988	1000	1.20%
Potassium	9.6	9.6	0.00%	10.3	9	12.62%
Sodium	471	469	0.42%	307	325	5.54%
TDS	3940	3960	0.51%	1610	1645	2.13%
Nickel	<0.05	<0.05	0.00%	0.85	1	15.00%
U	3.05E-08	3.1E-08	1.61%	0.1	0.1	0.00%

TABLE 19
CONTINUED
International Uranium (USA) Corporation
WHITE MESA MILL

QUALITY CONTROL DUPLICATE SAMPLES
SECOND QUARTER 1997

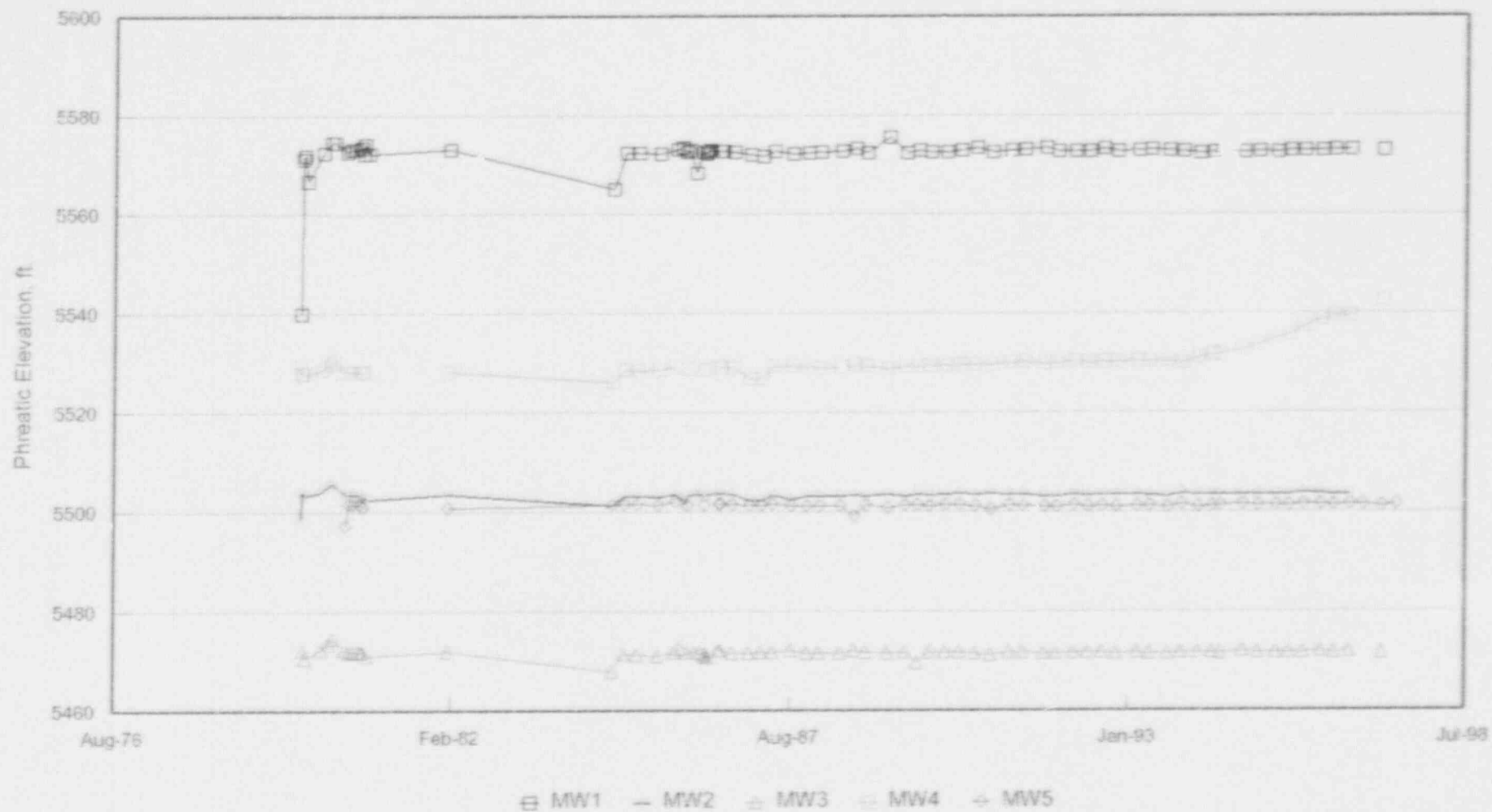
	Monitor Well 11	Blind Duplicate	Per Cent Difference	Monitor Well 12	Blind Duplicate @	Per Cent Difference	Monitor** Well 13	Monitor Well QC @	Spike Value	Per Cent Difference
Chloride	29.2	29.4	0.68%	55.9	56.2	0.53%	<1	45	50	10.00%
Potassium	5.7	5.7	0.00%	12.4	15.1	17.88%	<1	13.9	15	7.33%
Nickel	<0.05	<0.05	0.00%	0.049	0.031	36.73%	<0.05	0.62	0.5	19.35%
U-Natural	6.77E-08	6.8E-08	0.00%	1.02E-08	1.48E-08	31.08%	<2E-10	0.046	0.05	8.00%

** Actual flushing of hose reel with a blank of de-ionized water, recirculated for 30 minutes

	Monitor Well QC	Spike Value	Per Cent Difference
Chloride	44.9	50	10.20%
Potassium	13.8	15	8.00%
Nickel	0.46	0.5	8.00%
U-Natural	0.046	0.05	8.00%

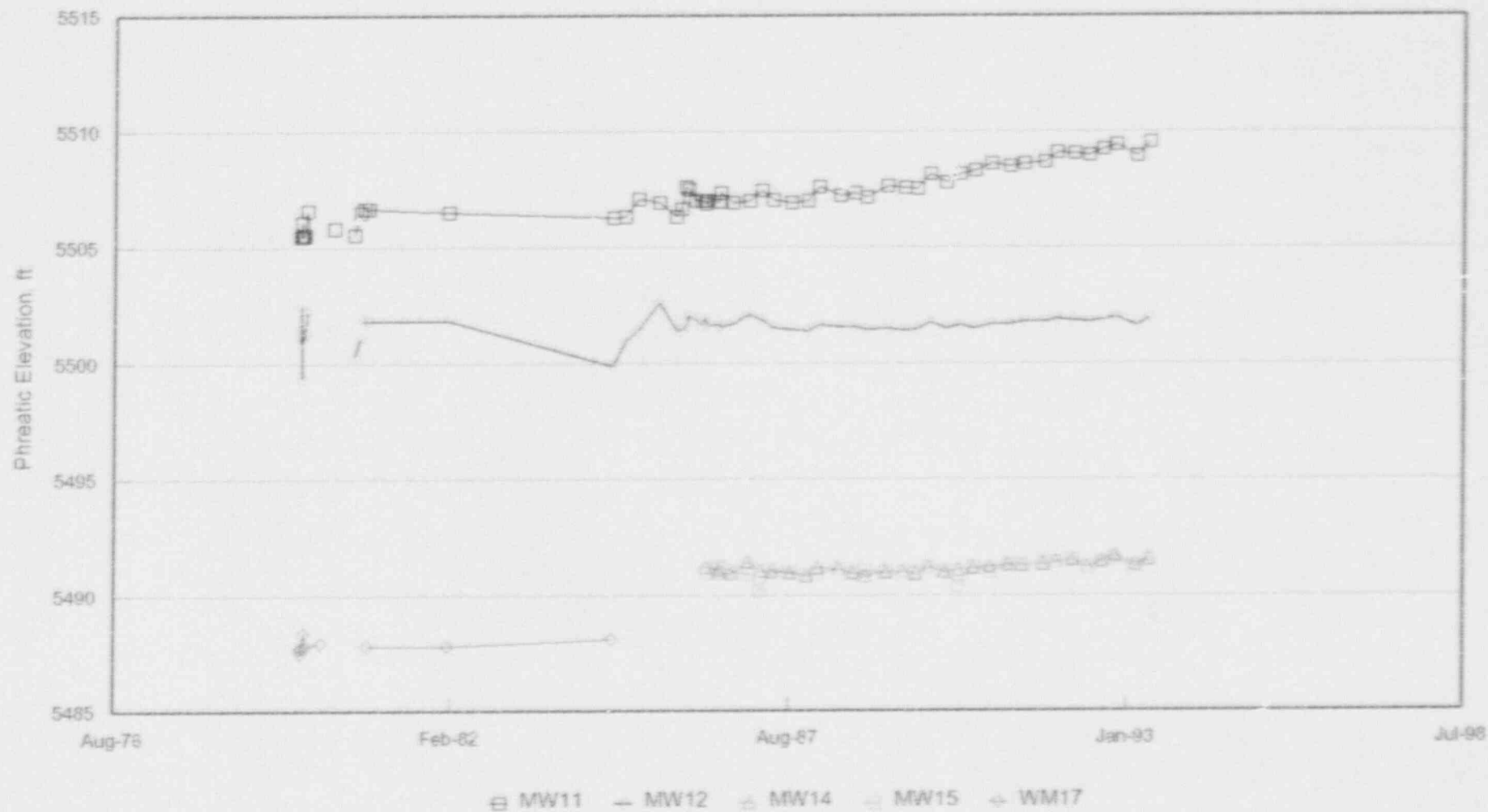
INTERNATIONAL URANIUM (USA) CORP.

WHITE MESA MILL



GRAPH 18

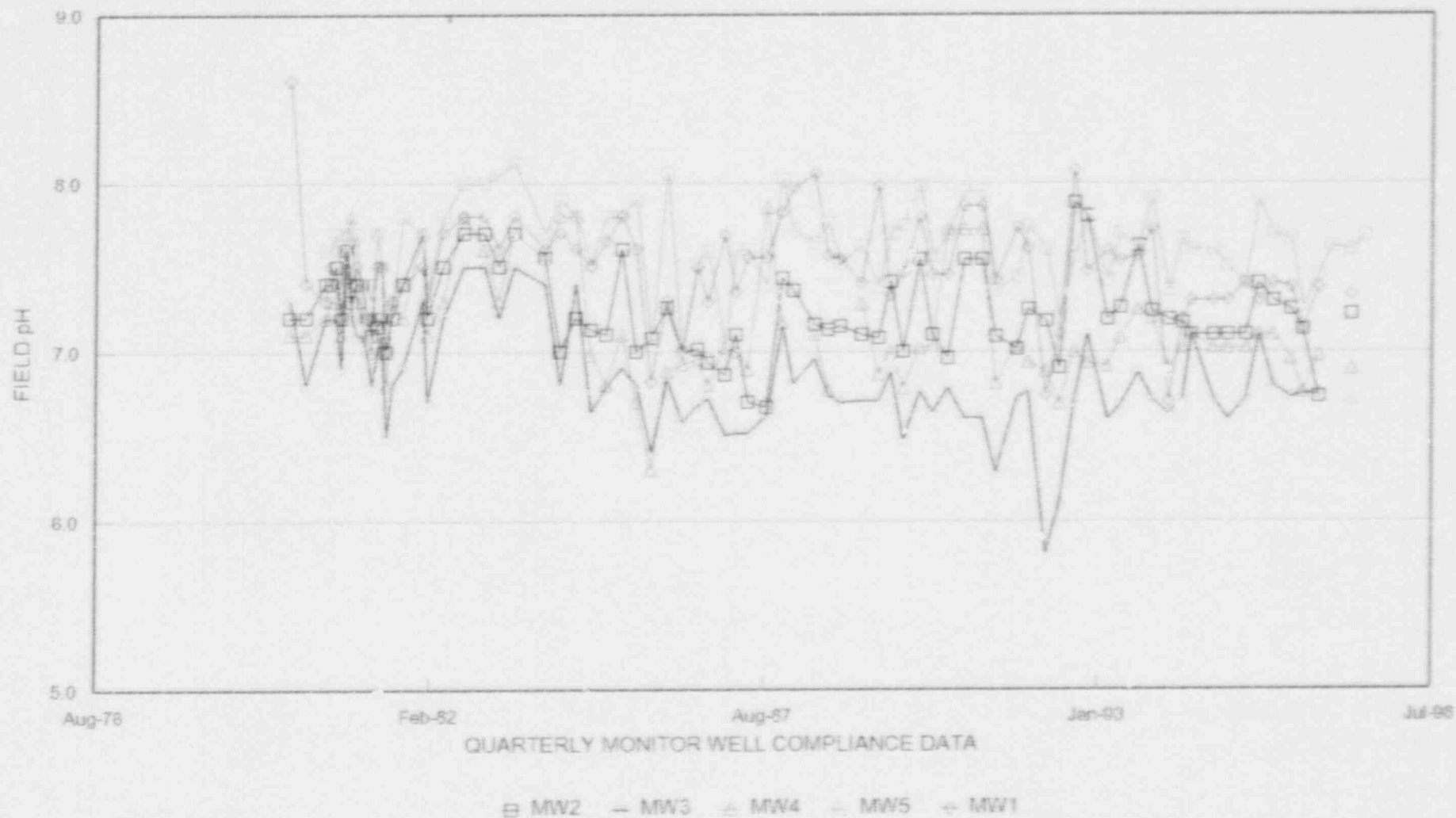
INTERNATIONAL URANIUM (USA) CORP.
WHITE MESA MILL



GRAPH 19

INTERNATIONAL URANIUM (USA) CORP.

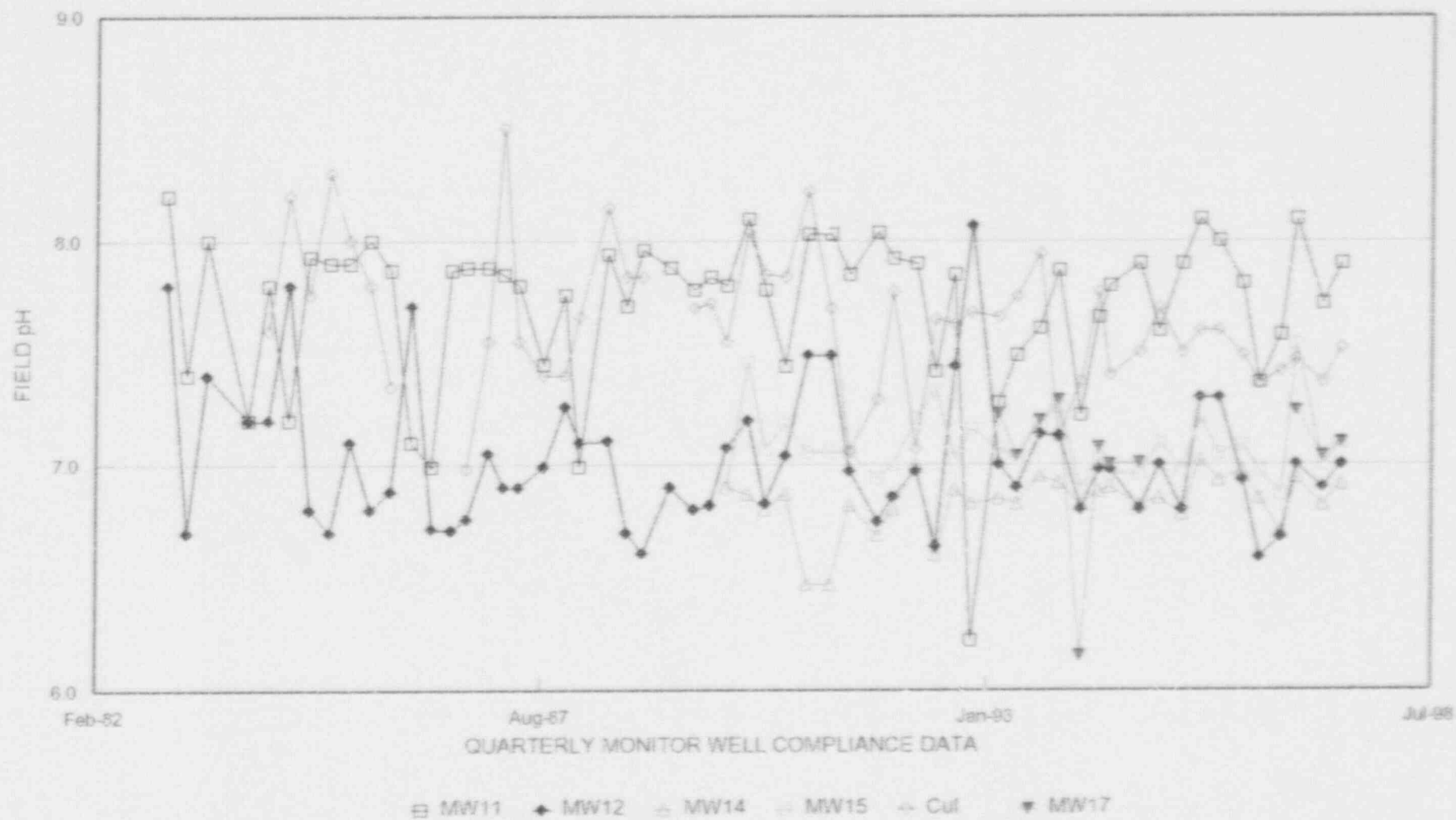
WHITE MESA MILL



GRAPH 20

INTERNATIONAL URANIUM (USA) CORP.

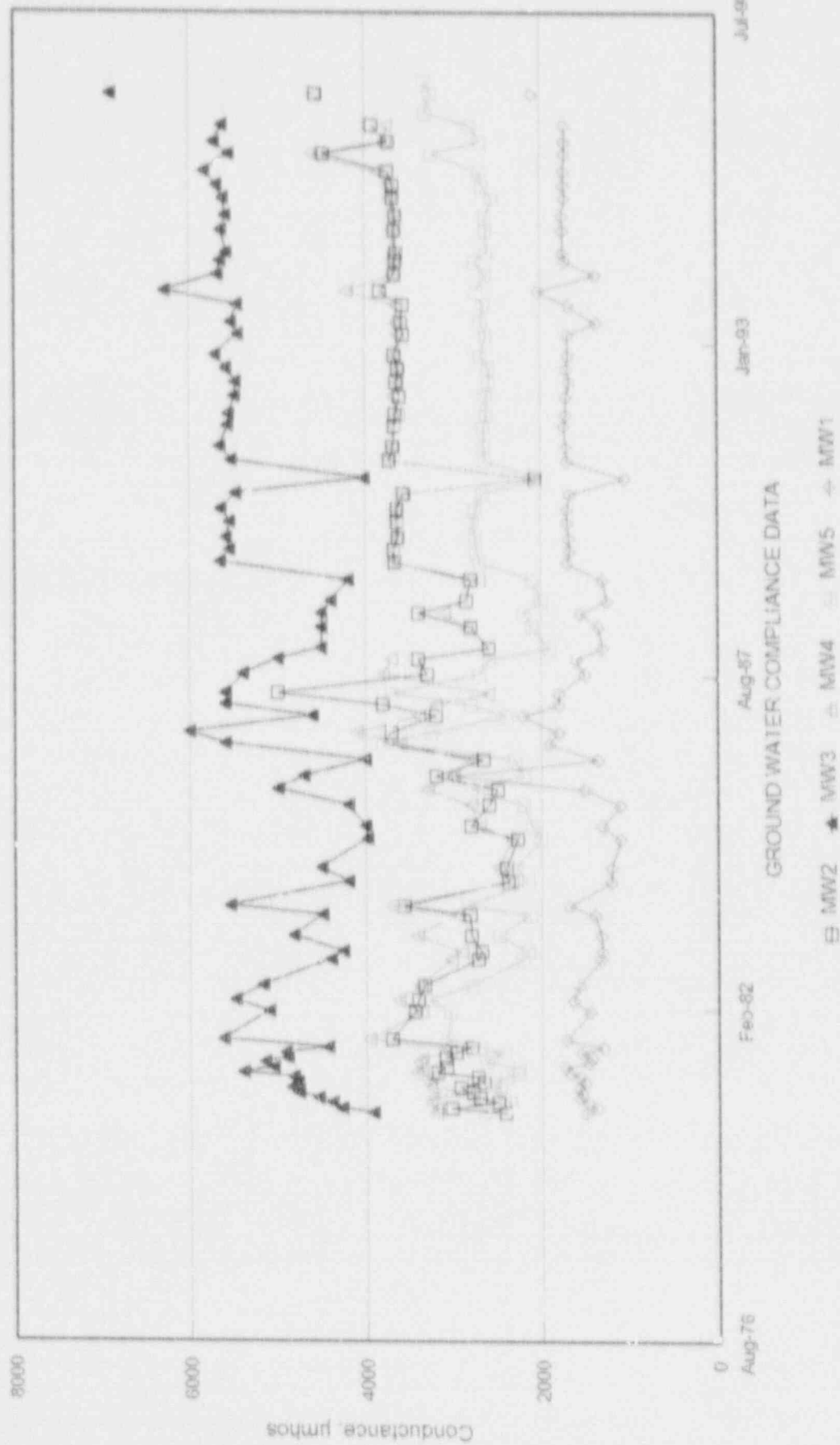
WHITE MESA MILL



GRAPH 21

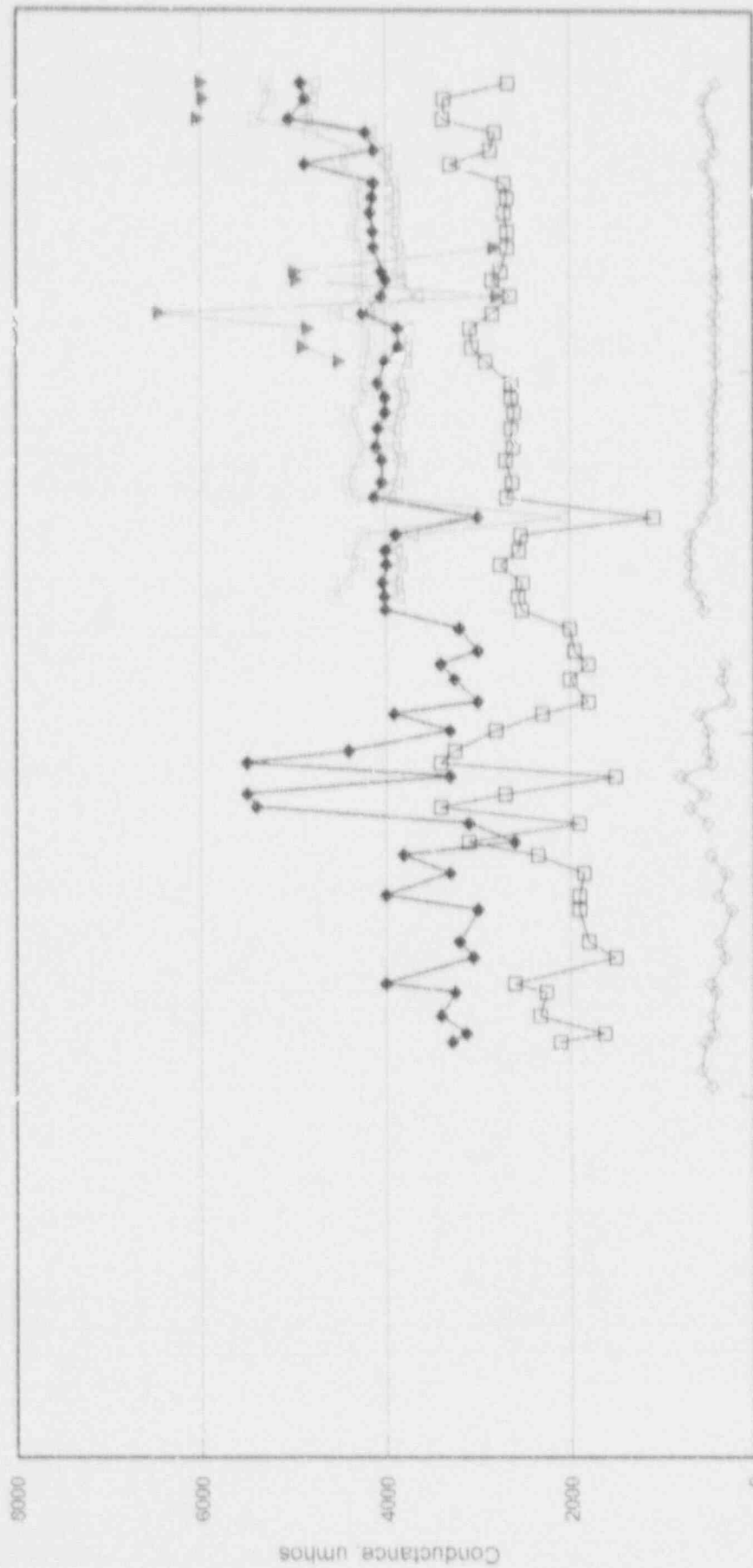
INTERNATIONAL URANIUM (USA) CORP.

WHITE MESA MILL



GRAPH 22

INTERNATIONAL URANIUM (USA) CORP. WHITE MESA MILL



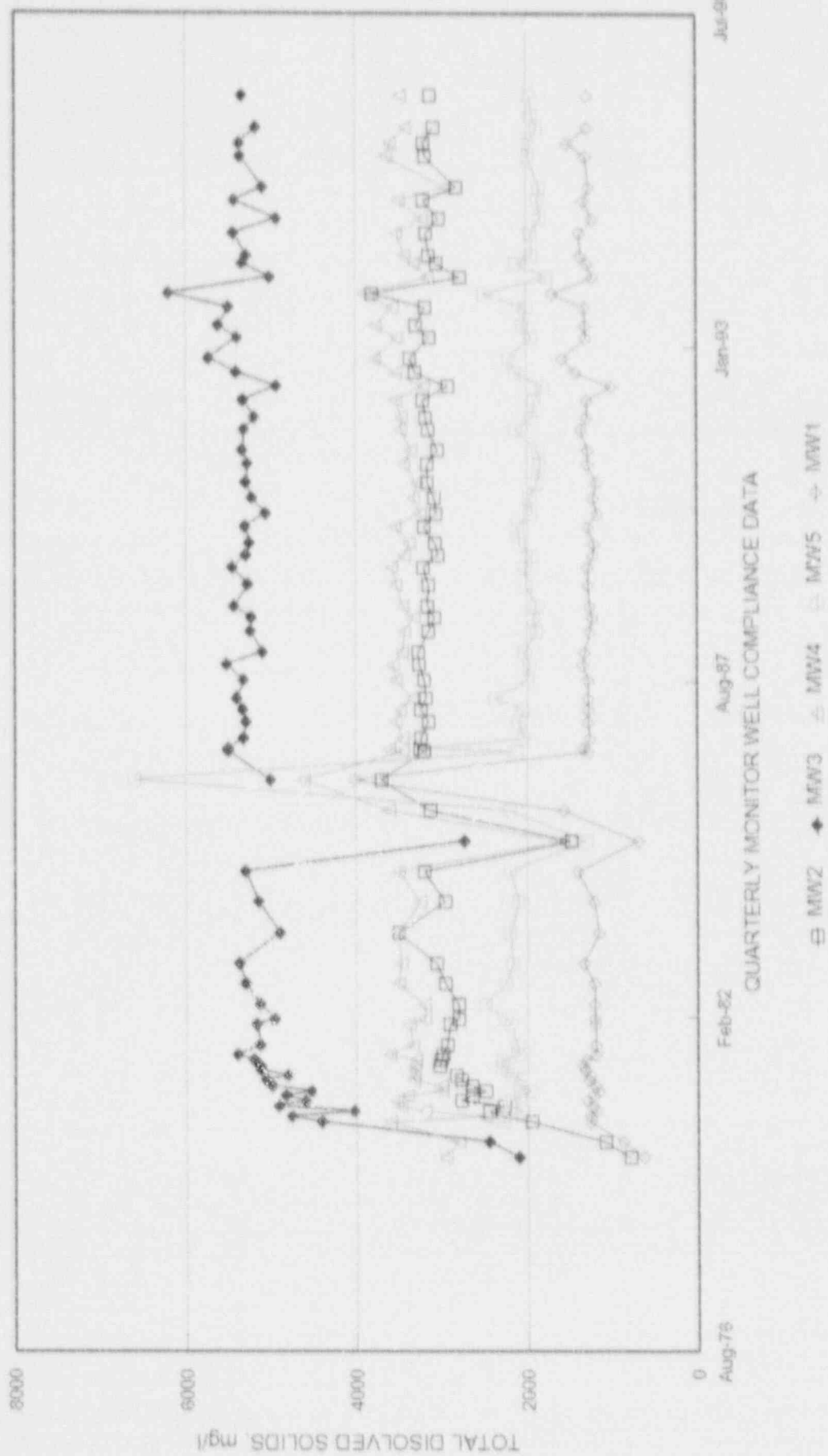
Aug-76 Feb-82 Aug-87 Jan-93 Jul-98

GROUND WATER COMPLIANCE DATA

□ MW11 ♦ MW12 ○ MW14 △ MW15 + Cul ▼ MW17

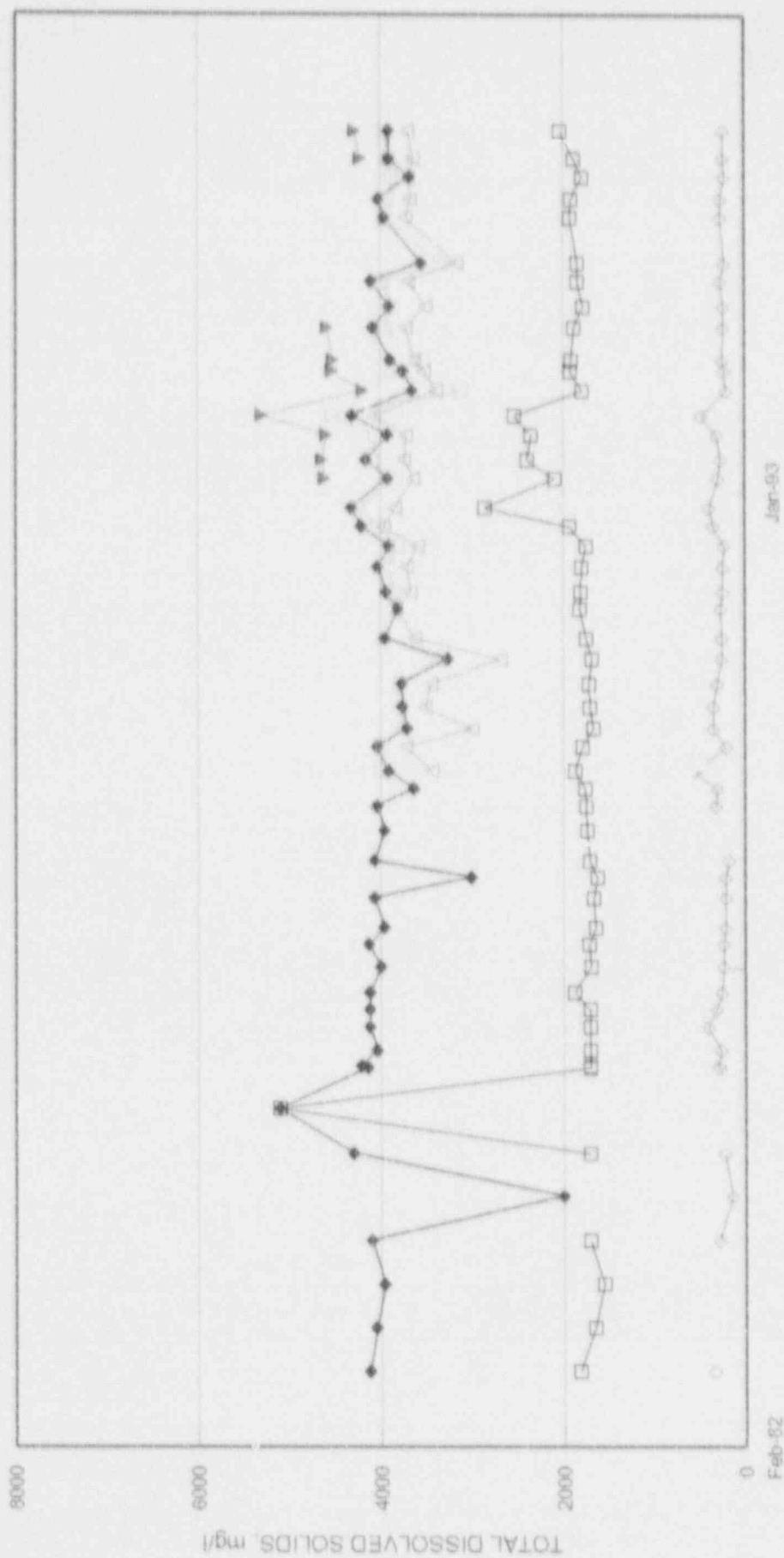
GRAPH 23

INTERNATIONAL URANIUM (USA) CORP. WHITE MESA MILL



GRAPH 24

INTERNATIONAL URANIUM (USA) CORP. WHITE MESA MILL

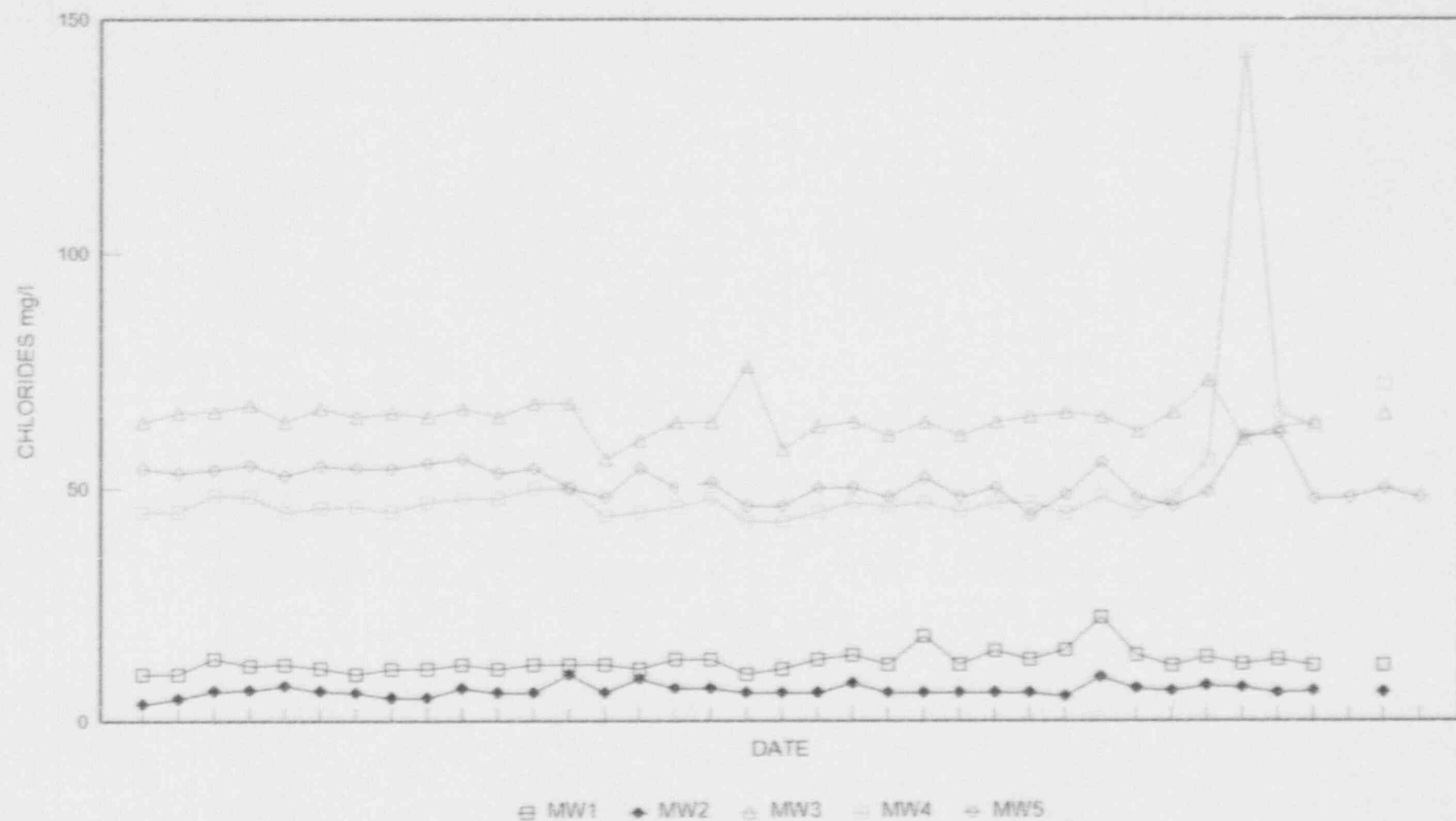


QUARTERLY MONITOR WELL COMPLIANCE DATA

MW11
 MW12
 MW14
 MW15
 MW17

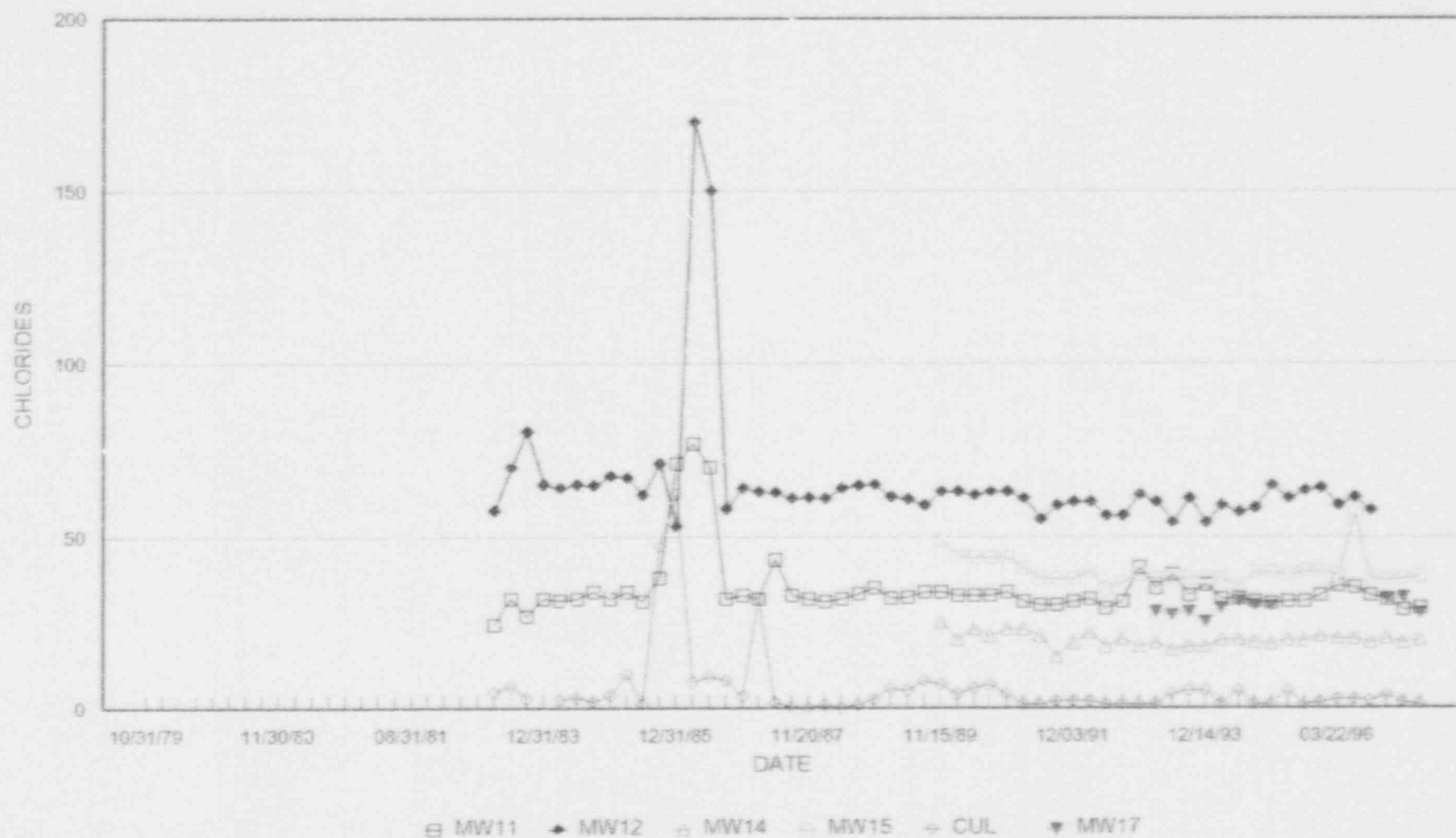
INTERNATIONAL URANIUM (USA) CORP.

WHITE MESA MILL



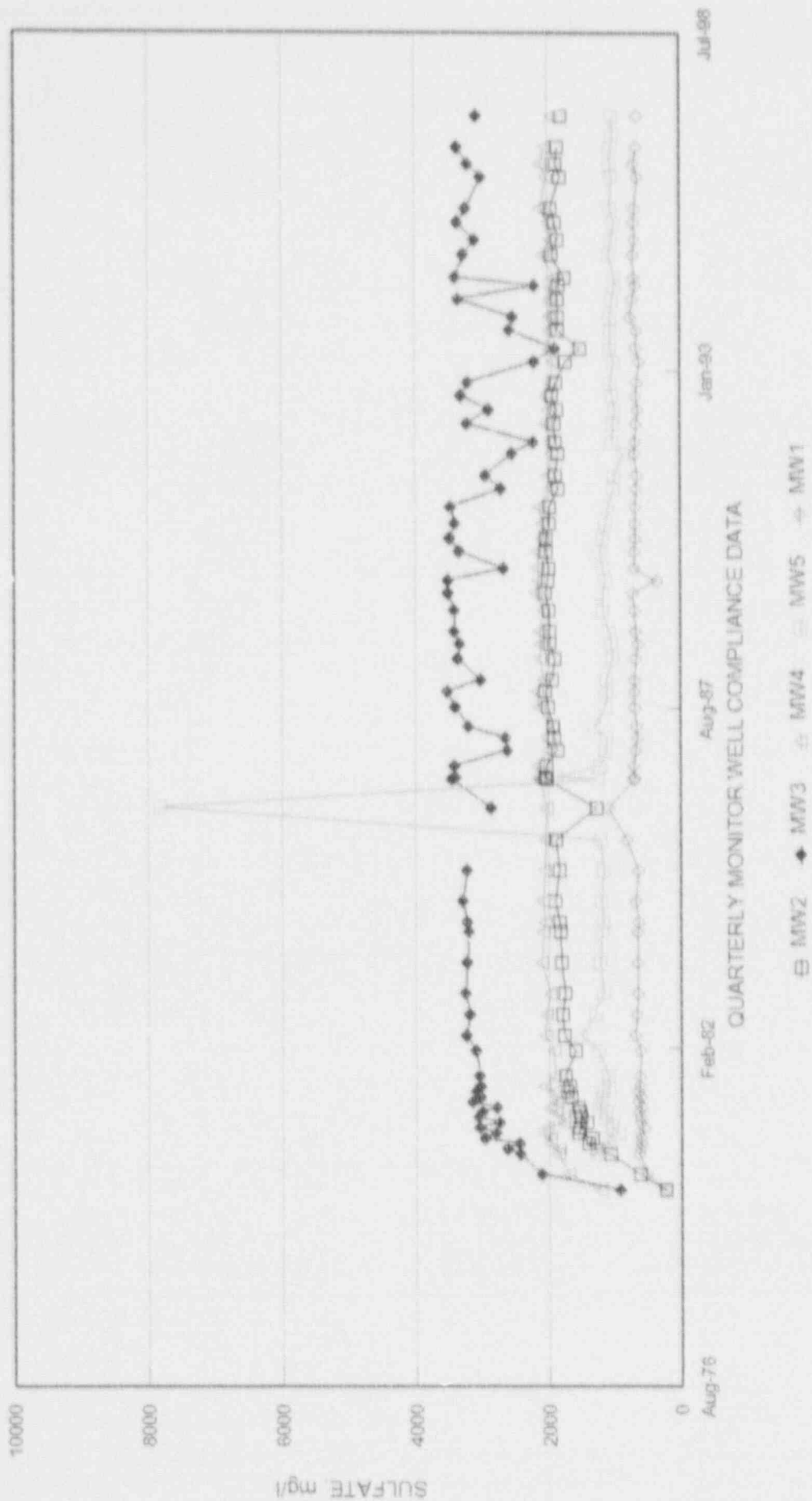
GRAPH 26

INTERNATIONAL URANIUM (USA) CORP.
WHITE MESA MILL



GRAPH 27

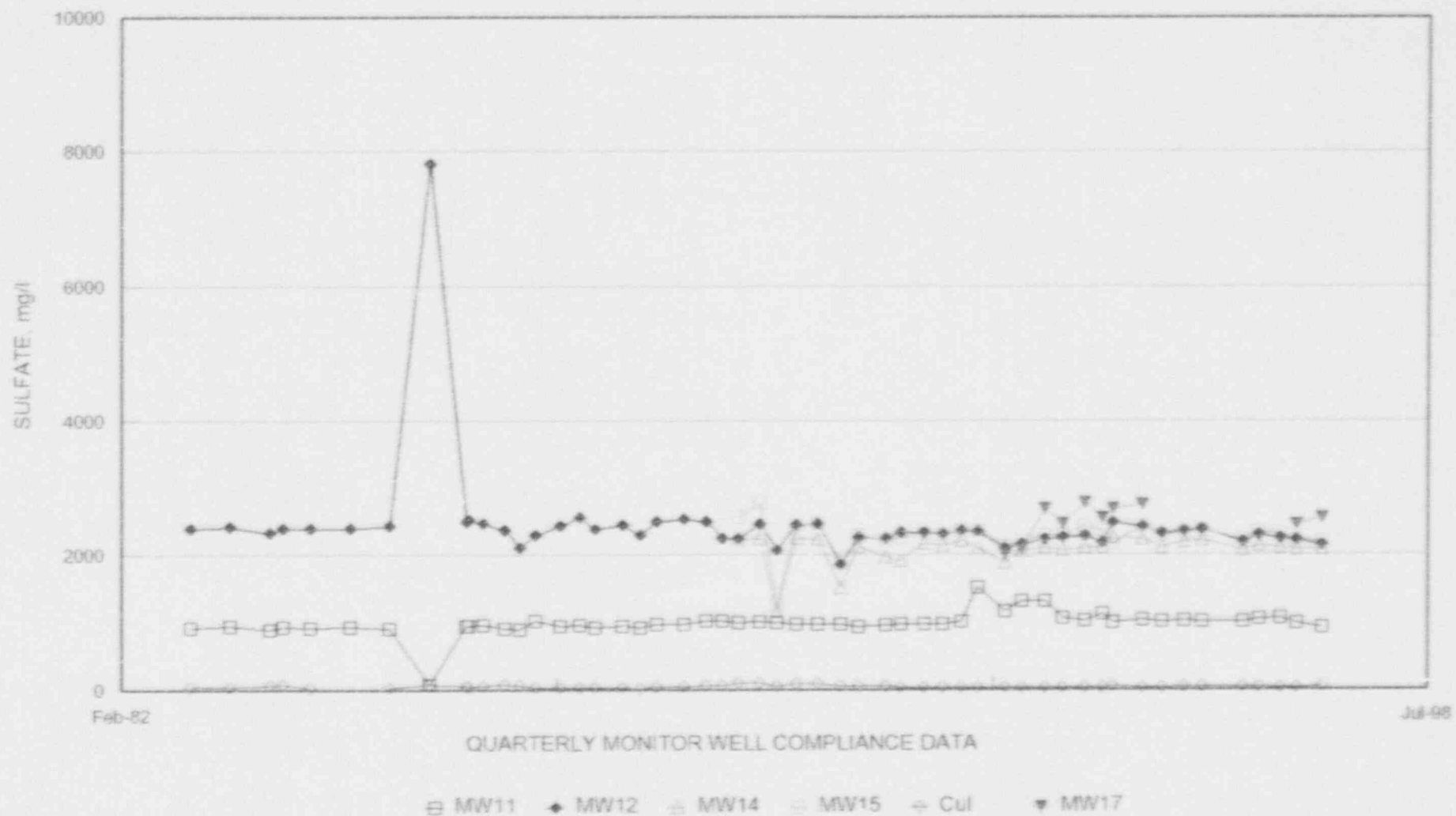
INTERNATIONAL URANIUM (USA) CORP. WHITE MESA MILL



GRAPH 28

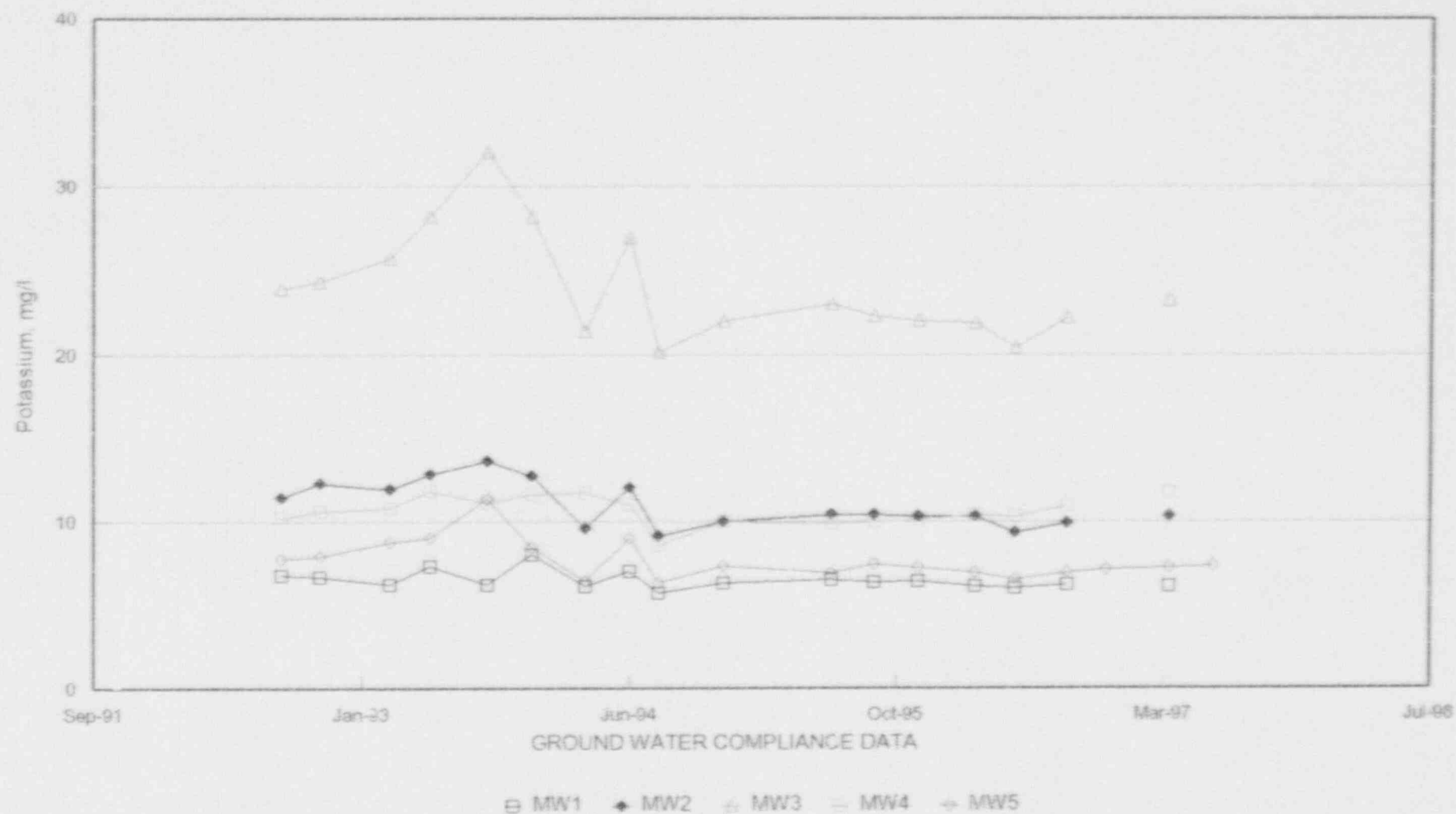
INTERNATIONAL URANIUM (USA) CORP.

WHITE MESA MILL



GRAPH 29

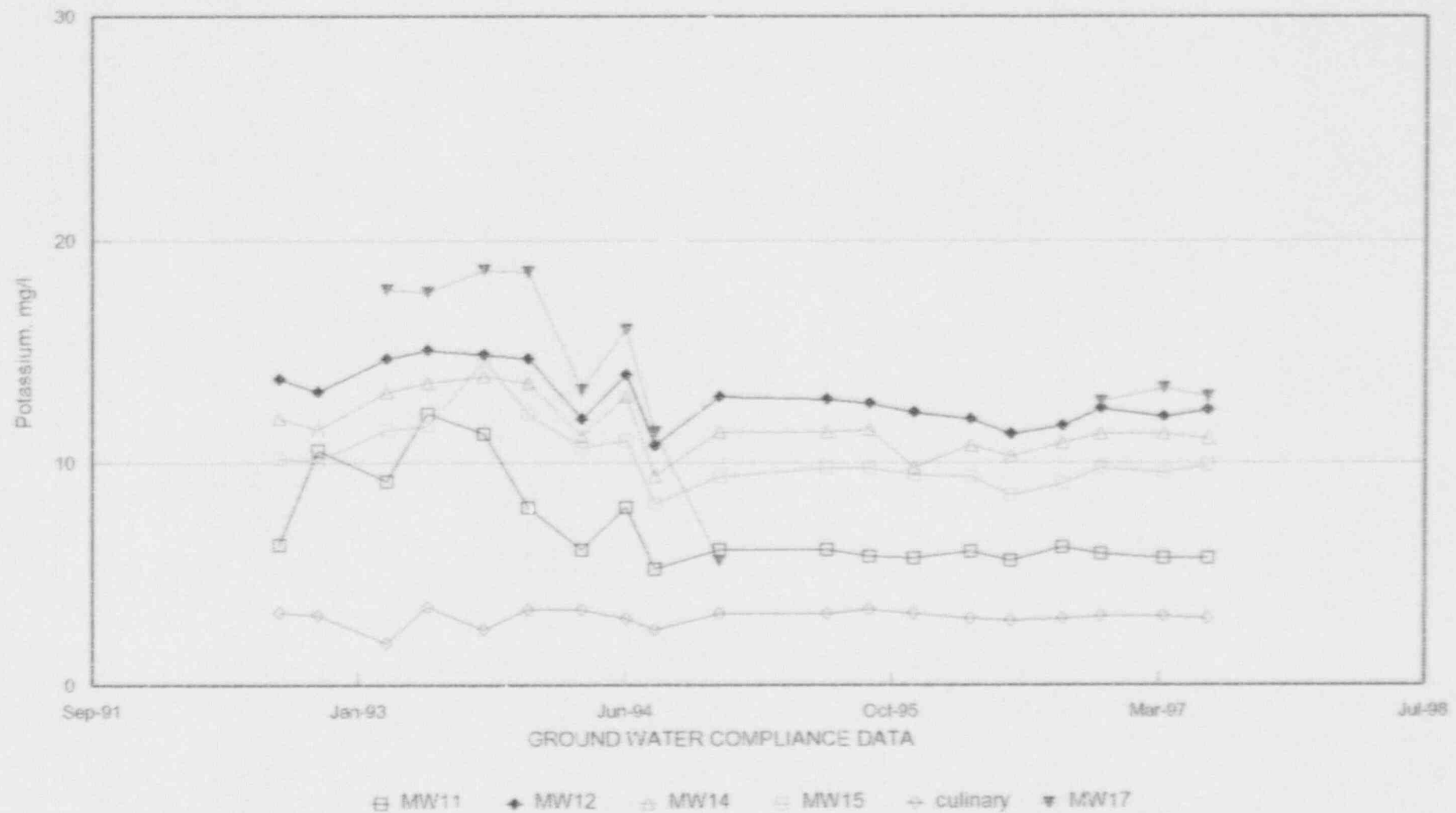
INTERNATIONAL URANIUM (USA) CORP.
WHITE MESA MILL



GRAPH 30

INTERNATIONAL URANIUM (USA) CORP.

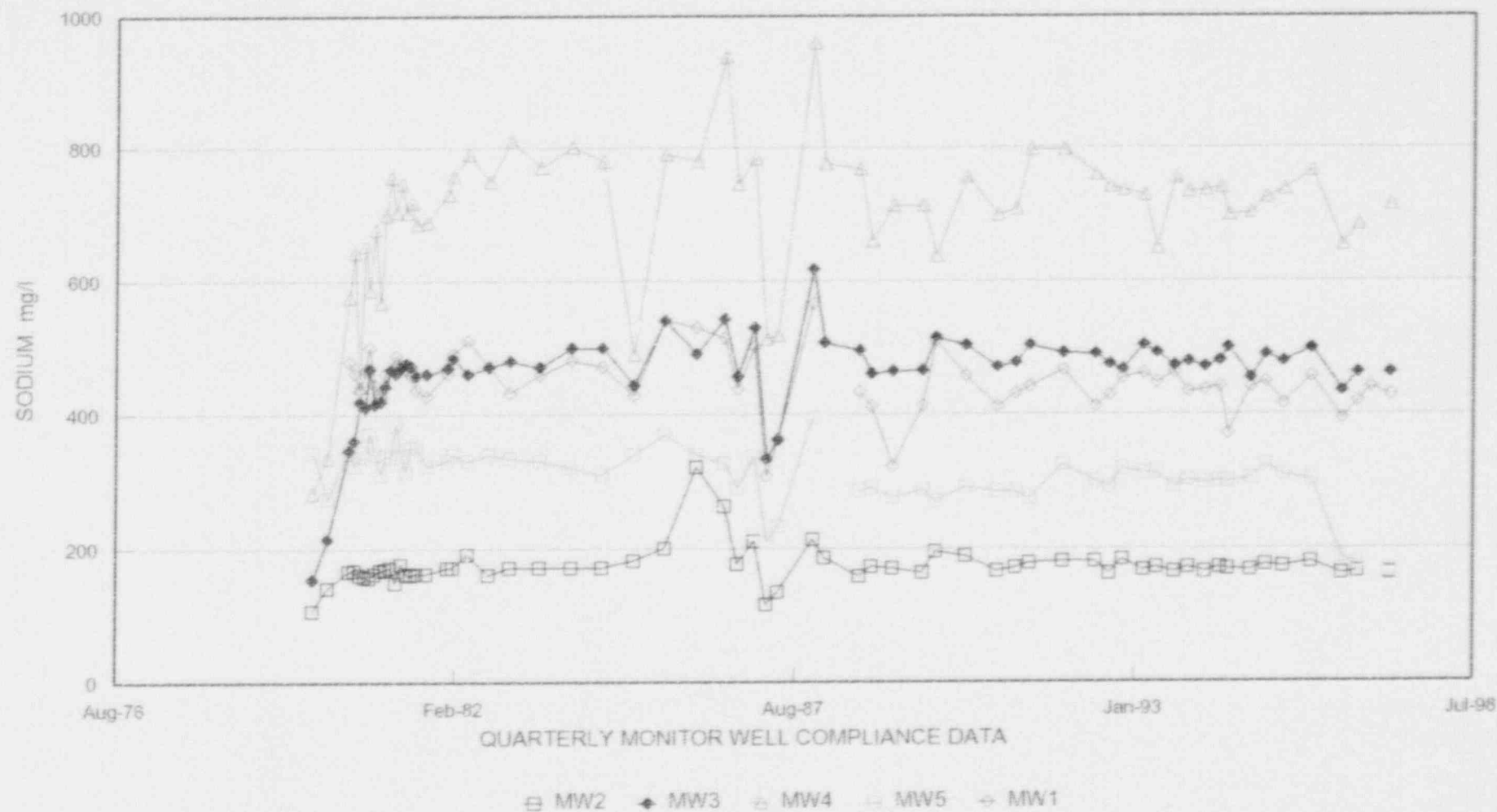
WHITE MESA MILL



GRAPH 31

INTERNATIONAL URANIUM (USA) CORP.

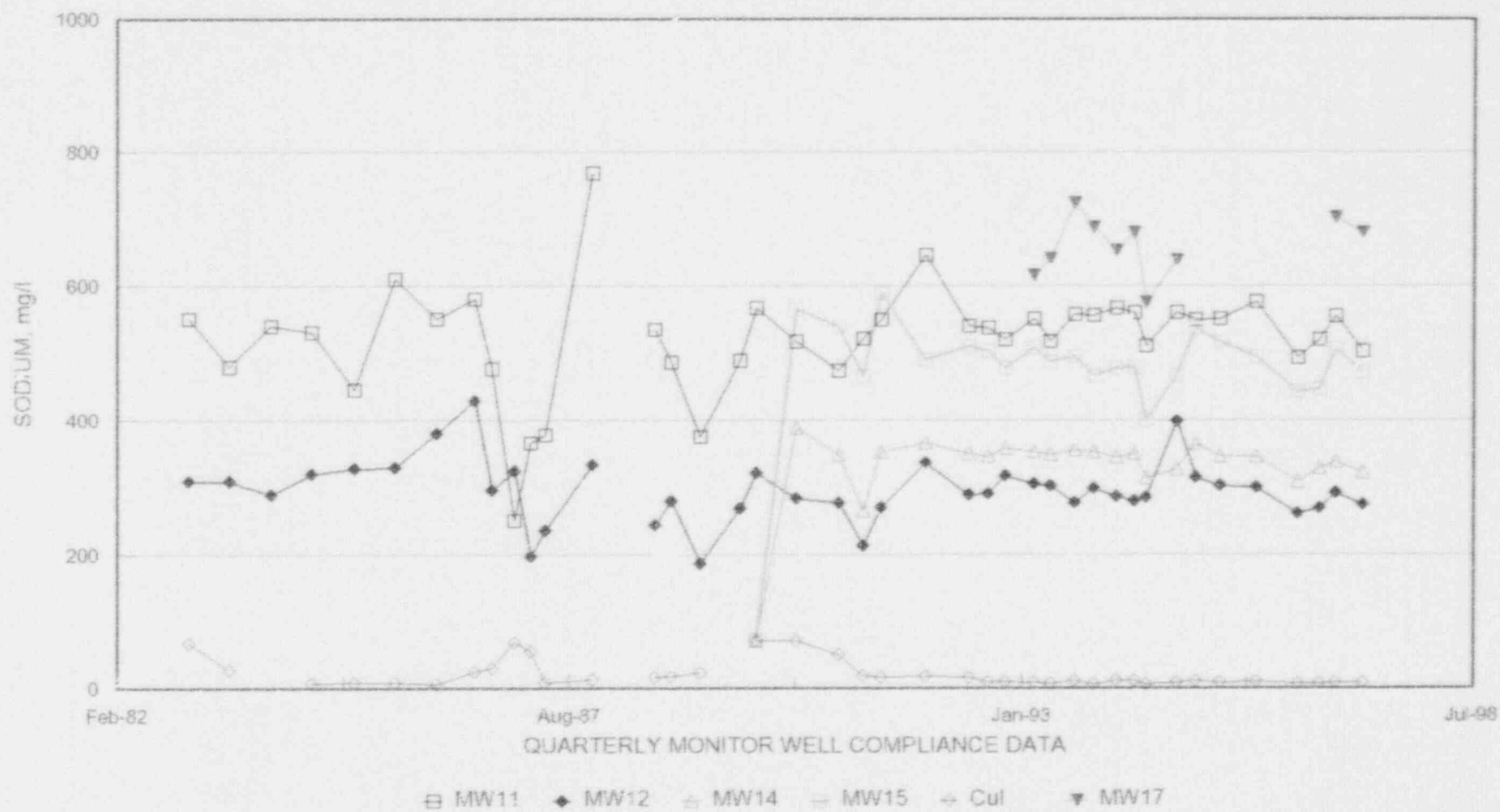
WHITE MESA MILL



GRAPH 32

INTERNATIONAL URANIUM (USA) CORP.

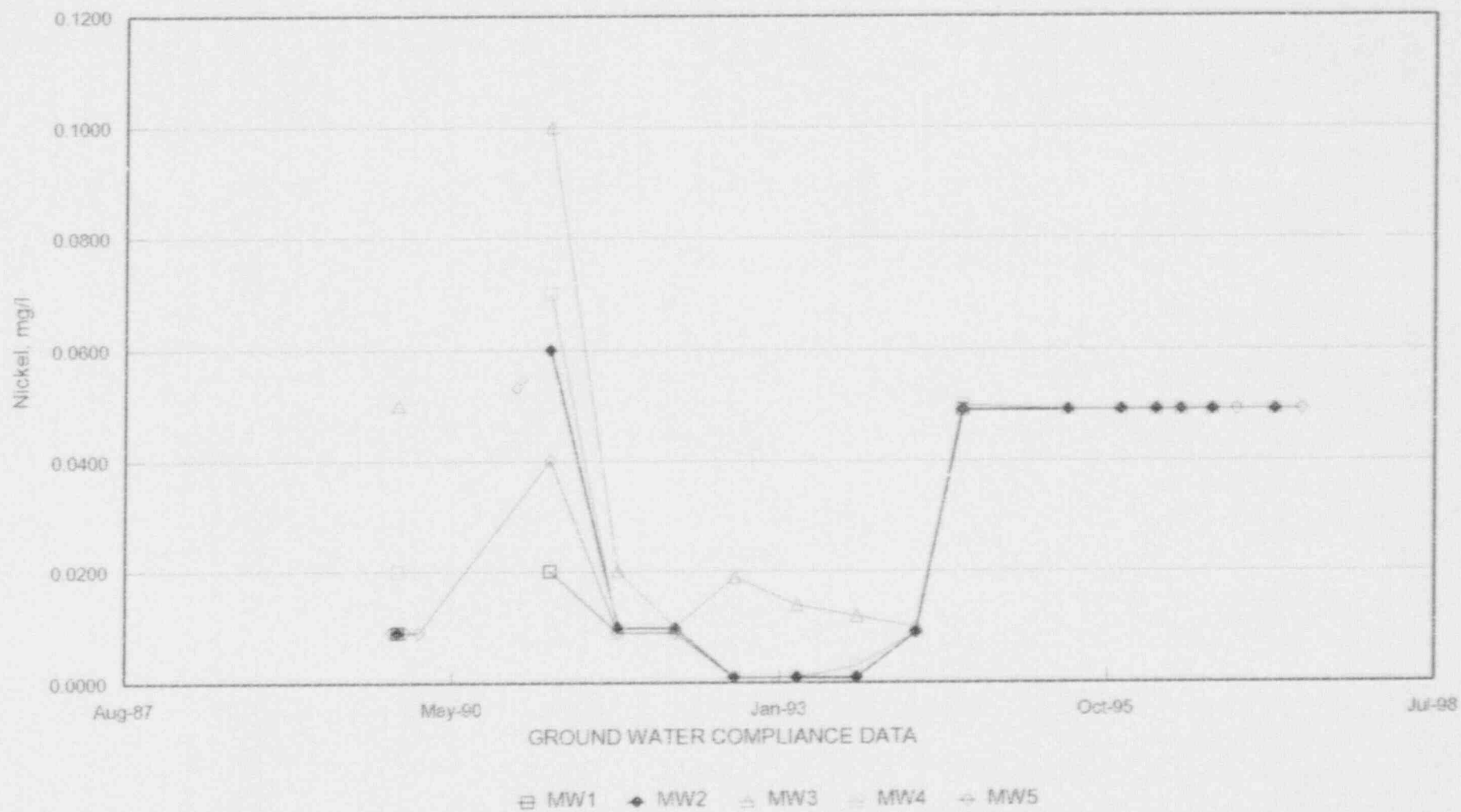
WHITE MESA MILL



Graph 33

INTERNATIONAL URANIUM (USA) CORP.

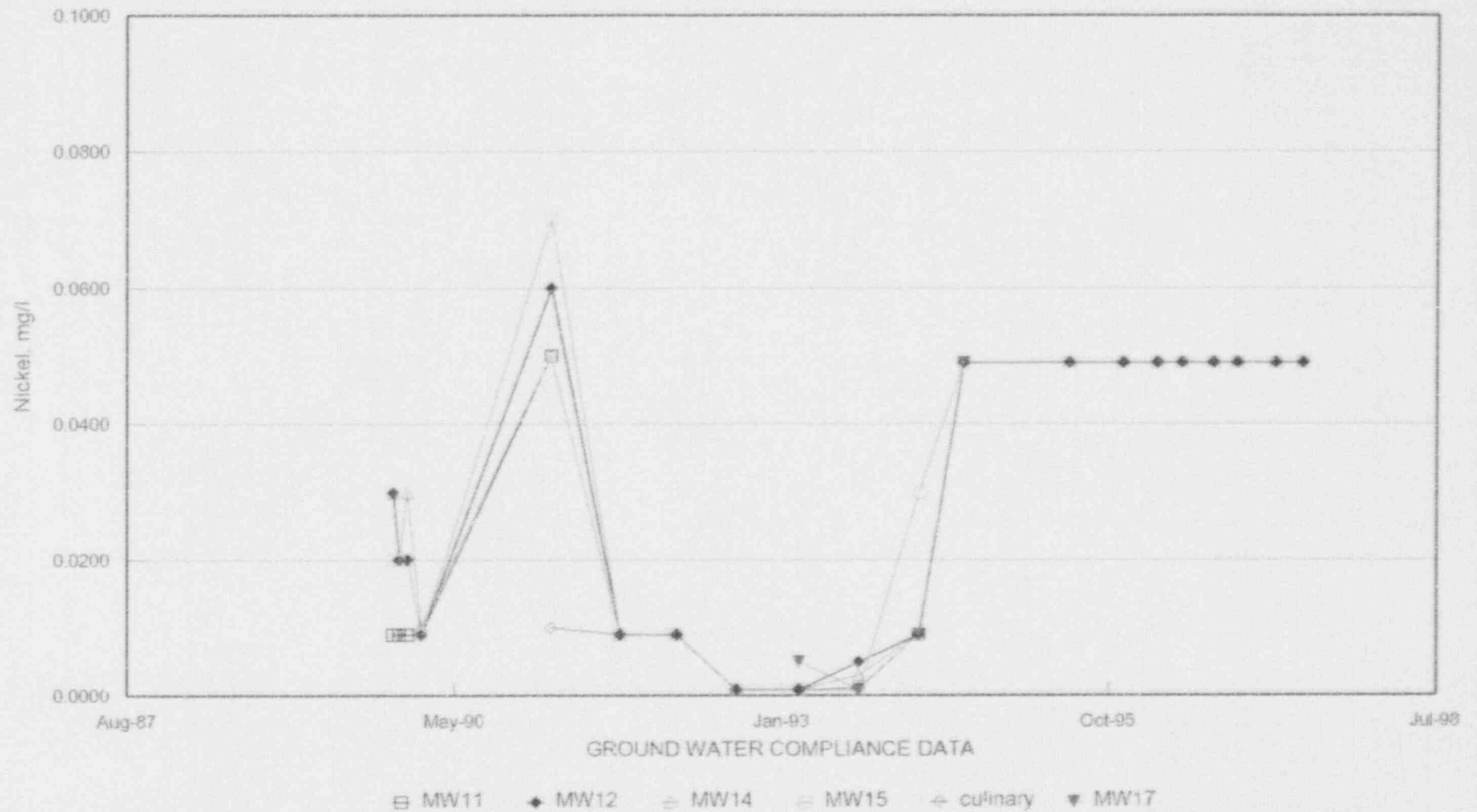
WHITE MESA MILL



GRAPH 34

INTERNATIONAL URANIUM (USA) CORP.

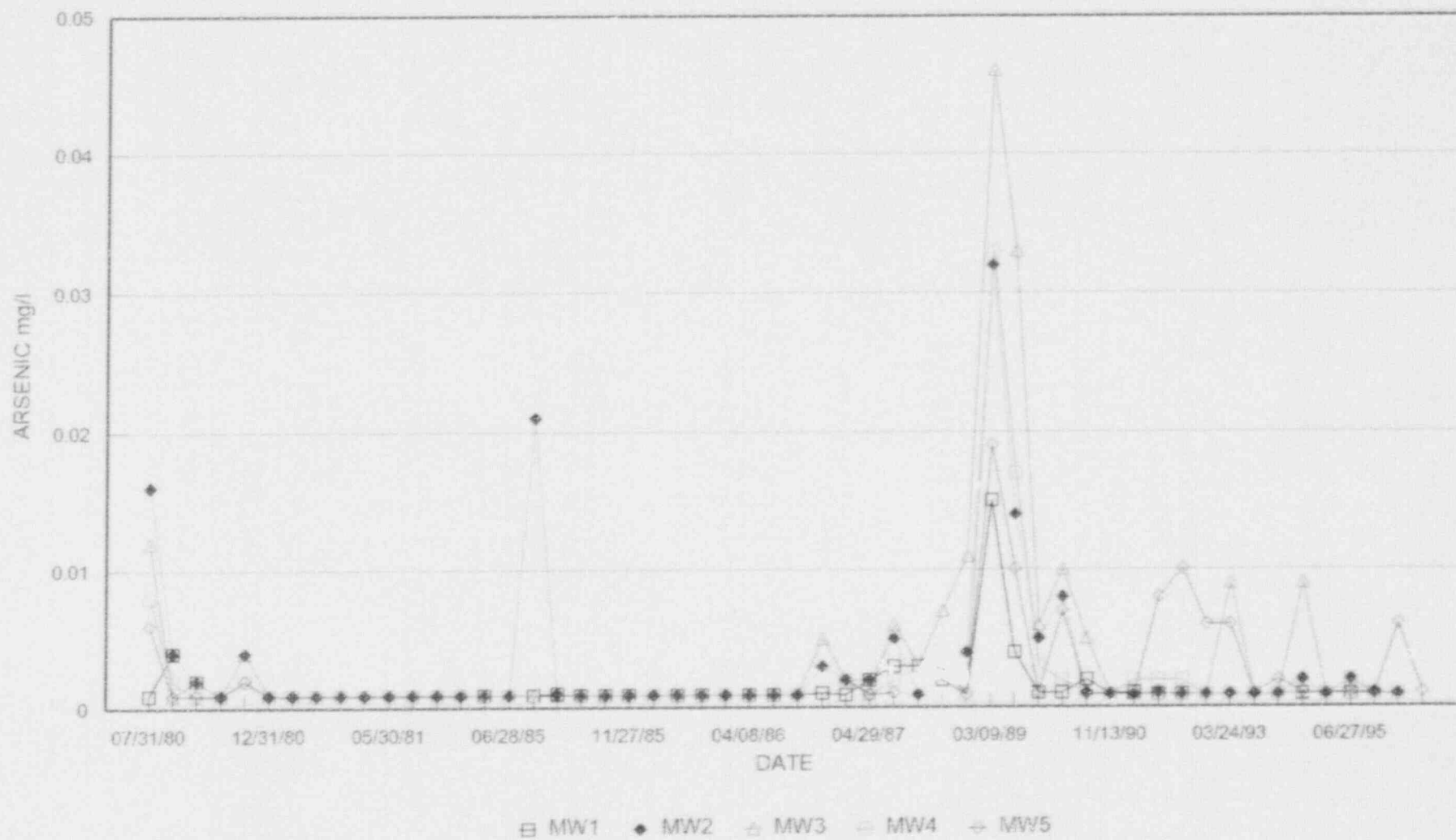
WHITE MESA MILL



GRAPH 35

INTERNATIONAL URANIUM (USA) CORP.

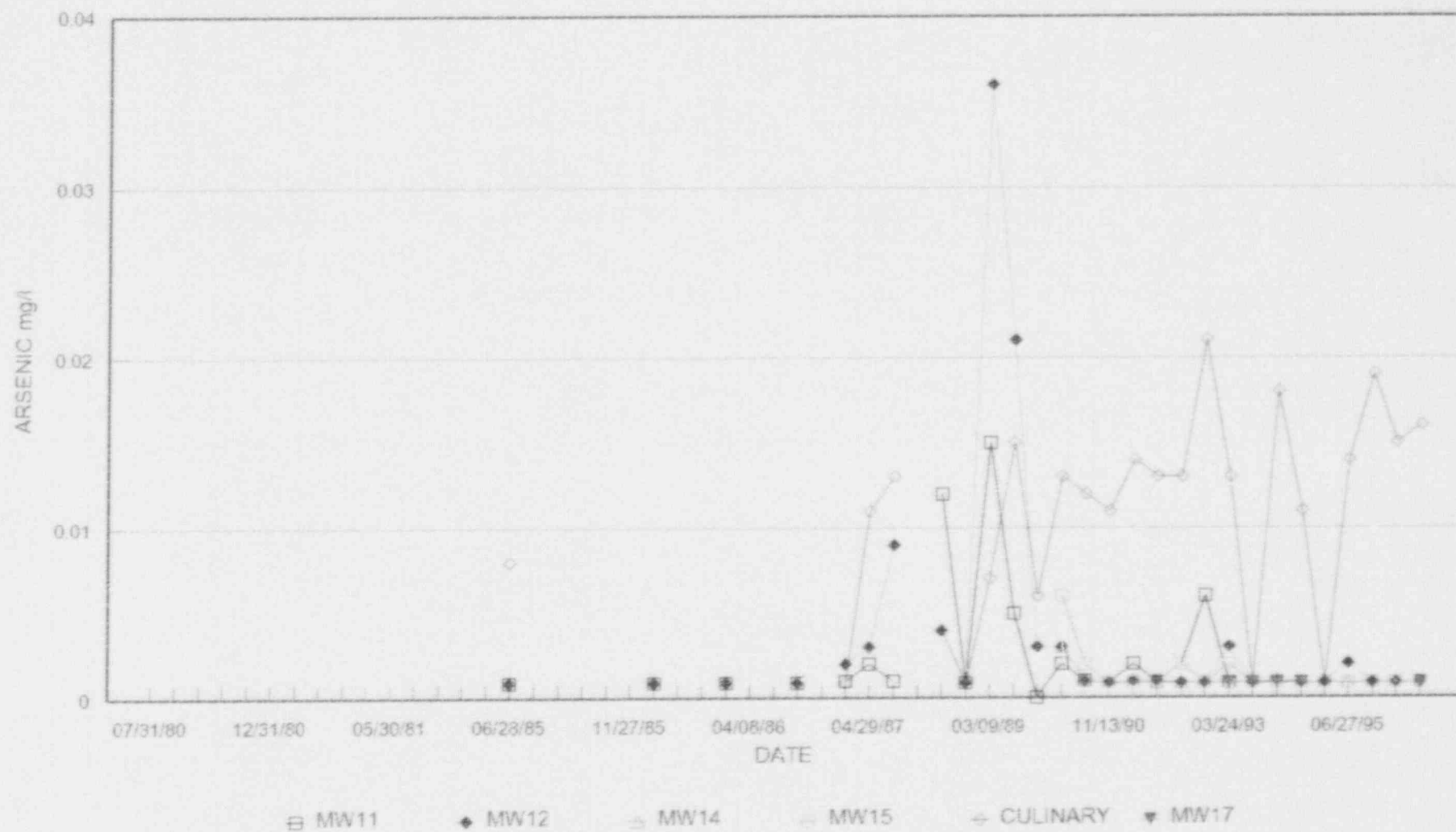
WHITE MESA MILL



GRAPH 36

INTERNATIONAL URANIUM (USA) CORP.

WHITE MESA MILL



GRAPH 37

WHITE MESA MILL

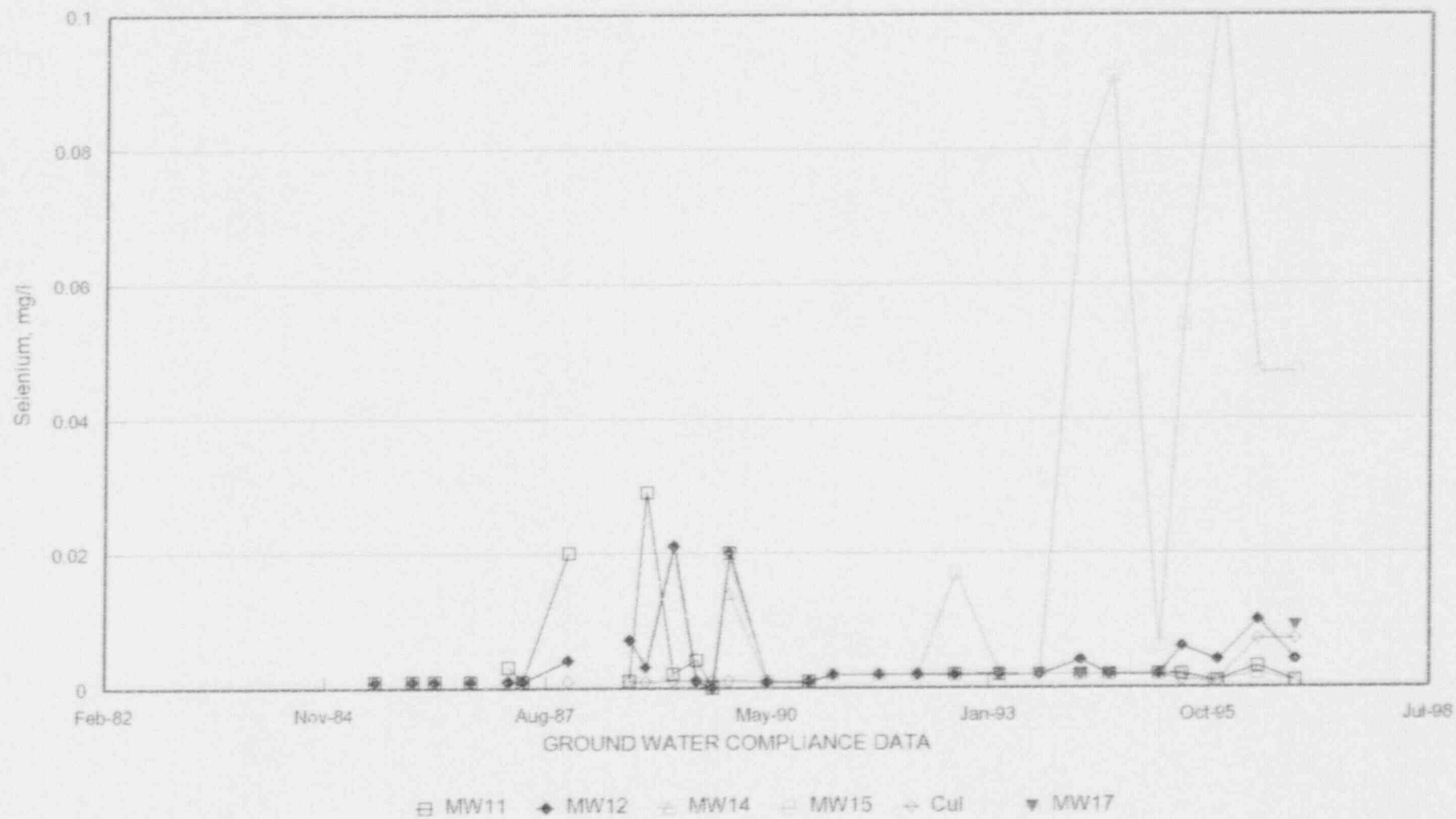


⊕ MW1 ⊕ MW2 ⊕ MW3 ⊕ MW4 ⊕ MW5

GRAPH 38

INTERNATIONAL URANIUM (USA) CORP.

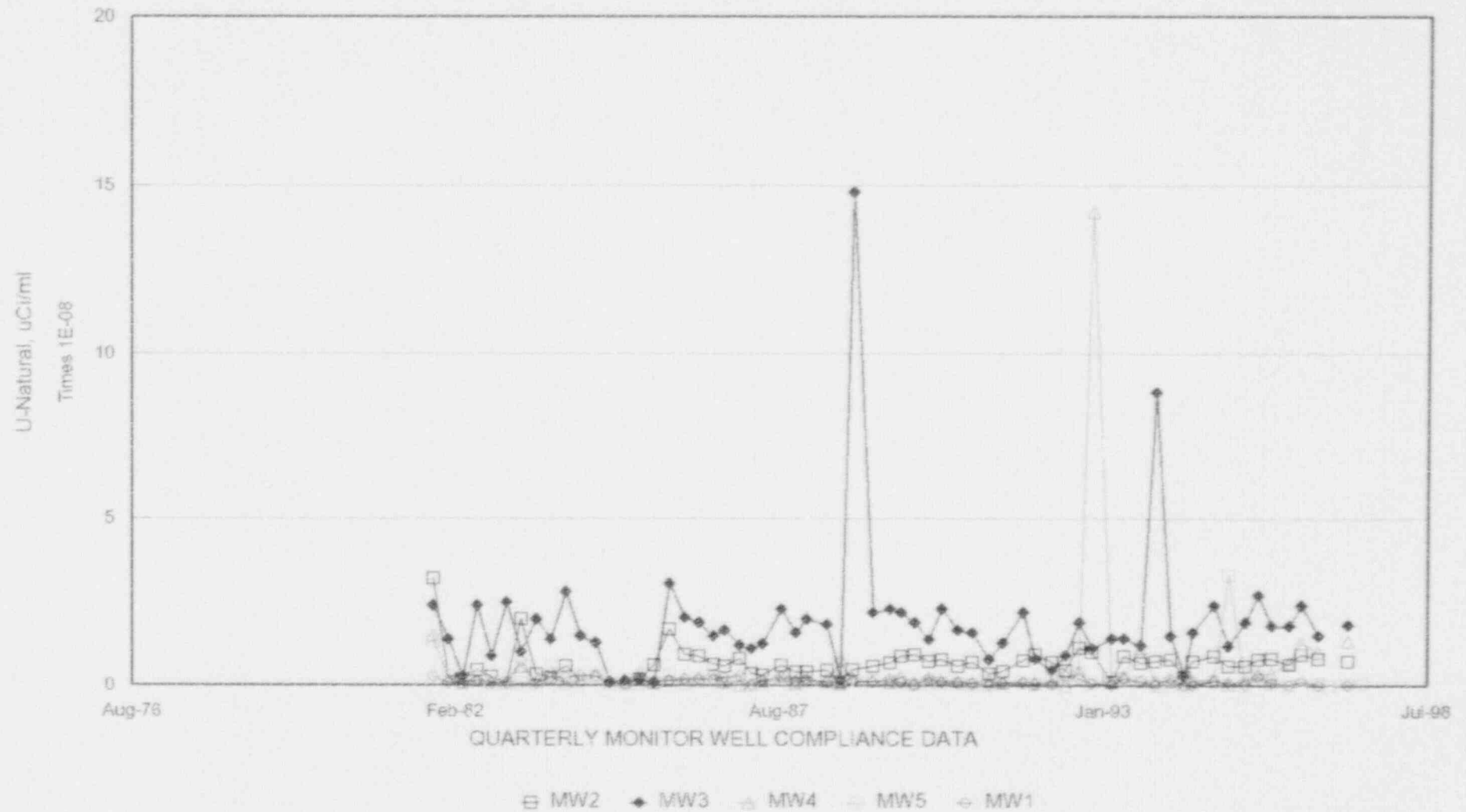
WHITE MESA MILL



GRAPH 39

INTERNATIONAL URANIUM (USA) CORP

WHITE MESA MILL



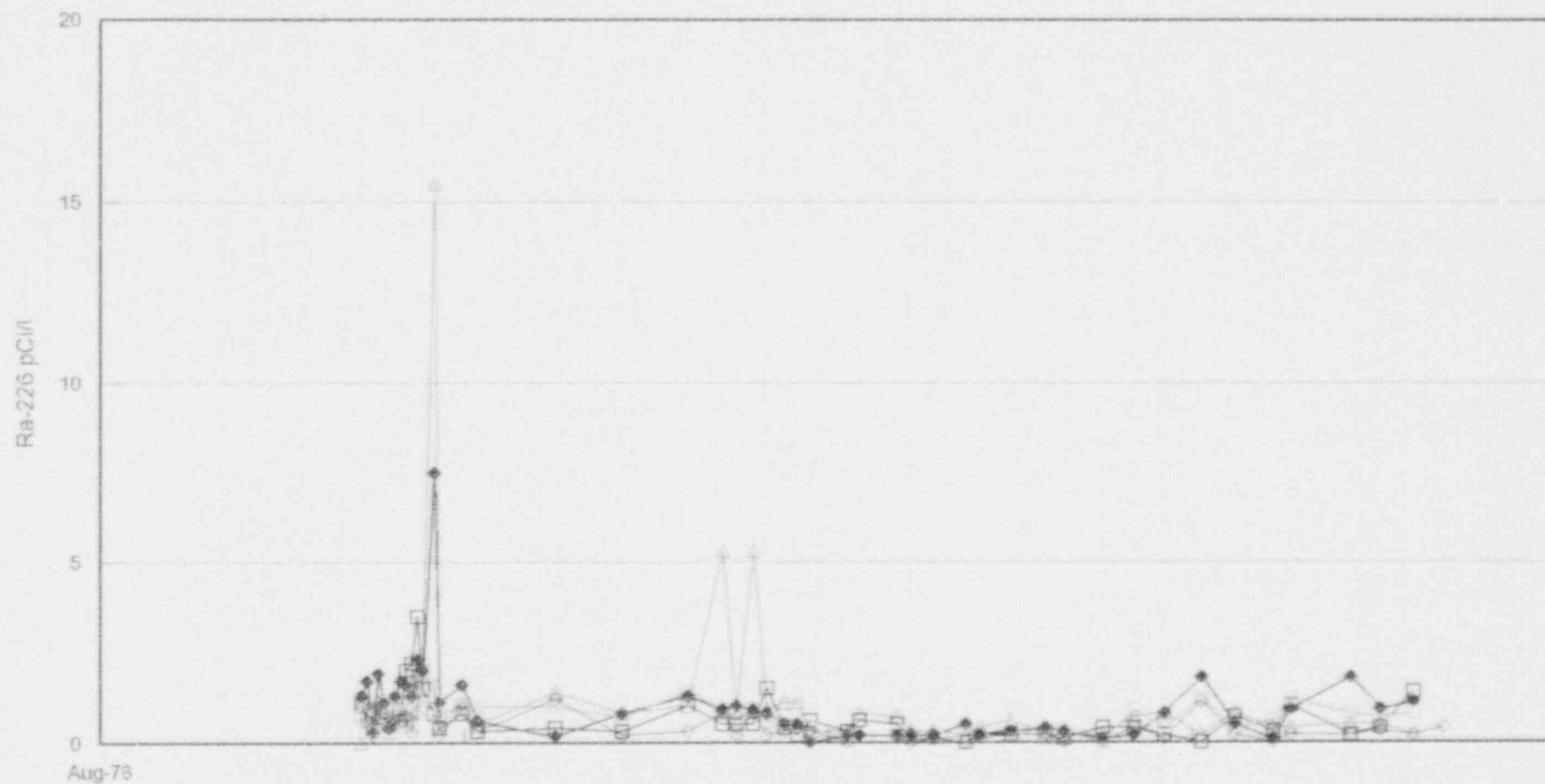
GRAPH 40

WHITE MESA MILL

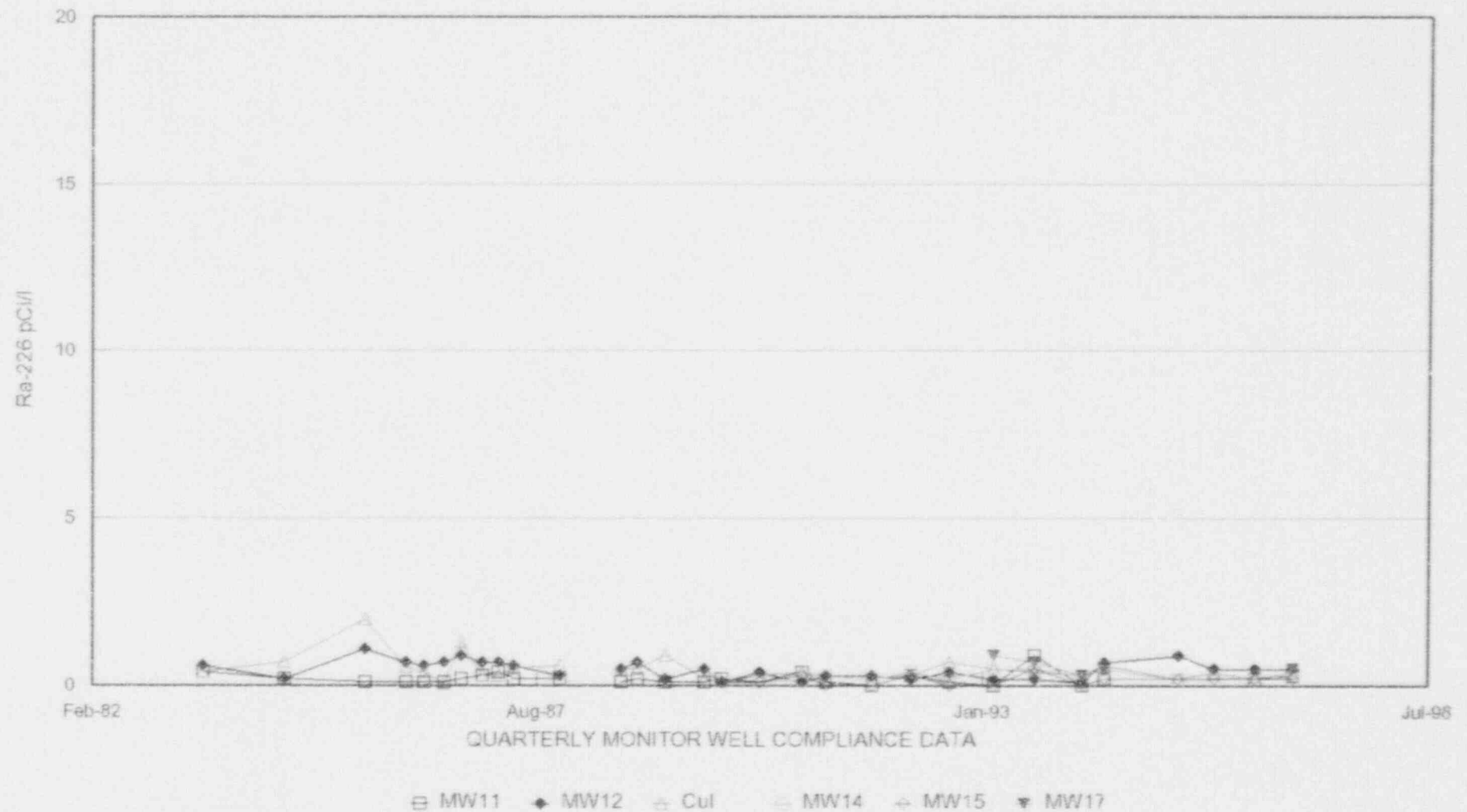


INTERNATIONAL URANIUM (USA) CORP.

WHITE MESA MILL



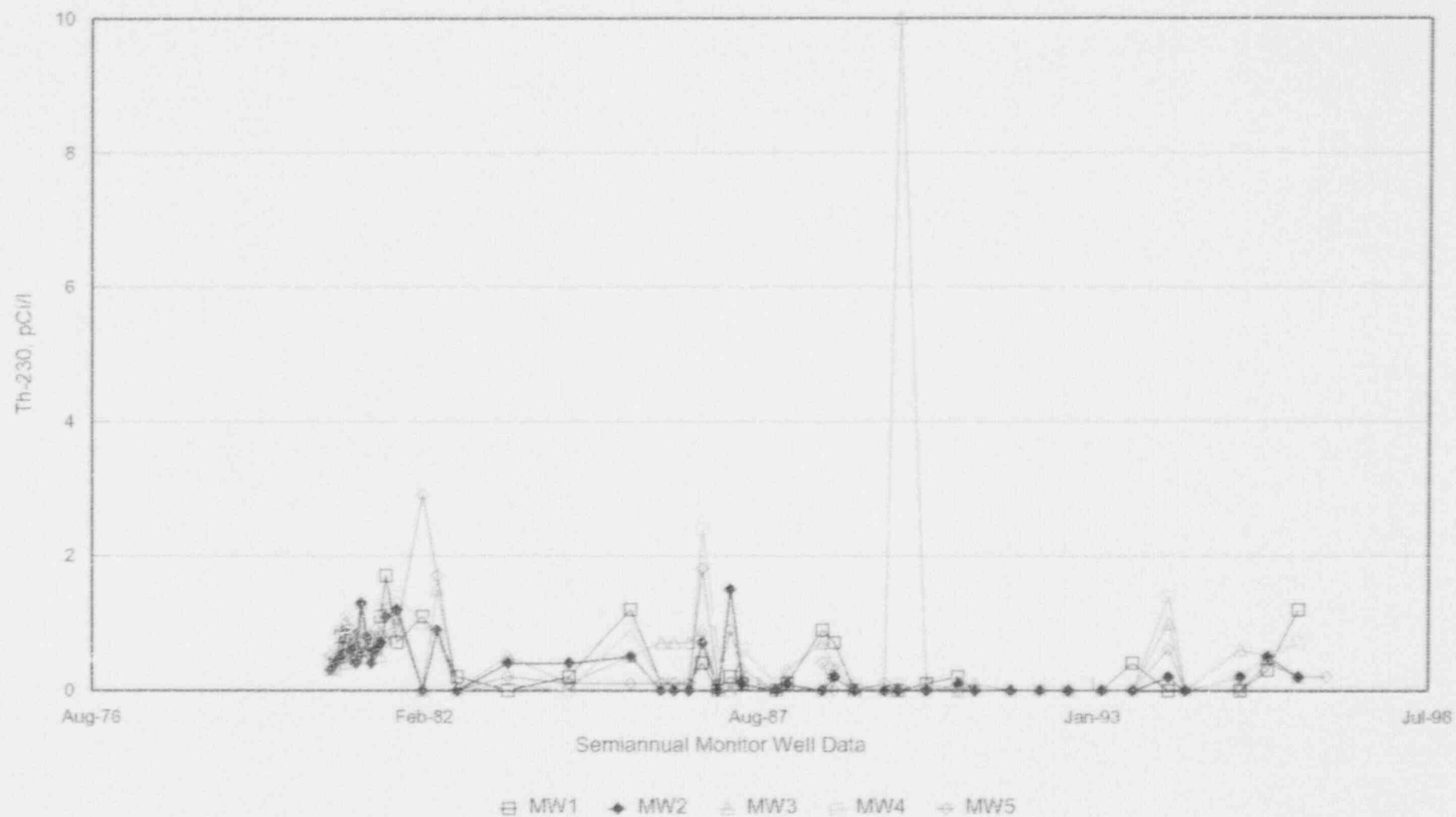
INTERNATIONAL URANIUM (USA) CORP.
WHITE MESA MILL



GRAPH 43

INTERNATIONAL URANIUM (USA) CORP.

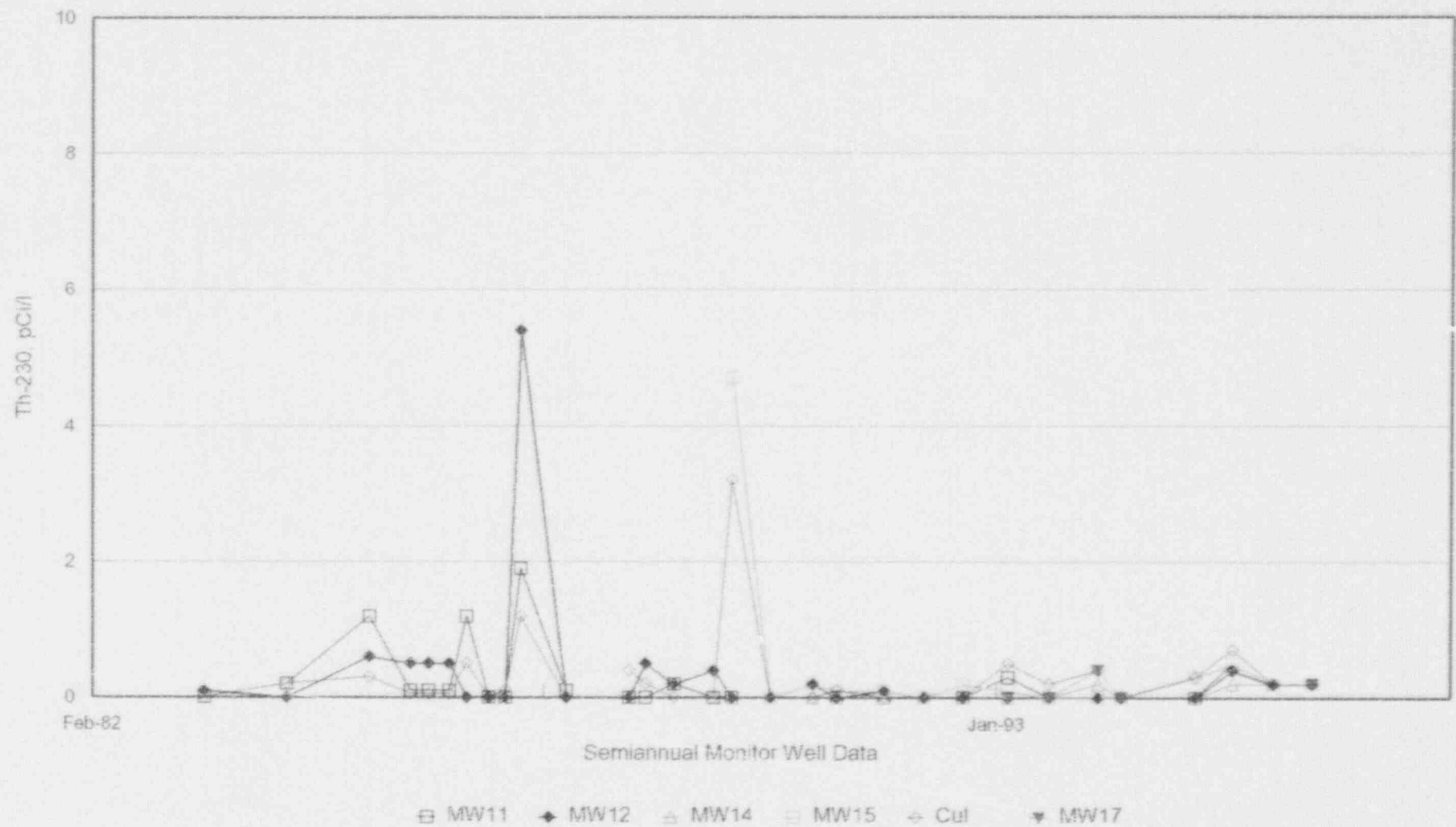
WHITE MESA MILL



GRAPH 44

INTERNATIONAL URANIUM (USA) CORP.

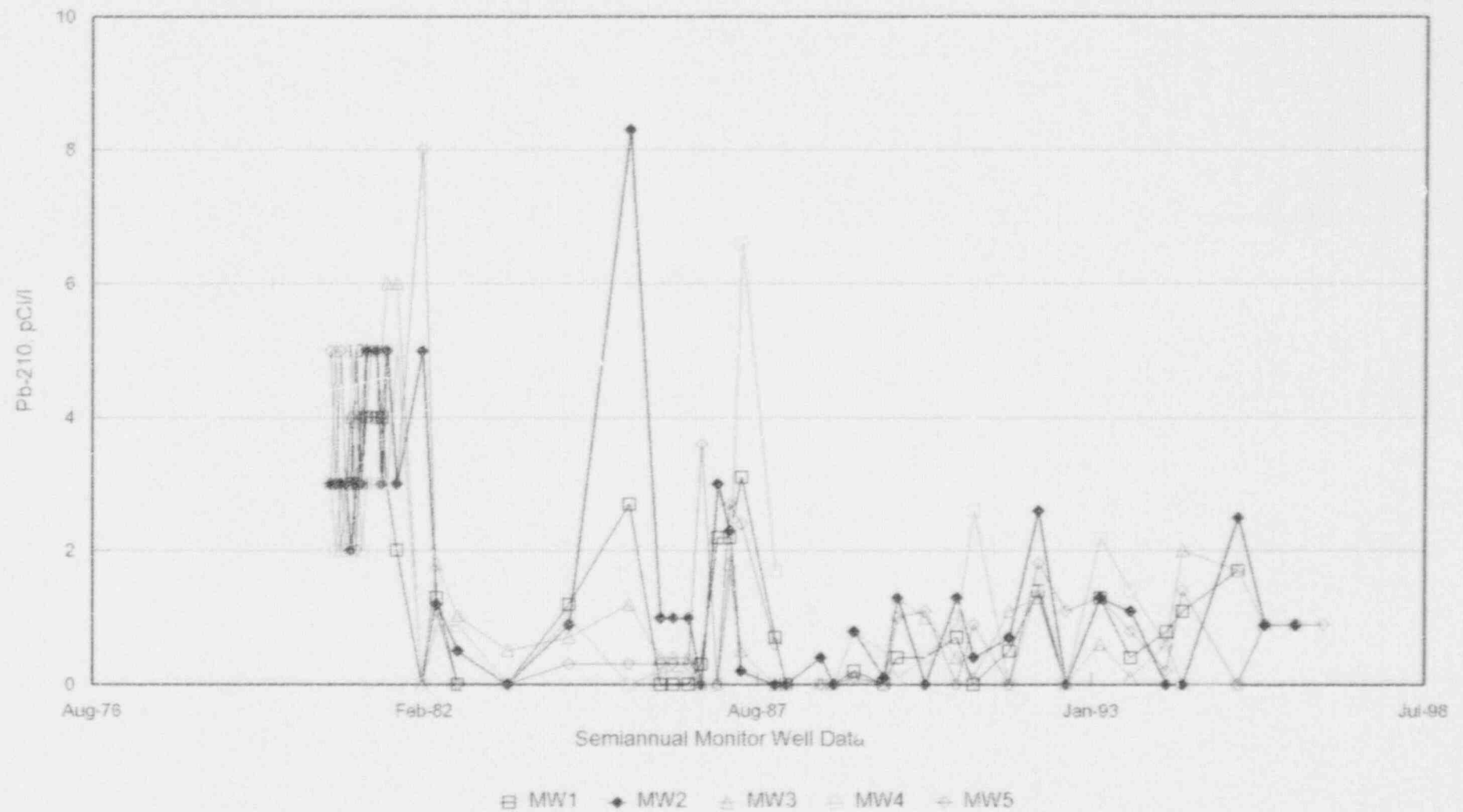
WHITE MESA MILL



GRAPH 45

INTERNATIONAL URANIUM (USA) CORP.

WHITE MESA MILL



GRAPH 46

WHITE MESA MILL



TABLE 20

INTERNATIONAL URANIUM (USA) CORPORATION
WHITE MESA MILL
SURFACE WATER ANALYSIS
SEMI-ANNUAL EFFULENT REPORT

	Cottonwood 1st 97	2nd 97	3rd 97	4th 97	Westwater** 1st 97	2nd 97	3rd 97	4th 97
Date of Sample	03/12/97	06/02/97			03/12/97			
Field Temperature, C	8.6	24.6			18.9			
Field pH	8.33	8.59			8.45			
Field Sp. Cond. (µmhos)	606	654			2300			
TDS (mg/l)	292	271			1270			
TSS (mg/l)	743	17			69			
Ra-226 suspended (pCi/l)					<0.2			
Ra-226 dissolved (pCi/l)	<0.2							
LLD (pCi/l)	0.2				0.2			
Th-230 suspended (pCi/l)	<0.2							
Th-230 dissolved (pCi/l)					<0.2			
LLD (pCi/l)	0.2				0.2			
U-nat. suspended (µCi/ml)	2.00E-10				6.77E-10			
U-nat. dissolved (µCi/ml)	4.74E-09				3.39E-09			
LLD (µCi/ml)	2E-10				2.0E-10			
Gross Alpha (pCi/l)	<1.0E-12	<1.0E-12			<1			
Gross Alpha Precision ± (pCi/l)	NA	NA			NA			
LLD (pCi/l)	1E-12	1E-12			1.00E-12			

** Westwater is now on an annual sample basis.
Westwater is checked weekly and after
significant precipitation events.

TABLE 21

INTERNATIONAL URANIUM (USA) CORPORATION
WHITE MESA MILL

QUALITY CONTROL DUPLICATE SAMPLES

FIRST QUARTER 1997

	WESTWATER CREEK	Blind Duplicate	Per Cent Difference
U-Nat Suspended	6.8E-10	2.0E-10	70.46%
U-Nat Dissolved	3.4E-09	4.1E-09	17.32%
Ra-226 Dissolved	2.0E-13	2.0E-13	0.00%
Ra-226 Suspended	2.0E-13	2.0E-13	0.00%
Th-230 Suspended	2.0E-13	2.0E-13	0.00%
Th-230 Dissolved	2.0E-13	2.0E-13	0.00%
TDS	1270	1250	1.57%
TSS	69	77	10.39%

SECOND QUARTER 1997

	COTTONWOOD CREEK	Blind Duplicate	Per Cent Difference
TDS	271	272	0.37%
TSS	17	18	5.56%

APPENDIX

A

SEMI-ANNUAL METEOROLOGY
MONITORING REPORT
FOR THE BLANDING PROJECT
JANUARY THROUGH JUNE 1997

Prepared for:

INTERNATIONAL URANIUM CORPORATION
6425 South Highway 191
P.O. Box 809
Blanding, Utah 84511

Prepared by:

ENECOTECH INC.
1580 Lincoln Street, Suite 1000
Denver, Colorado 80203

AUGUST 1997

PROJECT NUMBER: 105-017



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- Appendix B - Joint Frequency Distributions of Wind Direction by Wind Speed by Hour of the Day
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1.0 INTRODUCTION

In 1977, meteorological, air quality, and radiological monitoring was initiated at the White Mesa Mill. The original purpose of these monitoring programs was to document the regional atmospheric baseline and to provide adequate data to assess the potential air quality impacts resulting from the mill. After construction of the mill the monitoring programs were modified to address compliance of mill operations. This report summarizes the meteorological data collected from this monitoring program for the period January through June 1997.



2.0 MONITORING PROGRAM DESCRIPTION

The meteorological parameters collected were wind speed, wind direction, standard deviation of horizontal wind direction, and atmospheric stability. The data were collected and processed under general site operations protocol and quality assurance activities.

2.1 Site Description

The region encompassing the International Uranium Corporation's White Mesa Mill (Blanding Station) is shown in Figure 2.1. The mill is located on White Mesa approximately five miles south of the town of Blanding, Utah, just west of State Highway 191. The surrounding terrain slopes up towards the north and down to the south through southwest. The meteorological monitoring station, located on the northern property boundary of the mill, is situated in the southwest corner of Section 22, T37S, R22E at an elevation of 5660 feet above mean sea level (AMSL). The location was chosen for the purpose of compliance monitoring for operations at the mill.

2.2 Monitoring Instrumentation

The sensors, their accuracies, and the sampling heights used in the monitoring program are shown in Table 2.1. A Weathertronics wind cup anemometer and wind vane were connected to a Campbell Scientific CR-10 Data Logger, which continuously recorded wind speed and wind direction at the standard ten-meter height. Hourly averages of these parameters and the hourly standard deviation of horizontal wind direction (sigma theta) were calculated and retained in the data logger. Data stored in the logger was then transferred to a solid state storage module on a monthly basis.

2.3 Data Collection and Processing

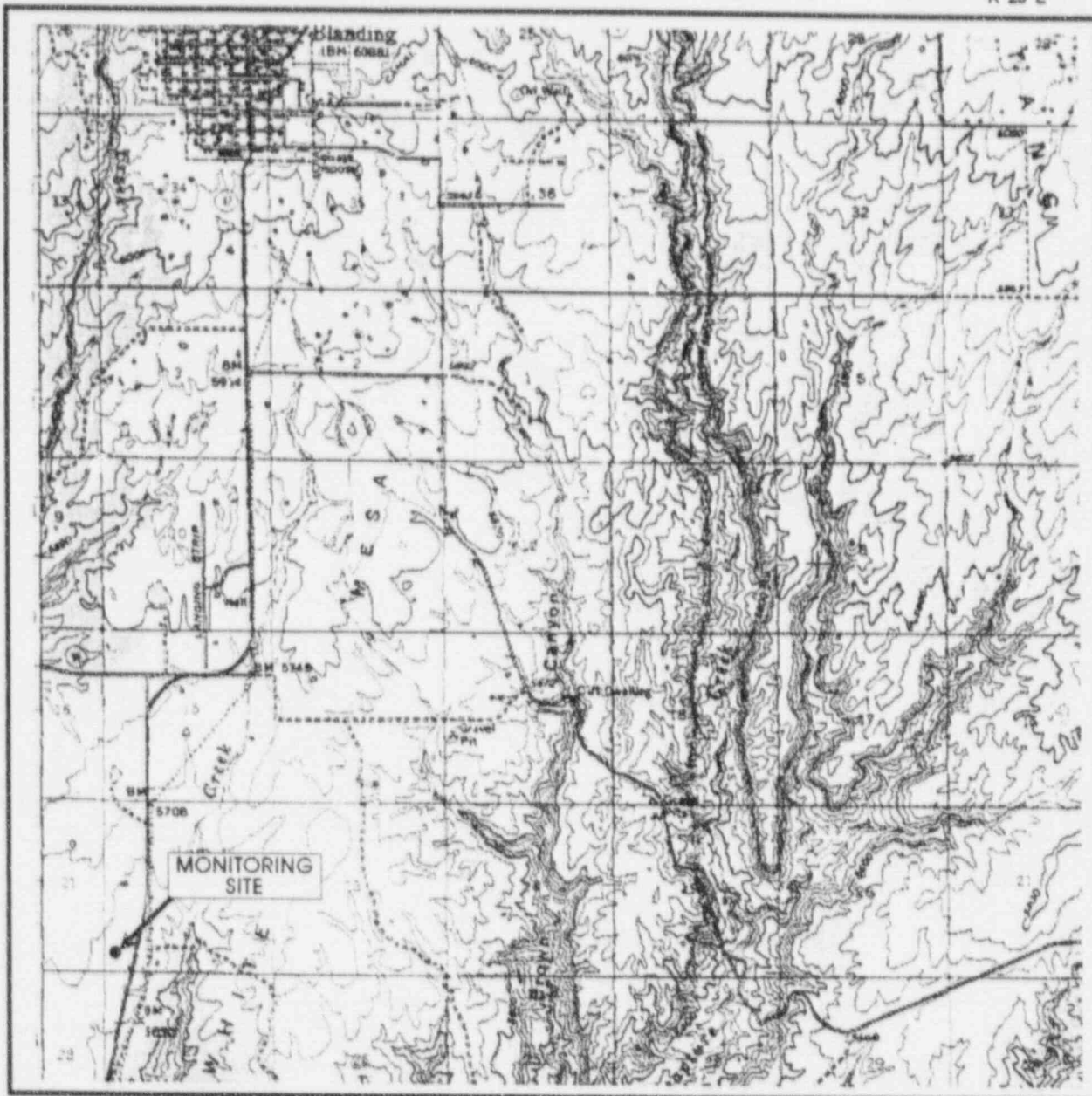
The storage modules from the CR-10 were sent to EnecoTech's Denver office, where they were subsequently downloaded onto a computer. The data were processed for subsequent analysis.

2.4 Quality Assurance

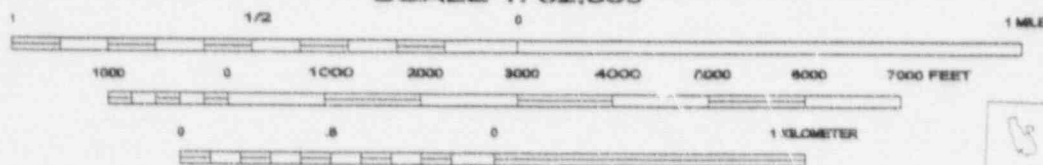
After the meteorological data were downloaded and processed, it was checked for any apparent anomalies. If any were discovered, the project manager was notified and the reasons for the erroneous data along with possible solutions to the problem were discussed. The site technician was then contacted and given instructions for any necessary repairs. If required, an EnecoTech scientist was dispatched to the site. Any anomalous data was corrected, if possible. If the erroneous data could not be corrected it was coded as invalid in the data files.

R 22 E

R 23 E

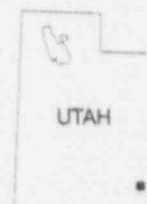


SCALE 1: 62,500



CONTOUR INTERVAL: 40 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

BLANDING, UTAH
N3730-W10915/15
1957
DMA 4159 III SERIES V677



QUADRANGLE LOCATION

EnecoTech
ENVIRONMENTAL CONSULTANTS

Project: INTERNATIONAL URANIUM CORPORATION

BLANDING, UTAH

SITE LOCATION MAP

Job No.: 105-017	File No.: 105017F1 CDR	Date: 8/15/97	REV:
Drawn By: LKB	Design By: JWK	Checked By:	Approved By:
			Figure No.: 2.1

TABLE 2.1
INSTRUMENT SPECIFICATIONS FOR THE
INTERNATIONAL URANIUM CORPORATION
WHITE MESA MILL

Parameter	Instrument Reading Accuracy	Height	Manufacturer and Model Number
Wind Speed	0.34 m/sec	10 m	Weathertronics 2030
Wind direction	$\pm 2.0^\circ$	10 m	Weathertronics 2030
Sigma Theta	-	10 m	Mathematical
Data logger	-	-	Campbell Scientific CR-10



Recycled Paper

3.0 ANALYSIS RESULTS

Meteorological data were collected at the White Mesa Mill site and processed according to the procedures described in Section 2.0. The data were also subjected to a calm processing routine in which any hour's average wind speed less than or equal to 1.0 m/s was set equal to 1.0 m/s and the wind direction was set equal to the last non-calm hour's wind direction. The stability class was determined for each hour (see Section 3.3) and the data set was then analyzed by time of day and stability classification.

3.1 Hourly Data Presentation

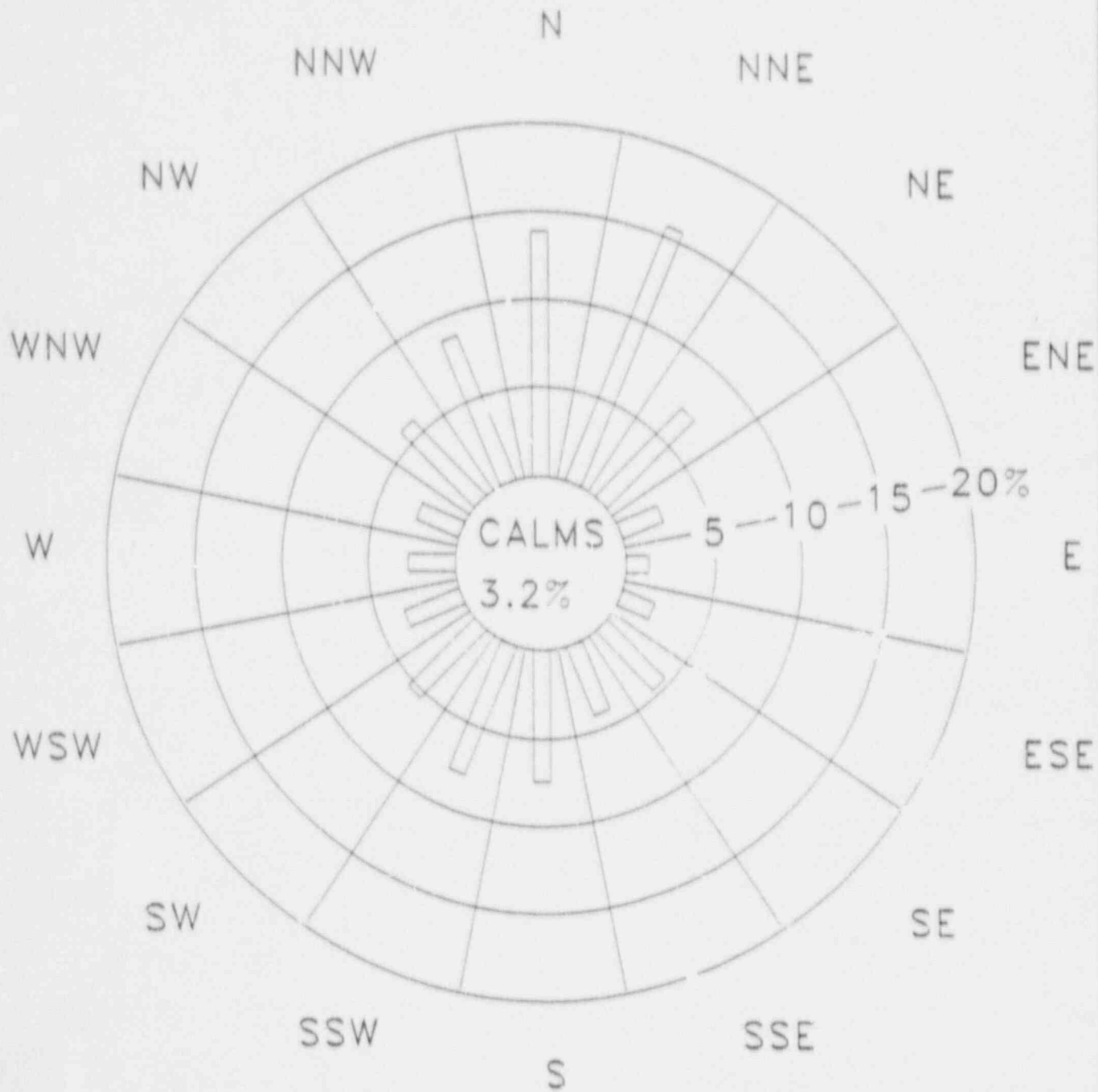
Hourly averaged values of wind speed, wind direction, and sigma theta are presented in Appendix A in the Storage and Retrieval of Aerometric Data (SAROAD) format. This format is a method of presenting air quality and meteorological data. The SAROAD format also includes, when applicable, average monthly values for each hour, daily averages and monthly averages.

3.2 Wind Analysis by Hour of the Day

The standard wind frequency distribution for the reporting period is presented graphically in Figure 3.1. To show the diurnal wind patterns, additional wind frequency distributions were developed graphically in 4-hour segments throughout the day (midnight to 4:00 a.m., 4:00 a.m. to 8:00 a.m., etc.) and are presented in Figure 3.2. A joint frequency distribution of wind direction by wind speed was produced from the data collected at the site over the reporting period and is presented in Table 3.1. The joint frequency distributions for Figure 3.2 are presented in Appendix B, Tables B-1 through B-6. For reference, one meter per second (m/s) equals 2.24 miles per hour (mph).

Figure 3.1 shows the dominant flow for the period was a drainage wind out of the north northeast occurring 16.0 percent of the time. This flow was a result of the surrounding terrain's influence on the site.

Figure 3.2 confirms the downslope wind pattern seen in Figure 3.1 and displays the diurnal pattern of this flow as well as other less prominent flows. During the nighttime hours from 20-08 Mountain Standard Time (MST) north-northwest through northeasterly winds were most prominent. These drainage winds occurred approximately 67.6 percent of the time, with speeds averaging 3.2 m/s (7.2 mph). For the daylight hours from 08-16 MST, the prominent winds were from the southeast through southwest. These were return or upslope flows and occurred on average approximately 57.4 percent of the time during the daytime hours with a mean speed of 3.9 m/s (8.7 mph).



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ENVIRONMENTAL CONSULTANTS

International Uranium Corporation

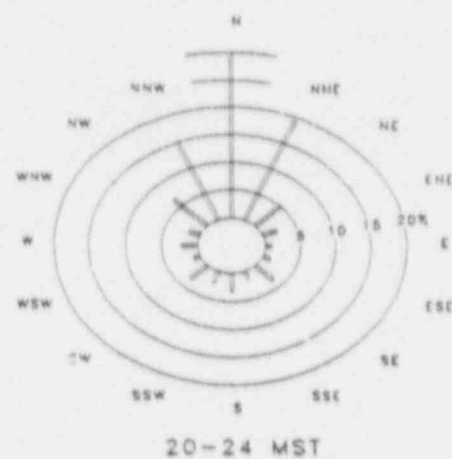
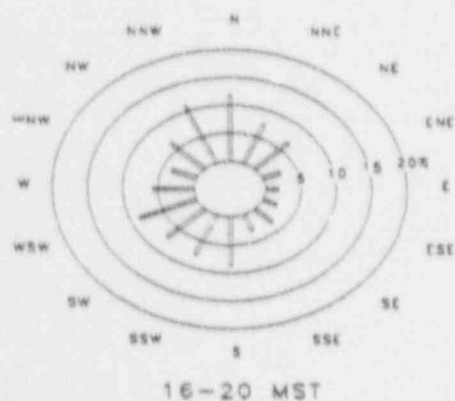
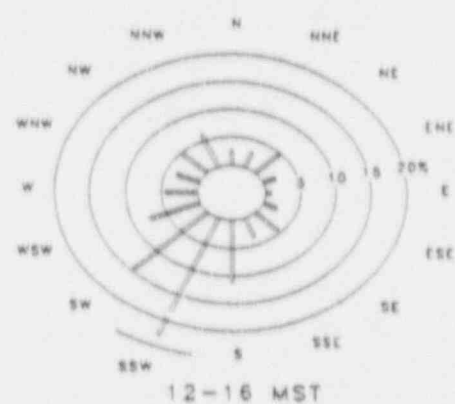
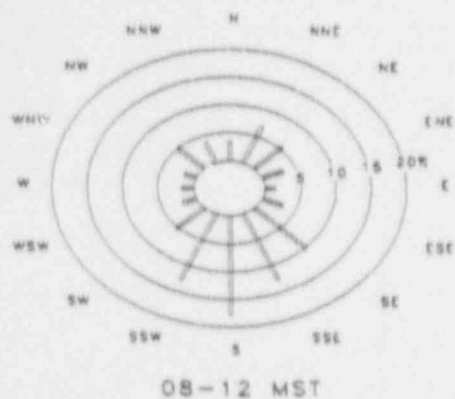
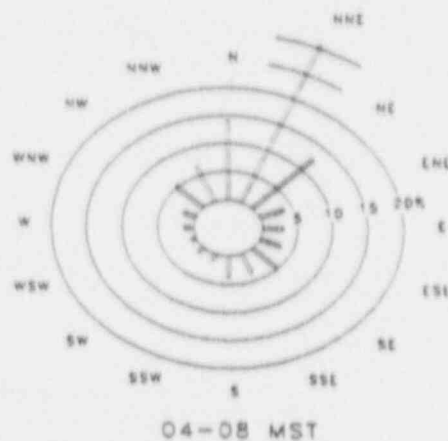
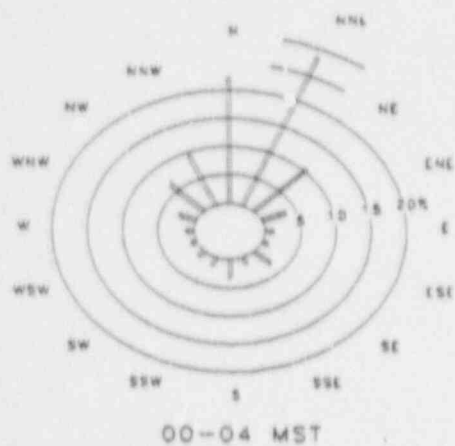
Project: White Mesa Mill

Wind Frequency Distribution
For All Hours
(January through June 1997)

File No.: 109-009

Date: August 1997

Figure No.: 3.1



International Uranium Corporation

Project: White Mesa Mill

Wind Frequency Distribution
By Hour of the Day
(January through June 1997)

TABLE 3-1
 FREQUENCY OF WINDS BY DIRECTION AND SPEED
 FOR
 JANUARY THROUGH JUNE 1997
 INTERNATIONAL URANIUM CORPORATION
 WHITE MESA MILL
 TIME (MST): 0000-2400

Direction	Speed Class Interval (m/s)						Mean Speed
	1<1.5	1.5< 3	3< 5	5< 8	8<11	>11	
N	.62	5.23	7.00	.94	.16	.07	14.02
NNE	.55	7.46	6.91	.53	.32	.00	15.77
NE	.69	4.35	1.20	.58	.39	.00	7.21
ENE	.48	1.57	.32	.21	.00	.00	2.58
E	.21	.97	.14	.02	.00	.00	1.34
ESE	.25	1.27	.32	.16	.02	.00	2.03
SE	.30	2.21	.90	.90	.37	.07	4.74
SSE	.21	2.03	1.40	.46	.14	.00	4.24
S	.53	3.13	2.83	.74	.25	.09	7.57
SSW	.37	2.39	3.02	1.82	.37	.02	7.99
SW	.12	1.77	1.80	1.36	.46	.02	5.52
WSW	.14	.92	1.04	1.13	.25	.02	3.50
W	.09	1.08	.78	.55	.25	.00	2.76
WNW	.14	1.20	.71	.51	.12	.02	2.69
NW	.18	1.20	2.09	1.98	.46	.14	6.05
NNW	.37	1.98	3.34	2.16	.62	.39	8.86
All	5.25	38.74	33.79	14.04	4.19	.85	96.87

Calm (less than 1.0 m/s) = 3.2
 Period mean wind speed = 3.6 m/s

The overall mean wind speed from January through June 1997 was 3.6 m/s (8.1 mph). The highest average directional wind speed, 4.8 m/s (10.7 mph), was out of the northwest while the lowest average directional wind speed, 2.2 m/s (4.8 mph), was out of the east. Calm conditions (mean wind speed less than or equal to 1.0 m/s or 2.2 mph) occurred 3.2 percent of the time.

The average wind speed of 3.6 m/s (8.1 mph) for the first half of 1997 compared well with the average wind speeds reported in previous semiannual reports for the same time period. The first half of 1986 through 1991 had mean speeds ranging from 2.4 m/s (5.4 mph) to 3.4 m/s (7.6 mph). The dominant wind direction for these same time periods was north-northeasterly. The differences in wind speed for these time periods can be attributed to year-to-year variability.

3.3 Atmospheric Stability

Atmospheric dispersion stability classifications in the standard Pasquill scheme have been calculated for the Blanding site using the Mitchell-Timbre technique. In this technique, Pasquill stability classes are derived from the hourly sigma theta average wind speed, and the solar angle algorithm to differentiate daytime from nighttime conditions. The Pasquill stability classification scheme involves delineating stability into six classes, A through F. Classes A through C reflect unstable conditions, with Class A being most unstable, and can only occur during the day. Stable conditions are represented by Classes E and F, with Class F being more stable than Class E, and can only occur at night. Neutral conditions are denoted by a D classification and can occur anytime.

Typically, unstable conditions occur when there is good solar heating (clear days) and low wind speeds. Neutral conditions occur with cloudy skies and/or high wind speeds. Stable conditions typically occur when there is radiational cooling (clear nights) and low wind speeds. Usually stable conditions result in the worst dispersion of atmospheric released pollutants.

Table 3.2 presents the total frequency of occurrence of each stability class observed at the White Mesa Mill site throughout the reporting period, not including calm winds. Neutral (D) conditions had the highest frequency of occurrence at 39.0 percent, with slightly stable (E) conditions following at 19.1 percent. Slightly unstable (C) had the next highest frequency at 14.2 percent. Moderately unstable (B) had a frequency of occurrence of 11.0 percent and moderately stable (F) had a frequency of 9.4 percent. Extremely unstable (A) had the least frequency of occurrence at 7.3 percent. This type of distribution is generally consistent with what has been observed in previous reports for the calendar six month period.

Figure 3.3 presents graphically the wind distribution for each stability class. As anticipated, this figure demonstrates that the atmospheric stability conditions tracked well with the local drainage/return flow pattern of the area observed in Figure 3.1. Unstable conditions (Classes A through C) were associated with winds from the southwest through southeast (upslope flow) since these winds typically occurred during the daylight hours. Also seen in Figure 3.3, stable conditions (Classes E and F) primarily occurred with the nocturnal drainage (north and north-northeast) winds. Neutral (D) conditions had prominent north-northeast flow. The joint

frequency distributions of wind direction by wind speed for each stability class are presented in Appendix C, Tables C-1 through C-7.

3.4 Precipitation Data

Precipitation data (rain or snow) has been recorded in inches of moisture received for the White Mesa Mill. The results are listed below for January 1997 through June 1997.

<u>Month</u>	<u>Recorded Precipitation (Inches)</u>
January	2.98
February	2.08
March	0.00
April	1.78
May	1.20
June	0.26

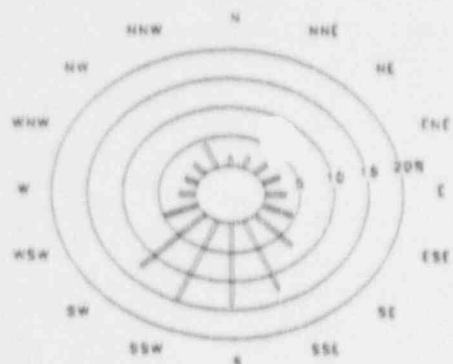
3.5 Data Recovery

Table 3.3 summarizes the data recovery for this semiannual reporting period. Data recoveries for wind speed were at 100.0 percent. Wind direction and stability were 100.0 percent, as well.

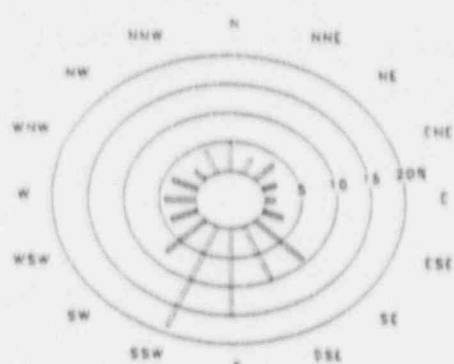
TABLE 3.2

STABILITY CLASSIFICATION AND FREQUENCY OF OCCURRENCE
OF PASQUILL STABILITY CLASSES
JANUARY THROUGH JUNE 1997
INTERNATIONAL URANIUM CORPORATION
WHITE MESA MILL

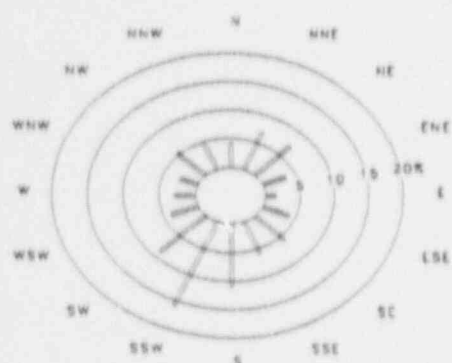
Stability Classification	Pasquill Categories	Percent Occurrence
Extremely Unstable	A	7.3
Moderately Unstable	B	11.0
Slightly Unstable	C	14.2
Neutral	D	39.0
Slightly Stable	E	19.1
Moderately Stable	F	9.4



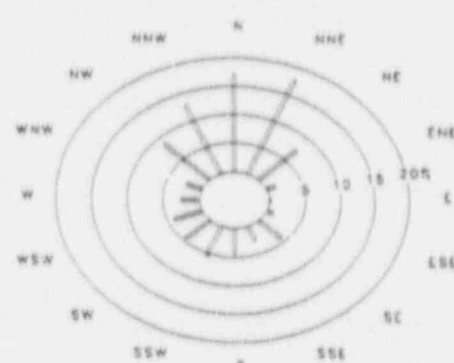
A Stability



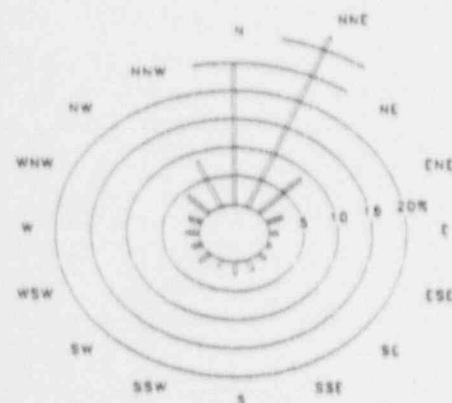
B Stability



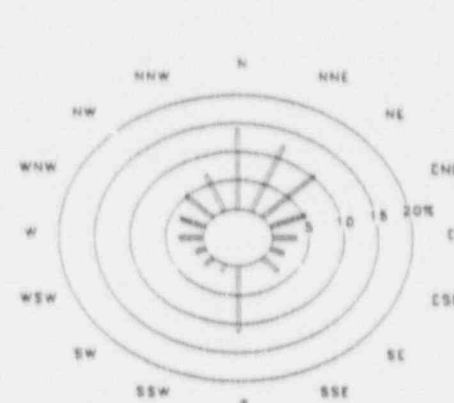
C Stability



D Stability



E Stability



F Stability



International Uranium Corporation

Project: White Mesa Mill

Wind Frequency Distribution
by Stability Class
(January through June 1997)

4.0 SUMMARY

Meteorological data was collected from January through June, 1997 at the White Mesa Mill site with an overall recovery rate of 100 percent. The results of the meteorological data collected during this reporting period are representative of the monitoring location. The dominant feature of the winds observed at the site was a local nocturnal drainage flow from the higher elevations to the north-northwest and northeast and a daytime upslope (return) flow from the southeast through the southwest. Neutral conditions were the most prominent of the stability classes and the period mean wind speed was 3.6 m/s (8.1 mph).



APPENDIX A
HOURLY DATA - SAROADS



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**HOURLY AVERAGED WIND SPEED
DATA RECORDED IN JANUARY 1997
BLANDING - UTAH
UNITS ARE TENTHS OF A METER PER SECOND**

HOUR OF THE DAY

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVG
1	27	27	17	15	16	22	11	10	12	22	13	10	10	10	15	13	22	34	35	33	25	18	21	22	19
2	20	17	10	19	21	17	22	15	16	10	10	18	11	19	10	15	22	23	28	30	25	13	16	25	18
3	20	18	18	20	14	25	23	19	27	91	69	31	26	35	43	45	36	22	20	15	18	36	37	39	31
4	30	25	37	38	32	37	31	39	55	47	61	71	52	27	33	44	32	33	24	30	24	25	26	22	36
5	25	20	17	20	20	20	22	22	23	26	29	30	23	16	11	13	20	23	41	39	45	46	51	60	28
6	72	76	66	61	62	60	59	60	57	59	62	98	67	83	83	72	50	36	33	41	21	15	28	38	57
7	31	25	10	20	33	16	10	18	21	20	11	15	20	32	42	37	30	27	13	18	11	10	10	14	21
8	15	30	14	23	57	58	98	82	99	118	96	98	96	66	50	71	52	60	56	49	25	29	18	23	58
9	22	28	29	23	16	27	32	27	21	12	16	24	33	32	24	28	48	15	16	34	33	16	23	19	25
10	17	22	26	26	33	27	26	27	22	10	13	13	11	11	18	19	16	15	14	28	22	35	40	33	22
11	42	11	20	21	35	39	34	14	11	15	20	28	36	41	44	45	48	26	21	19	14	17	22	17	27
12	10	10	10	10	12	15	10	25	35	34	48	55	67	83	91	85	69	74	73	54	59	66	71	76	48
13	81	90	83	91	88	96	96	110	116	104	77	76	73	65	71	73	74	81	78	88	100	112	117	85	89
14	91	83	68	55	24	23	18	13	10	96	25	20	52	60	64	68	52	25	37	32	35	52	38	34	45
15	35	28	27	25	19	20	13	17	14	21	10	14	13	15	10	10	15	20	11	20	30	17	23	23	19
16	27	22	19	22	20	27	23	23	24	14	12	15	20	22	33	12	10	14	22	29	15	10	17	19	20
17	21	15	16	10	12	11	16	10	10	10	48	48	19	22	15	18	17	11	10	24	20	17	25	15	18
18	19	15	17	10	15	14	10	11	10	10	10	10	10	10	10	15	22	19	12	10	19	20	11	10	13
19	13	10	17	10	10	15	10	10	10	10	48	48	10	10	14	10	11	18	11	16	11	10	10	10	15
20	17	10	17	12	18	22	10	12	10	15	16	10	10	10	16	10	18	19	10	16	15	19	10	10	14
21	15	20	17	18	13	17	17	22	13	22	28	32	36	53	50	43	39	25	31	34	35	42	28	30	28
22	25	27	33	34	31	31	25	24	21	21	26	29	29	22	16	10	10	17	17	17	11	17	15	22	22
23	22	29	30	30	25	19	17	25	23	21	27	27	32	28	23	22	16	10	22	10	22	17	21	10	22
24	16	20	35	36	20	31	29	36	33	23	10	15	23	20	11	10	20	21	31	33	38	31	29	33	25
25	28	29	23	19	22	21	19	20	19	20	28	34	25	17	27	25	14	26	19	32	33	31	32	26	25
26	19	20	16	22	27	24	20	12	10	12	28	24	16	13	15	22	22	10	10	20	27	23	16	10	16
27	22	29	23	20	15	22	23	30	26	20	12	14	12	20	24	21	18	10	20	22	31	32	34	32	22
28	30	33	30	42	33	27	27	17	10	10	20	36	25	19	13	19	21	29	29	23	28	34	32	41	26
29	34	28	26	38	29	32	55	47	68	83	103	90	86	84	68	47	41	46	34	37	40	21	22	12	49
30	14	15	26	16	22	19	15	27	19	10	14	21	10	15	31	25	10	14	18	34	34	30	29	20	20
31	18	25	26	27	29	26	19	10	22	10	16	15	24	21	15	21	22	29	30	24	21	13	11	37	21
AVERAGE	28	28	27	27	27	28	27	27	28	32	32	34	32	32	32	31	29	27	27	29	29	28	28	28	29

* Indicates calibration of sensors

** Indicates invalid data

ENECOTECH INC.
SAROAD(V1.0) 08/14/97

**HOURLY AVERAGED WIND DIRECTION
DATA RECORDED IN JANUARY 1997
BLANDING - UTAH
UNITS ARE DEGREES AZIMUTH**

HOUR OF THE DAY

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVG
1	5	18	9	290	19	46	268	268	54	58	27	27	27	27	121	178	304	354	3	6	11	2	27	28	
2	30	16	16	18	32	39	48	358	320	320	320	150	98	105	105	57	46	32	11	19	14	356	15	53	
3	48	101	113	118	74	14	21	22	340	320	327	299	228	168	220	234	210	220	284	43	317	318	352	13	
4	336	287	339	345	265	343	349	340	325	318	311	307	307	30	229	216	186	237	297	43	36	29	32	26	
5	15	17	40	39	31	36	35	6	17	55	101	138	134	114	50	19	49	293	332	330	328	327	321	320	
6	322	323	319	316	306	320	322	318	323	323	5	31	27	35	36	24	9	306	316	309	336	318	333	1	
7	320	287	3	174	161	131	336	318	336	275	207	218	209	213	195	193	177	184	159	86	82	82	82	309	
8	351	325	310	341	318	321	354	354	355	351	352	32	41	48	295	306	326	324	329	331	217	286	17	14	
9	356	18	358	305	46	38	31	29	57	137	138	182	182	190	201	289	346	128	179	235	251	44	72	62	
10	61	21	49	29	25	22	30	32	26	26	146	120	168	110	163	186	197	110	39	27	321	330	317	311	
11	300	138	246	352	17	19	25	53	155	121	123	165	170	177	185	190	221	201	188	159	145	164	184	185	
12	185	185	185	185	129	127	127	168	170	161	181	194	190	193	191	176	169	179	180	165	133	131	131	136	
13	136	138	133	131	131	131	137	138	134	132	136	143	133	131	124	128	125	127	123	127	128	131	131	154	
14	139	137	131	149	167	94	100	90	90	118	349	81	241	251	235	241	248	253	247	286	12	13	31	24	
15	15	18	26	18	27	27	25	6	24	36	36	195	212	199	199	199	191	182	182	182	182	182	182	182	
16	182	182	182	182	182	182	182	182	182	182	198	211	207	206	193	212	212	352	355	13	21	210	340	6	
17	20	44	70	70	9	348	288	60	60	60	303	161	174	174	173	174	174	174	174	174	174	174	174	174	
18	174	174	174	174	174	174	174	174	174	174	174	174	174	174	174	222	206	197	192	191	191	191	191	191	
19	191	191	191	191	191	191	191	191	191	191	191	191	302	302	302	195	195	194	230	182	182	182	182	182	
20	182	182	182	182	182	182	182	182	182	182	182	182	182	182	165	165	267	267	12	292	323	318	318	318	
21	347	49	34	355	64	34	101	169	36	47	159	179	201	208	205	195	193	35	25	21	16	16	13	16	
22	22	25	23	26	33	32	32	59	90	109	126	121	129	118	117	77	77	108	106	113	72	58	124	134	
23	130	148	144	153	153	145	124	151	165	196	201	186	182	158	144	186	147	147	20	20	18	248	234	234	
24	35	19	18	11	6	12	18	17	7	340	340	127	154	204	255	255	29	38	24	7	6	8	19	23	
25	40	41	56	57	50	54	124	107	154	131	145	160	140	77	118	89	87	31	47	46	44	50	46	47	
26	36	33	31	49	20	33	52	51	51	166	197	273	235	184	198	196	187	187	187	34	23	338	318	318	
27	30	35	36	24	16	28	22	8	11	15	7	358	283	218	198	192	187	187	334	6	356	355	5	4	
28	354	358	36	11	16	21	15	330	330	330	213	143	137	132	128	39	12	2	356	13	354	359	359	360	
29	347	10	355	289	10	342	346	356	4	15	22	21	39	35	42	37	14	350	345	330	340	346	341	35	
30	353	12	6	4	299	354	24	26	26	26	291	235	197	196	203	214	214	345	353	12	21	20	11	359	
31	328	6	14	8	16	10	348	348	15	15	138	142	202	214	277	6	10	8	10	23	29	63	20	2	

* Indicates calibration of sensors

** Indicates invalid data

ENECOTECH INC.
SAROAD(V1.0) 08/14/97

HOURLY HORIZONTAL WIND DIRECTION STANDARD DEVIATION
DATA RECORDED IN JANUARY 1997
BLANDING - UTAH
UNITS ARE TENTHS OF A DEGREE

HOURLY OF THE DAY

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVG
1	41	38	136	127	351	158	615	189	182	179	390	490	368	394	262	544	170	135	261	61	90	176	116	69	231
2	105	239	670	215	142	155	190	370	359	499	585	299	417	141	315	274	90	164	432	257	247	371	143	195	287
3	154	291	403	218	490	215	297	192	349	95	107	241	254	258	172	110	173	397	490	227	401	243	221	205	258
4	193	273	119	161	276	221	256	332	204	121	122	100	114	490	360	107	124	46	661	126	81	51	71	97	196
5	69	59	132	57	71	78	204	189	91	108	141	129	97	178	122	165	134	298	126	74	87	91	81	67	119
6	74	73	90	87	83	89	94	75	76	90	344	81	92	84	84	95	285	79	114	112	312	355	246	132	135
7	360	161	593	365	198	389	220	337	127	204	432	434	282	240	147	112	111	127	343	131	196	771	472	354	296
8	337	165	472	375	135	302	85	106	79	115	136	107	90	182	379	152	325	99	85	142	260	268	498	167	211
9	215	145	186	649	249	117	76	73	225	269	213	244	213	199	221	740	148	772	440	151	363	491	250	345	291
10	550	290	146	88	129	100	90	124	102	330	290	314	392	509	250	264	180	544	445	95	319	280	106	260	258
11	286	611	690	512	85	79	65	322	403	294	202	165	158	130	125	77	149	173	116	98	108	144	101	151	219
12	464	221	382	158	132	165	306	107	81	161	119	83	73	78	83	87	131	144	98	185	101	87	86	92	151
13	93	84	99	87	88	87	94	93	91	101	139	99	93	111	84	84	90	98	96	94	95	81	284	102	
14	93	87	83	166	641	170	185	275	221	602	358	237	241	121	87	108	67	179	129	551	139	73	86	81	208
15	68	67	79	68	125	93	184	159	213	84	299	174	123	122	530	650	226	10	1	1	2	1	2	1	137
16	1	1	2	1	1	1	2	1	1	1	216	417	98	109	61	499	422	263	167	48	124	370	383	62	135
17	111	251	185	350	244	138	403	530	148	246	211	734	0	2	0	0	0	0	0	0	0	0	0	0	148
18	0	0	0	0	0	0	0	0	0	0	86	371	531	439	308	98	49	22	3	3	3	3	3	3	80
19	3	3	3	3	3	3	3	3	3	3	3	587	180	656	163	592	226	243	0	1	2	2	0	2	112
20	1	1	1	1	1	1	0	2	2	2	2	312	538	584	158	482	165	270	516	385	417	225	645	519	218
21	197	399	480	365	552	339	310	351	159	121	275	118	116	77	65	130	121	253	125	50	39	39	44	49	199
22	59	89	48	41	71	81	94	277	293	295	165	153	179	186	129	301	378	365	161	240	434	117	177	113	185
23	101	111	89	99	113	100	101	125	75	110	79	92	78	135	213	95	159	613	207	283	113	643	176	650	190
24	64	59	54	56	126	97	113	45	130	67	555	256	283	142	339	695	135	92	88	32	29	65	87	58	153
25	75	73	138	150	114	214	274	194	206	214	149	148	261	292	133	286	528	180	247	160	159	172	122	54	189
26	123	137	209	235	164	101	222	323	392	194	133	225	402	155	181	128	453	519	551	232	97	385	422	620	275
27	130	62	94	168	136	191	120	66	73	150	274	141	400	231	116	119	163	621	275	213	107	97	108	256	180
28	200	573	331	119	121	121	72	207	470	534	487	170	161	220	225	114	200	168	218	115	138	167	113	153	224
29	104	173	277	238	259	179	85	259	143	77	89	73	80	77	80	107	49	176	241	178	105	160	186	383	157
30	226	269	147	217	179	305	117	116	73	168	637	168	485	417	151	126	580	242	141	235	190	85	73	184	231
31	151	102	80	49	46	104	149	343	75	102	314	285	170	134	686	138	79	50	65	106	135	265	301	191	172
AVERAGE	150	165	207	175	172	142	162	187	163	178	242	242	225	228	202	242	197	237	221	148	158	203	174	186	192

* Indicates calibration of sensors

** Indicates invalid data

ENECOTECH INC.
SAROAD(V1.0) 08/14/97

**HOURLY AVERAGED WIND SPEED
DATA RECORDED IN FEBRUARY 1997
BLANDING - UTAH
UNITS ARE TENTHS OF A METER PER SECOND**

HOUR OF THE DAY

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVG
1	26	30	32	30	32	29	23	26	21	10	14	10	11	11	13	10	10	10	14	36	40	41	34	25	22
2	22	20	10	12	20	24	22	20	15	17	19	23	15	37	29	34	26	25	55	17	24	33	19	24	23
3	21	30	43	39	29	50	34	15	48	33	27	12	25	19	20	19	24	30	45	45	34	25	15	25	29
4	25	26	24	32	37	32	21	28	29	25	33	28	33	53	62	56	37	18	19	27	31	35	35	28	32
5	23	35	41	37	33	10	27	29	23	17	13	31	33	31	27	16	10	22	32	19	12	25	10	13	24
6	19	10	10	16	17	15	17	12	32	37	32	23	26	23	34	25	57	57	35	13	27	18	24	29	25
7	16	72	48	48	48	48	48	48	48	48	48	10	18	27	21	15	10	10	10	20	29	25	30	23	32
8	16	22	29	30	30	38	36	39	33	13	17	21	14	13	18	16	15	19	35	33	34	47	46	48	28
9	29	20	20	19	13	12	16	10	16	10	22	33	32	25	19	22	15	15	10	33	38	38	39	37	23
10	38	39	29	37	38	24	13	26	21	15	20	24	20	17	18	28	25	28	40	47	43	41	40	39	30
11	44	39	32	11	10	11	18	24	21	25	18	11	10	12	14	22	20	15	18	28	25	29	12	13	20
12	14	15	19	19	24	24	20	16	22	18	27	19	21	20	16	29	50	61	33	54	110	137	130	103	42
13	51	41	28	55	55	55	52	63	55	67	67	65	74	74	74	77	64	70	56	38	47	31	27	33	55
14	38	23	24	19	20	28	31	22	16	20	15	19	34	33	35	25	55	66	73	29	20	41	41	13	31
15	10	21	32	29	32	27	15	26	25	24	25	24	37	36	41	50	35	21	18	34	43	26	23	28	28
16	17	19	22	28	24	28	27	27	19	11	14	14	23	24	27	20	20	22	36	36	37	33	24	28	24
17	25	15	10	27	30	29	28	25	25	22	13	27	48	35	56	36	48	43	43	28	53	16	18	10	30
18	31	28	36	34	36	43	32	32	26	26	38	24	29	34	57	77	90	73	50	46	38	38	48	58	43
19	62	56	48	48	59	48	28	27	13	10	37	22	17	15	22	23	23	15	15	26	24	25	27	25	30
20	29	24	25	28	28	26	14	13	15	96	123	126	127	113	111	112	106	111	89	66	74	63	45	36	67
21	41	57	63	64	44	57	69	74	47	51	30	63	30	65	55	34	24	22	35	39	25	21	16	11	43
22	14	19	19	23	23	29	24	25	17	10	18	18	19	17	24	22	18	20	20	24	14	16	27	39	21
23	41	38	51	40	26	24	20	20	22	16	24	24	24	33	56	52	40	30	22	15	22	25	40	44	31
24	34	36	40	34	40	41	38	43	78	98	102	108	93	90	87	98	101	106	101	99	58	29	28	31	67
25	30	23	10	10	27	11	10	20	13	12	23	19	23	21	22	29	32	26	15	20	24	37	42	29	22
26	21	10	26	21	25	33	25	17	22	16	13	10	16	28	29	24	27	28	17	28	34	27	18	16	22
27	24	20	25	35	30	33	42	47	66	50	70	68	64	65	79	82	68	67	65	58	51	52	53	43	52
28	31	39	26	18	23	35	40	54	49	39	49	58	60	65	66	57	43	48	41	53	54	27	15	12	42
AVERAGE	28	30	29	30	30	31	28	30	30	30	34	33	35	37	40	40	39	39	37	36	38	36	33	31	33

* Indicates calibration of sensors

** Indicates invalid data

ENECOTECH INC.
SAROAD(V1.01) 08/14/97

**HOURLY AVERAGED WIND DIRECTION
DATA RECORDED IN FEBRUARY 1997
BLANDING - UTAH
UNITS ARE DEGREES AZIMUTH**

HOUR OF THE DAY

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVG
1	1	3	22	18	20	9	357	6	24	36	327	314	297	339	354	354	354	354	7	4	4	3	359	1	
2	3	16	16	35	44	44	25	23	30	31	255	176	259	188	176	187	189	206	217	352	19	14	30	336	
3	337	333	342	351	10	346	325	298	294	317	27	62	231	208	197	200	22	349	347	355	17	13	34	16	
4	357	0	355	2	359	360	23	61	36	35	119	134	117	137	150	168	177	227	303	336	3	4	4	6	
5	16	19	18	13	9	9	313	327	31	12	121	140	134	171	189	239	239	289	338	7	77	236	236	130	
6	178	178	64	311	10	0	37	83	32	2	346	338	279	298	318	340	328	336	28	175	21	46	37	5	
7	305	230	20	17	22	19	7	5	313	162	190	190	139	200	210	208	208	208	344	360	11	20	23		
8	6	1	12	26	24	18	7	359	335	17	23	145	70	336	310	359	47	6	360	30	7	9	5	5	
9	341	17	19	12	9	21	24	24	32	32	210	220	217	209	198	216	201	170	170	15	11	9	6	8	
10	8	6	358	3	360	23	47	38	34	60	9	103	229	245	352	359	5	359	3	5	4	3	4	7	
11	12	8	8	358	358	48	281	282	253	218	208	167	167	199	377	345	9	67	338	318	8	0	12	134	
12	58	33	313	339	353	24	25	46	34	201	200	152	149	158	138	255	200	194	157	314	335	339	338	341	
13	129	328	2	343	328	323	339	337	329	331	321	308	310	305	313	311	314	329	324	356	312	336	326	290	
14	44	344	7	12	0	334	8	16	19	350	261	205	208	187	177	195	334	329	333	17	8	338	329	352	
15	352	27	7	20	16	8	348	287	40	120	159	170	204	172	182	207	209	207	290	329	345	5	11	2	
16	22	5	11	14	25	28	42	36	15	0	311	30	350	359	14	49	61	28	5	6	3	3	10	20	
17	19	43	47	57	42	47	27	36	24	13	13	124	138	138	138	127	136	126	104	108	109	357	129	32	
18	9	41	20	31	11	16	7	2	5	30	21	28	14	47	323	330	330	329	340	344	345	331	339	313	
19	326	320	319	299	313	314	338	322	352	219	168	234	242	241	231	282	296	245	30	17	3	352	5	24	
20	23	16	22	18	24	29	10	3	340	322	322	332	332	330	321	324	319	332	333	326	327	340	326	338	
21	337	316	323	321	325	316	310	293	317	306	312	4	321	46	46	52	64	44	347	359	12	359	11	27	
22	72	302	332	4	17	13	31	42	63	134	169	130	105	67	111	56	26	252	188	192	219	26	13	358	
23	12	42	5	11	321	355	32	3	42	41	39	46	5	307	335	38	17	360	19	34	349	337	356	349	
24	320	325	321	318	321	321	319	314	20	26	40	37	35	32	26	20	29	38	39	35	47	56	138	102	
25	72	72	72	72	111	110	110	161	78	358	299	256	267	262	231	207	204	199	195	253	14	8	14	10	
26	9	321	29	32	30	18	28	27	48	88	173	173	213	163	178	181	158	137	88	27	20	23	73	50	
27	52	106	56	37	80	139	162	164	198	208	195	187	174	168	166	163	154	147	150	150	143	147	144	143	
28	138	151	147	145	159	172	187	219	214	222	208	214	198	200	205	232	251	250	232	332	349	2	5	313	

* Indicates calibration of sensors

** Indicates invalid data

ENECOTECH INC.
SAROAD(V1.0) 08/14/97

**HOURLY AVERAGED WIND DIRECTION
DATA RECORDED IN FEBRUARY 1997
BLANDING - UTAH
UNITS ARE DEGREES AZIMUTH**

HOUR OF THE DAY

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVG
1	1	3	22	18	20	9	357	6	24	36	327	314	297	339	354	354	354	354	7	4	4	3	359	1	
2	3	16	16	35	44	44	25	23	30	31	255	176	259	188	176	187	189	206	217	352	19	14	30	336	
3	337	333	342	351	10	346	325	298	294	317	27	62	231	208	197	200	22	349	347	355	17	13	34	16	
4	357	0	355	2	359	360	23	61	36	35	119	134	117	137	150	168	177	227	303	336	3	4	4	6	
5	16	19	18	13	9	9	313	327	31	12	121	140	134	171	189	239	239	289	338	7	77	236	236	130	
6	178	178	64	311	10	0	37	83	32	2	346	338	279	298	318	340	328	336	28	175	21	46	37	5	
7	305	230	20	17	22	19	7	5	313	182	190	190	139	200	210	208	208	208	208	344	360	11	20	23	
8	6	1	12	26	24	18	7	359	335	17	23	145	70	336	310	359	47	6	360	30	7	9	5	5	
9	341	17	19	12	9	21	24	24	32	32	210	220	217	209	198	216	201	170	170	15	11	9	6	8	
10	8	6	358	3	360	23	47	38	34	60	9	103	229	245	352	359	5	359	3	5	4	3	4	7	
11	12	8	8	358	358	48	281	282	253	218	208	167	167	199	347	345	9	67	338	318	8	0	12	134	
12	58	33	313	339	353	24	25	46	34	201	200	152	149	158	138	255	200	194	157	314	335	339	338	341	
13	129	328	2	343	328	323	339	337	329	331	321	308	310	305	313	311	314	329	324	356	312	336	326	290	
14	44	344	7	12	0	334	8	16	19	350	261	205	208	187	177	195	334	329	333	17	8	338	329	352	
15	352	27	7	20	16	8	348	287	40	120	159	170	204	172	182	207	209	207	290	329	345	5	11	2	
16	22	3	11	14	25	28	42	36	15	0	311	30	350	359	14	49	61	28	5	6	3	3	10	20	
17	19	43	43	57	42	47	27	36	24	13	13	124	138	138	138	127	136	126	104	108	109	357	129	32	
18	9	41	20	31	11	16	7	2	5	30	21	28	14	47	323	330	330	329	340	344	345	331	339	313	
19	326	320	319	299	313	314	338	322	352	219	168	234	242	241	231	282	296	245	30	17	3	352	5	24	
20	23	16	22	18	24	29	10	3	340	322	322	332	332	330	321	324	319	332	333	326	327	340	326	338	
21	337	316	323	321	321	316	310	293	317	306	312	4	321	46	46	52	64	44	347	359	12	359	11	27	
22	72	302	332	4	17	13	31	42	63	134	169	130	105	67	111	56	26	232	188	192	219	26	13	358	
23	12	42	5	11	321	355	32	3	42	41	39	46	5	307	335	38	17	360	19	34	349	337	356	349	
24	320	325	321	318	321	321	319	314	20	26	40	37	35	32	26	20	29	38	39	35	47	56	138	102	
25	72	72	72	72	111	110	110	161	78	358	299	256	267	262	231	207	204	199	195	253	14	8	14	10	
26	9	321	29	32	30	18	28	27	48	88	173	173	213	163	178	181	158	137	88	27	20	23	73	50	
27	52	106	56	37	80	139	162	164	198	208	195	187	174	168	166	163	154	147	150	150	143	147	144	143	
28	138	151	147	145	159	172	187	219	214	222	208	214	198	200	205	232	251	250	232	332	349	2	5	313	

* Indicates calibration of sensors

** Indicates invalid data

ENCOTECH INC.
SAROAD(V1.0) 02/14/97

HOURLY HORIZONTAL WIND DIRECTION STANDARD DEVIATION
DATA RECORDED IN FEBRUARY 1997
BLANDING - UTAH
UNITS ARE TENTHS OF A DEGREE

HOUR OF THE DAY

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVG
1	216	228	151	57	66	53	197	219	88	217	238	459	451	240	202	657	363	354	217	178	242	180	187	241	238
2	157	79	325	94	140	113	116	145	148	527	722	285	701	132	182	183	176	433	254	565	117	88	290	236	259
3	399	201	90	147	218	138	107	94	166	130	282	357	314	316	385	452	152	232	205	222	157	163	540	122	233
4	194	117	138	86	161	169	165	303	135	498	175	254	222	169	151	135	105	330	236	87	151	147	75	48	177
5	199	92	42	45	40	247	103	206	171	134	393	219	171	215	219	302	473	191	205	469	636	104	605	388	245
6	214	541	227	299	383	517	113	208	186	139	264	422	504	154	144	181	82	148	533	378	223	84	98	130	257
7	531	653	178	122	70	53	213	129	424	402	102	199	190	129	132	275	486	563	752	138	144	149	95	79	259
8	251	196	82	76	77	77	36	120	106	169	379	138	688	473	524	210	214	161	154	173	124	38	52	59	199
9	175	180	102	144	230	268	99	171	110	481	212	123	97	141	185	132	262	112	444	30	31	32	20	21	158
10	26	31	165	177	122	129	264	80	91	554	349	463	711	521	180	177	149	140	24	349	112	77	49	35	207
11	26	55	32	407	136	18	312	84	252	151	253	552	641	490	231	70	222	255	520	370	220	218	590	489	279
12	259	112	230	226	129	163	193	185	280	785	295	222	238	261	361	595	129	119	99	565	77	77	78	81	240
13	570	463	472	248	229	71	101	173	104	91	97	102	98	99	103	101	112	82	75	233	114	348	483	444	209
14	244	550	321	388	303	202	142	122	166	198	414	285	123	196	198	476	106	93	126	168	230	100	149	449	240
15	429	141	129	171	61	95	272	270	444	432	175	206	173	225	251	123	126	131	558	66	141	275	247	133	220
16	286	158	83	37	68	114	92	88	98	259	442	438	107	173	149	468	456	266	151	93	148	289	191	51	196
17	119	158	200	116	95	141	68	116	137	210	323	363	140	142	135	244	134	106	127	339	94	450	235	697	204
18	283	89	149	156	51	49	116	203	161	139	106	279	267	179	165	118	77	76	153	218	357	178	216	94	162
19	66	73	216	138	131	181	363	187	430	656	156	326	478	517	281	285	250	390	32	60	194	224	264	100	252
20	86	71	85	52	72	105	340	327	360	114	98	81	87	115	93	99	96	114	101	123	76	117	120	236	132
21	229	94	93	89	96	120	104	71	321	270	472	474	554	125	139	259	172	312	124	211	178	292	179	331	222
22	498	451	418	247	115	103	139	159	301	450	380	360	553	566	322	354	200	735	341	187	155	383	216	158	325
23	75	138	146	74	342	264	210	221	188	301	270	486	360	465	245	101	190	235	235	133	258	235	256	98	229
24	151	78	64	111	71	71	112	183	149	89	82	72	88	89	77	62	78	70	81	89	135	130	335	274	114
25	165	91	177	179	114	133	338	321	298	229	270	230	162	223	179	112	107	111	196	200	156	51	146	203	183
26	129	470	107	83	130	85	101	156	145	300	405	754	389	238	211	244	212	109	229	123	78	78	470	178	226
27	111	296	209	104	223	124	96	86	170	85	96	84	104	88	86	86	93	86	81	79	87	81	86	85	114
28	91	90	86	73	83	87	89	137	121	146	85	110	87	83	79	121	157	136	126	274	192	304	367	613	156
AVERAGE	221	211	168	148	141	143	164	170	205	291	269	305	311	242	200	237	192	218	230	219	172	175	237	217	212

* Indicates calibration of sensor

** Indicates invalid data

ENECOTECH INC.
SAROAD(V1.0) 08/14/97

**HOURLY AVERAGED WIND DIRECTION
DATA RECORDED IN MARCH 1997
BLANDING - UTAH
UNITS ARE DEGREES AZIMUTH**

HOUR OF THE DAY

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVG
1	7	42	13	355	270	27	358	357	16	18	143	195	208	216	212	190	185	146	54	34	9	12	8	15	
2	21	15	15	17	13	18	12	16	34	341	348	342	332	2	136	136	47	54	53	28	13	11	9	3	
3	304	37	50	26	34	25	29	19	41	86	189	190	186	199	199	216	236	234	248	255	226	254	262	324	
4	8	27	333	337	341	330	86	2	187	308	312	316	323	341	330	322	321	314	348	354	350	345	328	356	
5	18	1	329	341	346	5	24	17	30	13	251	312	177	186	214	193	193	49	54	19	5	4	359	3	
6	10	24	32	18	2	358	3	13	16	360	343	347	327	348	352	340	350	10	23	359	356	0	357	13	
7	14	7	4	4	304	25	47	123	173	202	202	237	228	231	236	227	219	201	20	14	5	4	4	2	
8	4	8	15	26	15	295	323	332	178	139	151	136	154	202	214	226	254	245	250	297	329	335	338	359	
9	336	19	340	343	350	2	349	353	269	219	162	206	187	211	206	207	176	134	100	17	349	354	348	356	
10	357	3	10	12	297	25	26	47	134	148	183	199	207	253	76	67	53	53	28	14	1	351	347	353	
11	5	2	359	8	89	29	29	47	44	72	129	142	122	191	207	50	203	164	72	15	3	4	4	6	
12	4	6	87	24	37	32	39	58	136	139	161	189	175	174	203	223	239	255	249	323	30	15	11	34	
13	39	61	58	33	27	25	28	46	57	63	139	344	344	327	332	317	320	308	321	5	352	344	340	344	
14	351	342	239	307	341	17	6	19	111	197	190	200	202	206	208	226	260	262	255	4	0	10	10	17	
15	18	18	37	27	18	16	18	51	121	138	193	204	212	199	227	201	244	208	141	67	18	13	16	56	
16	46	26	31	26	19	26	33	31	56	138	160	184	163	345	328	296	303	359	29	16	12	15	63	42	
17	38	23	34	26	27	31	17	32	50	138	146	206	238	250	258	321	341	0	352	354	357	344	329	322	
18	275	272	306	35	29	19	17	354	48	4	42	26	55	36	40	37	321	352	326	339	348	356	336	337	
19	320	9	5	3	352	345	354	351	31	43	37	32	5	44	54	48	57	54	350	335	333	341	340	1	
20	360	357	360	19	26	14	14	14	14	190	215	213	215	202	195	193	217	196	182	58	12	9	6	15	
21	17	18	18	18	43	31	24	38	91	156	143	164	183	186	200	218	214	72	34	6	6	358	342	342	
22	350	12	9	320	3	8	336	46	247	211	221	218	215	205	199	217	186	199	255	2	14	10	355	7	
23	9	15	27	50	20	16	14	33	110	135	187	185	212	208	226	238	252	247	280	276	344	16	17	30	
24	298	48	31	20	25	36	20	27	299	333	325	317	331	346	333	335	350	341	329	335	357	349	341	348	
25	338	331	319	329	324	320	338	312	255	27	28	50	67	310	38	31	41	53	59	320	313	10	14	10	
26	302	283	348	18	10	35	29	138	146	147	162	228	230	232	182	197	189	184	179	179	14	18	23	360	
27	7	129	15	15	15	10	10	300	193	179	194	189	222	250	265	275	259	264	296	303	279	355	358	4	
28	9	14	20	12	351	42	31	54	145	172	193	213	240	233	237	226	226	249	268	279	304	323	324	320	
29	333	310	293	306	329	329	325	329	334	36	306	36	346	41	19	239	258	162	68	47	322	358	8	346	
30	359	3	4	47	357	329	60	71	138	176	180	179	159	206	198	218	236	172	145	46	5	4	8	30	
31	54	123	96	37	35	32	62	160	151	153	168	162	182	183	141	150	104	142	198	215	288	285	235	158	

* Indicates calibration of sensors

** Indicates invalid data

ENECOTECH INC.
SAROAD(V1.0) 08/14/97

**HOURLY HORIZONTAL WIND DIRECTION STANDARD DEVIATION
DATA RECORDED IN MARCH 1997
BLANDING - UTAH
UNITS ARE TENTHS OF A DEGREE**

HOUR OF THE DAY

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVG
1	138	279	65	118	407	136	286	207	160	408	167	148	86	164	196	203	162	212	209	86	50	79	67	56	170
2	42	34	48	39	64	61	37	60	130	500	283	280	341	238	590	254	185	139	129	76	131	104	106	159	168
3	385	192	297	92	101	107	135	90	106	546	141	138	151	165	131	106	95	72	121	326	103	141	325	151	176
4	213	279	170	125	230	166	527	550	658	159	110	116	143	148	145	192	190	100	116	120	39	76	104	330	209
5	132	123	241	222	288	292	94	51	88	350	285	671	374	269	234	332	470	69	88	115	93	138	116	199	222
6	73	35	54	96	141	134	111	119	205	236	219	297	244	249	226	287	291	142	75	208	159	174	105	184	169
7	105	58	86	252	562	156	138	408	190	566	383	419	474	309	314	515	196	639	177	91	326	228	28	43	278
8	207	113	86	73	81	603	141	300	313	333	195	202	394	281	144	163	172	106	143	240	71	275	186	266	212
9	110	380	78	79	83	162	232	239	609	275	300	230	299	450	328	401	521	205	360	110	239	124	113	131	252
10	151	215	172	88	575	160	84	299	128	215	583	507	549	560	526	433	423	475	74	193	219	323	185	235	307
11	300	257	160	453	341	128	99	130	151	305	281	334	437	248	393	679	408	140	419	101	49	32	42	27	246
12	200	343	415	148	147	114	96	115	276	198	303	348	250	235	319	216	165	101	95	177	401	51	111	113	206
13	219	121	257	72	88	122	88	118	114	266	613	378	171	304	152	155	134	99	179	175	98	101	65	83	174
14	103	400	424	205	243	262	107	103	607	228	199	263	381	318	204	181	129	85	485	288	199	247	124	55	243
15	106	66	107	92	48	49	53	132	241	260	264	228	260	245	287	248	226	222	133	538	31	41	73	119	170
16	69	71	87	73	89	59	78	113	278	273	436	294	313	649	426	393	275	196	46	84	97	221	223	115	207
17	177	122	141	124	114	150	87	88	101	345	292	189	207	171	189	256	153	167	128	117	205	153	253	158	170
18	725	155	424	275	321	258	308	378	174	365	192	402	136	144	200	298	203	367	92	190	246	294	129	156	268
19	246	280	251	398	250	293	327	184	116	135	109	276	477	166	147	147	139	101	287	162	210	42	121	147	209
20	176	207	178	166	61	277	618	343	424	588	206	183	194	183	264	251	153	162	79	383	69	98	43	60	224
21	77	226	540	499	203	265	77	133	370	256	255	383	392	213	198	277	247	684	254	91	105	171	96	135	256
22	214	196	138	317	173	166	385	252	387	323	207	183	180	209	224	252	221	108	281	234	112	145	172	210	220
23	157	101	76	119	73	78	46	133	314	412	306	269	268	229	291	532	147	146	276	300	110	173	338	333	218
24	542	206	81	89	72	156	135	188	690	106	133	144	234	119	132	147	126	137	114	173	146	84	100	137	175
25	148	105	127	87	136	67	82	239	429	493	450	142	162	479	285	289	168	114	67	200	85	183	106	61	196
26	485	306	199	80	72	79	163	472	131	182	327	397	545	468	291	161	159	126	99	445	183	212	97	150	243
27	136	523	160	525	551	145	710	177	314	167	190	243	249	143	126	134	145	123	135	220	255	757	170	168	269
28	275	179	199	215	234	288	116	260	175	215	236	201	235	240	185	158	210	210	82	107	183	89	79	82	186
29	106	131	130	159	242	99	114	101	152	497	236	476	513	692	490	306	357	681	73	315	666	228	73	251	295
30	164	210	527	285	334	254	573	178	301	229	298	348	325	343	515	488	527	327	146	323	42	164	66	119	295
31	240	212	364	106	127	137	294	161	116	148	209	201	180	182	163	468	465	590	145	126	217	82	519	672	255
AVERAGE	207	198	203	183	208	175	205	204	273	309	271	287	296	284	268	288	241	227	165	204	166	169	140	165	222

* Indicates calibration of sensors

** Indicates invalid data

ENECCO TECH INC.
SAROAD(V1.0) 08/14/97

HOURLY AVERAGED WIND SPEED DATA RECORDED IN APRIL 1997 BLANDING - UTAH UNITS ARE TENTHS OF A METER PER SECOND

HOUR OF THE DAY

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVG
1	50	74	42	40	62	45	54	50	47	34	41	41	64	41	25	29	16	42	60	53	42	28	30	16	43
2	21	24	27	38	39	38	45	44	43	54	65	45	69	85	104	101	66	31	36	28	47	34	43	40	49
3	26	39	25	23	36	47	43	35	39	56	55	50	27	39	49	53	46	27	27	79	80	63	62	48	45
4	24	29	38	33	23	29	33	40	42	42	46	70	70	59	43	48	45	47	46	36	22	43	26	18	40
5	29	16	13	30	22	26	47	70	93	81	74	78	90	74	67	68	52	71	40	44	35	35	42	40	52
6	22	22	35	1	10	10	26	30	35	22	23	28	28	35	31	39	31	28	24	15	43	52	39	24	28
7	31	31	27	31	25	18	19	21	37	33	29	33	26	18	23	28	22	25	36	33	36	26	36	33	28
8	38	35	31	26	30	28	18	25	24	21	25	29	45	50	54	28	30	43	40	26	43	44	22	30	33
9	25	15	23	25	21	15	28	48	71	106	106	112	108	138	115	105	93	103	73	80	61	60	27	39	67
10	25	30	30	26	30	23	10	19	28	36	33	46	47	71	66	73	102	91	90	82	91	45	63	43	50
11	59	65	37	35	42	42	34	43	22	58	112	94	88	100	98	85	92	78	59	20	17	11	18	23	56
12	21	10	12	22	14	14	19	2	42	59	81	70	59	46	30	37	90	91	86	62	52	37	42	41	44
13	15	28	32	37	31	26	14	17	27	21	20	23	24	28	27	31	26	47	49	27	17	39	30	36	28
14	28	19	27	32	20	22	18	19	17	23	29	30	33	32	36	39	45	48	30	19	15	35	33	37	29
15	37	24	27	29	14	10	10	16	19	29	41	36	31	24	39	29	38	20	27	47	56	53	43	45	31
16	49	46	53	46	48	33	17	10	34	28	23	30	34	29	35	32	29	27	37	36	34	27	21	24	33
17	27	45	44	26	23	37	22	21	16	13	28	33	30	26	25	36	26	20	28	13	21	38	44	30	28
18	24	35	26	25	28	34	22	13	26	38	35	29	32	33	41	31	36	49	44	26	24	39	35	33	32
19	24	17	17	19	28	29	21	19	30	42	45	56	69	71	66	57	64	67	54	30	20	34	41	44	40
20	54	52	28	45	55	53	47	57	65	45	35	34	27	23	70	56	51	42	33	15	27	37	33	32	42
21	36	26	26	29	39	28	12	13	23	25	4	54	76	111	119	115	102	83	67	23	11	16	25	18	47
22	38	33	22	28	18	51	39	58	76	76	86	60	56	45	58	52	50	46	47	16	18	39	47	53	46
23	39	43	28	25	13	19	17	24	18	26	24	50	32	32	62	54	53	29	68	48	25	24	19	18	33
24	26	27	38	31	35	26	44	57	63	61	63	63	55	45	55	68	101	56	84	66	48	38	22	32	50
25	24	24	17	25	26	21	14	17	30	30	37	34	39	30	16	22	29	30	19	25	32	18	30	28	26
26	36	36	37	32	31	28	13	19	17	15	26	20	23	42	58	58	69	62	43	47	44	46	39	49	37
27	47	38	43	45	25	18	10	35	33	30	33	35	42	39	43	45	46	36	26	18	34	45	23	31	34
28	44	37	34	30	34	30	24	11	31	14	53	64	63	78	67	85	85	85	36	38	33	30	29	37	43
29	35	29	39	23	11	10	15	10	21	29	58	74	82	98	113	74	72	120	76	64	65	36	32	36	51
30	33	29	25	32	39	35	26	18	17	24	37	41	47	52	56	62	59	61	25	10	16	16	19	17	33
AVERAGE	33	32	30	30	29	28	25	29	36	39	46	48	51	53	57	54	56	54	47	38	37	36	34	33	40

* Indicates calibration of sensors

** Indicates invalid data

ENECOTECH INC.

SAROAD(V1.0) 08/14/97

HOURLY AVERAGED WIND DIRECTION
DATA RECORDED IN APRIL 1997
BLANDING - UTAH
UNITS ARE DEGREES AZIMUTH

HOUR OF THE DAY

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVG
1	303	344	16	43	37	14	36	37	23	15	312	314	307	333	14	4	6	46	40	28	10	323	313	24	
2	58	49	42	42	28	24	19	47	48	118	155	179	200	227	238	257	274	263	338	333	332	335	290	322	
3	297	305	12	44	26	37	47	51	85	127	140	138	190	171	68	21	320	329	334	40	23	287	342	4	
4	57	192	215	255	260	203	178	193	180	176	174	181	176	151	85	65	52	40	25	1	292	347	322	278	
5	7	184	253	271	265	265	284	319	314	302	291	270	289	292	282	273	270	256	297	325	343	341	351	356	
6	21	346	344	154	154	154	5	18	25	40	124	205	184	205	224	213	213	220	226	344	11	21	28	33	
7	22	17	22	20	20	14	89	82	119	128	125	156	221	164	202	249	222	115	59	31	16	23	17	28	
8	20	14	14	17	20	26	40	71	130	151	176	194	193	183	246	278	87	91	106	165	186	143	86	338	
9	4	15	32	39	40	128	184	201	187	190	191	204	218	227	247	257	261	259	253	257	264	260	222	193	
10	173	146	154	205	235	257	257	197	196	222	204	201	221	258	301	348	356	331	321	322	328	321	303	333	
11	317	320	333	310	319	345	320	304	279	309	316	335	329	314	320	320	326	330	322	9	20	280	278	2	
12	6	6	40	349	16	240	25	292	317	16	40	32	37	29	351	335	318	325	326	317	323	312	319	352	
13	0	356	339	331	347	15	38	175	154	141	43	181	191	165	129	192	194	207	196	178	98	22	19	7	
14	339	357	12	12	21	25	29	120	130	160	182	194	190	187	200	186	190	182	168	145	38	7	8	3	
15	359	8	31	21	32	32	29	227	183	174	176	197	189	215	347	332	358	341	333	359	358	355	2	3	
16	4	10	22	14	8	349	328	328	66	215	154	177	223	234	211	218	208	200	200	229	25	354	6	357	
17	11	16	5	31	35	18	352	290	282	202	195	195	194	218	241	224	236	219	182	156	275	1	186	192	
18	34	26	75	30	36	2	4	254	5	6	184	226	195	213	186	350	226	239	252	254	343	332	338	343	
19	35	28	31	34	34	32	37	64	154	180	187	202	231	237	247	242	248	245	255	254	311	347	343	344	
20	350	355	333	322	336	324	336	321	322	330	335	357	196	200	265	272	264	281	251	318	357	329	330	319	
21	330	330	4	358	359	355	136	101	173	210	247	294	299	330	342	334	329	339	349	345	46	345	17	344	
22	309	356	307	14	111	346	319	333	333	341	354	337	333	332	318	334	352	334	329	359	9	339	342	348	
23	0	353	9	3	51	96	14	42	76	97	147	203	211	145	152	123	250	129	286	358	273	242	215	33	
24	348	43	13	6	9	14	46	57	64	65	63	60	273	281	20	39	44	37	16	3	46	103	160	166	
25	222	199	300	309	335	332	57	170	196	189	200	216	216	219	200	188	208	183	177	250	21	76	34	36	
26	24	21	3	353	10	17	39	196	214	228	46	15	9	346	332	331	336	335	350	354	3	17	11	13	
27	14	19	11	1	38	34	161	164	185	173	182	198	207	197	191	191	197	161	130	65	14	280	284	20	
28	20	33	20	32	24	13	22	43	290	68	277	211	210	215	256	256	251	259	241	232	234	233	236	205	
29	209	219	247	209	132	50	75	120	174	188	213	242	233	241	287	265	316	334	331	333	335	324	349	332	
30	307	337	50	286	341	12	13	12	186	140	211	204	206	205	215	233	224	230	221	221	68	38	27	57	

* Indicates calibration of sensors

** Indicates invalid data

ENECOTECH INC.
SAROADIV1.01 08/14 '97

HOURLY HORIZONTAL WIND DIRECTION STANDARD DEVIATION
DATA RECORDED IN APRIL 1997
BLANDING - UTAH
UNITS ARE TENTHS OF A DEGREE

HOUR OF THE DAY

DAY	1	2	3	4	5	6	7	8*	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVG
1	560	82	213	167	131	125	93	165	110	295	135	176	101	272	162	396	278	98	87	80	149	187	260	288	192
2	159	286	133	72	92	69	72	96	106	300	135	254	175	150	113	166	149	226	459	508	83	286	265	230	191
3	220	290	294	351	579	209	81	92	250	174	197	201	385	330	298	261	122	564	491	127	68	263	136	119	255
4	494	165	135	178	138	223	78	88	115	120	100	89	93	150	239	365	123	106	219	157	313	116	548	622	207
5	640	324	107	182	2	3	277	112	104	150	157	226	139	192	186	173	211	94	151	155	144	112	112	112	169
6	147	151	98	590	424	367	129	108	124	253	480	505	627	287	406	256	350	231	149	574	138	46	95	79	276
7	41	36	25	49	141	161	736	258	163	211	240	243	391	531	615	448	377	418	80	84	38	134	101	59	233
8	56	34	48	79	45	65	113	216	171	297	333	314	263	228	234	620	332	120	191	578	244	268	432	337	226
9	189	283	115	59	157	416	177	105	94	111	129	127	123	91	157	117	121	89	95	117	93	131	278	180	148
10	214	121	129	112	127	625	276	257	256	210	288	241	260	210	547	89	177	113	112	99	124	285	180	159	217
11	102	69	172	191	103	95	103	122	362	195	90	123	147	138	116	121	120	111	120	328	311	680	268	287	186
12	187	279	186	510	234	478	468	181	217	258	97	98	111	234	334	452	121	92	88	87	78	185	185	182	223
13	603	103	255	271	218	277	268	545	290	443	405	542	612	449	467	477	513	194	70	144	726	54	53	65	335
14	338	251	29	40	94	95	124	260	316	266	300	285	389	350	283	247	186	124	143	105	190	129	174	169	204
15	215	168	77	64	203	234	195	388	358	250	239	231	369	617	311	285	297	150	139	121	164	180	199	192	235
16	154	123	39	36	111	206	362	669	698	333	553	692	469	377	396	291	337	179	67	594	143	250	163	153	308
17	255	143	103	744	179	56	306	154	482	521	271	200	339	545	493	493	366	313	202	486	295	534	73	252	325
18	298	145	481	280	609	138	190	543	540	210	205	630	263	320	713	586	213	200	113	92	119	42	44	109	295
19	115	72	87	140	70	80	87	258	164	171	204	207	206	168	170	177	141	119	103	103	194	136	152	125	144
20	79	199	172	109	49	37	60	111	111	209	311	338	548	443	171	158	147	233	177	644	95	111	142	176	201
21	117	332	146	188	218	194	707	373	278	191	485	307	188	142	110	134	148	165	109	158	178	275	222	454	242
22	93	215	422	435	691	176	185	101	131	157	171	226	220	323	247	162	291	223	81	218	165	155	47	49	216
23	213	152	98	159	368	243	281	150	288	466	275	226	275	263	298	156	471	652	484	442	331	247	233	385	298
24	347	126	99	174	109	221	95	85	124	95	119	198	156	310	168	177	130	158	162	238	123	293	161	149	167
25	252	385	466	195	96	190	409	303	229	235	240	263	242	324	535	341	295	136	206	296	627	401	186	74	289
26	84	105	121	100	131	103	127	241	516	687	363	567	487	371	250	231	199	185	164	105	183	103	121	74	234
27	124	157	93	293	295	149	405	154	205	259	322	225	261	264	221	209	211	128	111	319	154	289	449	100	225
28	146	155	148	380	93	125	57	510	547	535	640	201	176	176	168	162	168	124	81	75	72	164	155	93	215
29	120	203	85	448	373	187	184	213	177	165	190	145	170	179	116	133	241	124	136	113	104	266	207	94	182
30	168	180	682	198	274	136	150	352	451	426	364	426	255	265	264	161	145	128	108	427	170	265	117	245	265
AVERAGE	224	178	175	226	212	189	227	240	266	273	268	284	281	290	293	268	233	193	163	246	194	220	193	187	230

* Indicates calibration of sensors

** Indicates invalid data

ENECOTECH INC.
SAROAD(V1.0) 08/14/97

**HOURLY AVERAGED WIND SPEED
DATA RECORDED IN MAY 1997
BLANDING - UTAH
UNITS ARE TENTHS OF A METER PER SECOND**

HOURLY OF THE DAY

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVG
1	24	33	29	25	22	27	118	130	45	30	33	54	50	35	76	103	100	88	80	87	82	79	87	78	63
2	94	76	76	51	18	18	20	24	22	20	28	38	35	40	53	47	45	43	39	24	40	42	39	41	41
3	39	31	32	29	36	36	23	17	24	28	34	30	28	32	32	35	37	38	29	11	28	42	36	30	31
4	44	43	42	33	30	27	16	11	36	32	27	38	54	68	59	68	54	52	34	21	28	36	30	36	38
5	40	32	41	35	39	24	15	16	29	46	37	27	37	43	46	39	25	22	30	19	30	48	46	50	34
6	41	32	41	38	44	34	24	25	28	34	29	29	41	53	42	50	44	38	44	34	43	51	40	52	39
7	34	28	43	39	50	50	41	32	30	22	20	42	33	51	58	40	54	41	45	42	44	34	35	54	40
8	31	13	38	38	37	39	19	15	19	23	33	28	77	75	63	60	30	19	16	10	22	20	26	37	33
9	45	44	37	39	32	33	27	57	50	60	57	52	40	32	39	88	74	59	22	10	10	22	25	31	41
10	29	16	31	30	26	33	16	10	20	23	22	25	16	12	26	27	25	23	21	25	41	28	27	21	24
11	32	24	34	22	14	30	19	29	32	25	30	27	26	42	25	22	34	45	49	44	45	51	50	17	32
12	24	20	27	36	39	33	29	24	37	29	32	28	37	43	53	48	50	63	57	46	43	51	48	50	39
13	43	43	40	28	23	18	16	20	22	35	43	33	30	46	55	57	54	56	48	38	46	47	60	51	40
14	16	25	22	46	31	32	22	25	28	33	47	39	33	38	49	47	40	65	72	52	59	55	62	63	42
15	64	51	58	48	23	29	25	15	11	16	26	25	27	27	37	33	25	19	32	63	71	51	45	25	35
16	24	34	21	13	32	31	22	23	27	32	31	24	32	40	33	44	26	30	33	18	18	43	27	24	28
17	32	58	29	31	45	36	18	22	29	27	37	40	47	61	58	76	76	44	27	32	29	33	28	37	40
18	19	31	47	24	26	17	21	11	18	33	43	61	72	69	65	61	90	71	49	44	35	37	25	22	41
19	25	27	17	25	44	42	33	23	20	21	19	30	32	30	33	45	103	89	42	27	37	55	72	76	40
20	55	45	34	31	19	18	36	35	28	23	35	34	35	29	43	44	40	77	84	84	45	33	20	39	40
21	43	32	23	25	33	25	16	27	46	56	64	34	16	28	35	36	12	10	10	13	53	22	22	14	29
22	17	23	12	10	10	48	10	18	32	27	32	38	32	35	23	65	59	15	49	61	40	38	38	15	31
23	28	30	37	37	35	20	10	20	24	27	30	33	37	42	57	68	75	100	52	32	21	15	10	10	35
24	50	57	42	41	52	24	24	12	41	43	44	22	45	74	74	38	21	24	16	22	19	29	25	35	36
25	14	33	34	34	42	33	34	23	25	28	54	37	42	62	60	74	71	86	94	71	27	26	23	30	44
26	37	48	60	46	16	14	24	60	68	54	42	50	48	39	43	56	48	62	55	40	46	45	57	45	46
27	48	45	31	18	24	14	10	12	22	20	24	25	30	28	50	55	63	44	38	34	28	28	34	24	31
28	30	37	29	24	18	17	11	10	23	30	38	41	48	53	40	49	45	34	25	33	34	35	34	26	32
29	30	37	37	23	15	13	12	21	25	21	30	34	43	65	83	70	58	43	32	53	65	70	46	48	41
30	45	34	23	15	27	17	19	20	21	21	35	36	45	36	48	46	58	57	44	43	56	62	42	22	36
31	29	22	23	10	17	25	10	15	22	24	28	33	38	29	27	30	28	30	22	17	20	39	38	40	26
AVERAGE	36	36	35	30	30	28	24	26	29	30	35	35	39	44	48	52	50	48	42	37	39	41	39	37	37

* Indicates calibration of sensors

** Indicates invalid data

ENECOTECH INC.
SAROAD(V1.0) 08/14/97

**HOURLY AVERAGED WIND DIRECTION
DATA RECORDED IN MAY 1997
BLANDING - UTAH
UNITS ARE DEGREES AZIMUTH**

HOUR OF THE DAY

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVG
1	32	33	38	28	17	7	333	331	312	265	304	303	313	285	262	269	281	319	339	342	342	339	333	322	
2	316	319	333	332	5	346	150	219	169	184	210	200	204	217	212	197	182	168	168	129	25	13	8	4	
3	3	6	13	12	14	11	12	105	119	154	158	175	214	209	214	201	224	272	290	86	18	11	7	19	
4	18	10	6	19	36	15	29	106	164	157	189	192	205	226	241	239	252	263	257	245	15	7	8	18	
5	11	26	10	15	12	7	335	198	147	155	166	178	206	194	209	219	219	246	210	172	17	9	25	17	
6	7	20	17	28	13	17	32	108	149	157	163	190	189	210	226	215	211	220	262	291	340	352	339	337	
7	52	313	343	351	325	330	323	314	285	273	220	289	332	12	52	16	17	15	0	351	6	7	278	284	
8	171	209	14	12	7	10	20	131	156	162	193	208	346	337	131	194	115	30	41	41	356	336	39	26	
9	11	5	18	13	17	22	58	132	131	134	153	152	154	138	324	28	68	57	86	86	86	44	37	11	
10	0	345	353	348	350	351	138	138	127	136	180	177	182	266	277	297	345	277	270	312	358	19	29	39	
11	30	5	21	43	4	1	16	160	144	153	175	206	198	282	214	210	298	324	340	359	3	357	355	86	
12	339	34	98	47	18	11	19	164	185	181	196	197	219	270	301	324	337	317	333	329	352	4	359	345	
13	342	344	329	337	8	23	357	199	176	185	189	252	256	308	322	302	335	345	360	4	5	346	345	343	
14	161	48	14	7	14	348	5	206	181	166	176	195	232	296	306	325	345	301	293	316	328	325	339	338	
15	329	347	325	338	13	31	39	77	118	163	170	256	245	233	139	66	85	42	340	343	347	335	340	20	
16	59	28	325	176	18	26	42	143	170	187	188	234	253	286	258	234	232	4	8	41	36	6	32	121	
17	3	358	358	42	22	19	5	149	126	158	187	184	209	226	241	267	269	286	307	328	341	316	233	245	
18	271	350	2	357	10	27	22	44	116	151	206	245	257	263	264	281	310	318	331	323	350	5	322	227	
19	328	296	34	29	14	13	33	81	154	149	261	307	243	287	249	249	257	295	330	7	147	116	134	137	
20	137	134	134	124	116	133	154	152	149	163	162	179	218	294	243	172	180	210	269	298	318	175	293	334	
21	346	3	26	33	11	11	50	125	149	143	210	250	348	25	311	287	70	70	288	239	280	0	46	185	
22	218	220	211	211	211	43	43	247	221	190	158	180	213	241	326	3	12	281	24	40	22	344	314	77	
23	32	14	5	5	5	360	360	130	106	139	159	169	202	208	228	204	226	237	235	227	193	138	184	184	
24	228	221	204	205	185	120	173	101	218	174	252	35	74	143	216	317	119	116	142	105	50	18	37	338	
25	76	28	13	1	342	28	27	59	142	145	188	154	194	200	208	196	223	333	337	347	338	216	143	311	
26	312	332	345	340	79	270	306	342	318	319	327	338	357	346	350	351	346	9	8	9	12	14	8	5	
27	11	3	358	13	357	8	8	116	76	185	181	215	193	223	341	347	356	355	353	7	20	6	341	356	
28	18	15	8	357	354	13	348	348	165	160	190	189	200	209	199	224	266	277	313	359	3	2	4	72	
29	23	13	8	13	21	177	349	118	139	164	187	194	196	244	264	289	313	324	8	351	349	351	8	17	
30	339	327	283	275	273	300	304	282	197	153	318	262	249	242	332	317	336	339	355	5	11	7	8	319	
31	321	359	335	335	13	20	121	113	182	193	197	205	214	208	222	178	189	209	249	293	358	8	19		

* Indicates calibration of sensors

** Indicates invalid data

ENECOTECH INC.
SAROAD(V1.0) 08/14/97

HOURLY HORIZONTAL WIND DIRECTION STANDARD DEVIATION
DATA RECORDED IN MAY 1997
BLANDING - UTAH
UNITS ARE TENTHS OF A DEGREE

HOUR OF THE DAY

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVG
1	137	130	102	110	177	190	98	90	165	218	378	243	399	363	241	152	151	185	91	82	84	104	86	112	170
2	88	134	100	92	613	400	363	279	729	559	414	330	357	223	176	171	243	94	64	313	98	35	28	218	255
3	185	179	36	64	46	47	140	351	338	272	274	317	315	342	437	271	345	248	202	277	151	56	53	98	210
4	35	118	36	113	93	81	86	434	206	231	250	186	171	217	174	154	170	133	115	130	141	114	60	91	148
5	157	290	78	58	85	334	350	331	215	160	212	279	226	225	254	260	285	606	219	174	283	70	186	31	224
6	180	138	118	111	53	70	124	329	227	222	330	315	299	211	336	239	255	131	129	145	56	39	72	96	176
7	648	342	131	228	62	59	88	124	308	482	595	399	297	414	234	361	118	120	163	38	104	188	338	182	251
8	553	783	81	65	167	64	99	599	243	299	355	463	142	440	336	167	399	116	336	346	218	581	127	60	293
9	131	116	79	61	65	65	313	142	193	191	220	241	457	378	405	338	91	130	295	127	259	221	133	49	196
10	157	168	116	62	116	65	423	252	279	260	420	435	600	508	207	341	338	152	125	256	142	359	329	291	267
11	177	151	90	88	373	123	221	183	193	350	365	363	374	650	623	475	372	222	77	151	192	163	387	597	290
12	442	333	341	205	73	105	149	356	234	295	359	409	323	611	279	346	201	126	130	62	68	75	153	97	241
13	188	191	265	681	197	172	452	270	308	142	195	382	472	326	237	206	320	214	154	136	229	51	78	71	247
14	589	241	157	88	125	226	416	176	169	189	252	314	540	542	323	223	192	129	103	122	59	119	59	67	226
15	61	131	65	465	180	79	104	303	292	602	575	653	361	443	575	387	299	315	121	93	144	164	119	674	300
16	235	154	572	753	181	129	143	363	208	270	259	543	407	315	392	198	363	556	222	211	463	118	505	416	341
17	182	240	499	248	55	96	315	255	207	306	224	274	240	238	250	153	131	201	130	99	83	541	295	225	229
18	515	233	133	230	200	198	139	340	438	396	297	256	179	202	260	284	152	121	101	56	181	202	433	274	243
19	432	228	245	190	62	75	187	199	459	379	675	534	443	463	456	240	192	184	202	726	289	102	111	101	299
20	112	112	138	96	119	186	121	193	369	365	322	347	425	397	284	273	203	213	175	142	161	483	439	88	240
21	96	173	71	83	104	52	280	261	194	124	139	418	265	230	479	237	736	231	443	282	191	494	129	153	244
22	221	86	186	274	128	443	237	244	176	271	250	239	361	328	448	204	160	590	175	78	241	200	343	398	262
23	71	190	185	70	218	396	195	192	235	274	330	294	285	225	222	215	133	109	98	61	291	178	340	632	227
24	74	78	89	119	122	243	425	428	338	327	456	570	188	151	565	295	765	246	319	165	114	84	151	308	276
25	234	121	65	118	249	125	116	377	290	344	194	189	290	169	141	135	193	276	109	162	402	507	391	198	225
26	258	120	78	93	431	662	226	177	147	187	234	280	294	326	327	245	203	175	109	131	48	91	118	63	209
27	67	143	198	149	270	326	547	761	387	452	422	502	472	644	234	187	210	157	125	61	224	134	139	239	294
28	264	116	124	212	246	310	357	550	241	239	218	202	294	211	313	179	171	125	136	231	280	277	134	552	249
29	125	114	110	71	261	517	348	175	199	295	355	225	306	298	172	198	111	115	185	165	94	89	109	90	197
30	134	164	499	345	112	380	158	348	391	625	377	395	302	425	264	290	294	152	158	200	44	66	200	405	280
31	192	197	472	179	82	68	432	257	461	354	344	265	340	508	430	668	431	265	273	213	218	217	375	110	306
AVERAGE	224	191	176	185	170	203	247	301	285	312	332	350	336	356	325	261	265	214	170	175	179	197	207	232	246

* Indicates calibration of sensors

** Indicates invalid data

ENECOTECH INC.
SAROAD(V1.0) 08/14/97

**HOURLY AVERAGED WIND SPEED
DATA RECORDED IN JUNE 1997
BLANDING - UTAH
UNITS ARE TENTHS OF A METER PER SECOND**

HOUR OF THE DAY

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVG
1	44	30	23	27	23	25	24	19	37	39	51	59	56	62	51	77	68	60	38	31	39	42	31	37	41
2	17	23	19	25	28	27	15	16	15	25	30	34	50	55	55	52	48	62	54	37	25	38	30	29	34
3	34	37	47	54	43	29	29	40	44	34	33	34	33	40	42	51	35	18	27	21	28	51	52	49	38
4	26	10	33	41	43	33	16	30	58	43	42	42	42	44	50	56	67	58	30	10	23	42	42	38	38
5	35	44	46	40	41	36	29	21	30	38	53	62	63	87	71	83	83	89	63	75	58	48	33	24	52
6	36	41	43	43	29	24	20	20	16	39	76	106	102	82	66	60	60	32	23	17	18	16	27	23	42
7	12	19	23	23	31	27	18	31	56	25	10	32	53	23	22	42	43	63	70	81	23	28	38	43	35
8	19	23	23	28	23	19	13	16	16	29	24	28	30	32	31	67	46	31	32	17	17	15	17	32	26
9	29	22	14	20	15	15	15	20	25	21	19	19	19	16	15	17	16	27	18	38	46	40	26	38	23
10	36	37	42	52	53	25	21	16	23	25	28	41	49	26	37	40	27	17	10	23	39	43	27	27	32
11	16	33	25	27	32	22	14	17	25	33	42	41	54	51	49	44	48	43	38	27	30	39	24	26	33
12	28	19	21	24	33	30	28	28	33	52	59	71	88	94	92	94	78	67	61	70	57	41	23	32	51
13	42	52	46	45	56	58	57	79	78	82	84	100	103	95	116	119	119	110	107	93	49	48	55	68	78
14	62	65	49	24	15	15	13	20	36	71	83	85	98	109	98	98	94	86	81	62	48	48	41	31	60
15	43	17	37	37	29	29	15	22	34	44	42	53	55	39	55	81	46	30	33	25	16	23	28	20	36
16	24	16	22	36	33	30	31	33	27	26	21	27	30	35	29	26	37	54	52	38	46	55	49	46	34
17	39	36	45	40	38	15	25	27	24	29	24	35	28	31	21	25	24	19	18	41	46	42	43	32	31
18	24	28	22	37	42	22	17	33	22	28	27	37	46	55	62	56	68	65	49	30	38	47	40	49	39
19	35	26	30	16	18	22	17	27	45	46	50	68	86	84	76	64	70	71	64	50	30	33	45	26	46
20	10	16	22	25	32	29	19	46	43	49	47	53	56	53	52	48	54	50	46	36	23	27	25	30	37
21	20	26	27	37	36	27	17	19	43	41	36	43	52	45	48	46	47	58	48	30	25	20	27	35	36
22	29	26	35	32	38	31	23	21	29	32	38	44	71	79	81	70	76	66	69	49	29	25	43	34	45
23	23	26	37	25	22	17	15	25	30	33	40	52	52	51	57	48	54	63	49	35	35	44	44	40	38
24	38	17	31	30	30	27	26	34	28	25	21	33	37	39	41	44	34	45	40	45	49	23	42	47	34
25	30	39	36	37	25	23	12	26	19	25	34	38	31	39	36	34	42	23	26	42	48	53	49	53	34
26	60	43	37	35	22	14	10	42	64	52	45	35	28	51	51	40	35	39	21	45	59	56	51	62	42
27	79	50	22	27	22	24	21	39	30	27	26	41	53	67	62	68	63	52	43	33	34	28	20	15	39
28	19	22	18	34	37	37	23	34	48	54	60	91	84	99	80	86	76	71	69	50	44	28	14	13	49
29	24	40	29	25	38	38	33	31	35	38	58	68	58	69	64	59	62	55	43	38	26	39	28	28	43
30	32	38	40	37	42	41	20	23	50	68	66	73	77	88	83	93	98	108	101	89	88	91	74	0	63
AVERAGE	32	31	31	33	32	27	21	29	35	39	42	51	56	58	57	60	57	54	47	43	38	39	36	34	41

* Indicates calibration of sensors

** Indicates invalid data

ENECOTECH INC.
SAROAD(V1.0) 08/14/97

HOURLY AVERAGED WIND DIRECTION
DATA RECORDED IN JUNE 1997
BLANDING - UTAH
UNITS ARE DEGREES AZIMUTH

HOUR OF THE DAY

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVG
1	360	357	19	31	46	27	41	118	167	195	216	224	218	197	213	219	219	251	268	300	324	349	13	338	
2	272	355	50	49	42	25	38	131	170	190	209	219	197	199	202	208	233	250	248	270	343	2	352	11	
3	335	21	16	41	17	359	31	77	115	137	162	193	171	191	211	217	223	251	286	312	350	24	12	4	
4	356	356	37	26	22	23	49	150	147	168	190	175	185	216	207	209	203	200	187	187	0	14	32	36	
5	29	15	14	24	22	24	23	104	157	185	193	185	180	195	198	195	202	212	199	214	219	226	208	28	
6	28	26	25	15	27	231	270	285	312	228	224	226	222	233	239	246	273	334	359	199	148	6	256	10	
7	95	44	18	26	11	12	36	104	164	159	7	191	188	65	41	176	148	140	87	48	154	122	127	106	
8	77	347	358	352	12	19	24	95	163	167	173	196	176	126	130	129	127	142	134	105	99	87	50	21	
9	8	14	26	19	46	73	121	132	138	107	70	133	168	122	79	101	97	46	48	330	18	15	10	19	
10	20	3	292	329	18	360	39	88	142	138	200	267	309	274	280	286	275	167	167	30	2	351	1	38	
11	320	9	358	20	15	23	60	119	192	231	226	233	236	218	197	234	247	240	271	292	359	4	1	6	
12	263	353	42	50	28	12	57	111	139	178	180	196	218	222	219	226	227	232	217	182	194	223	339	64	
13	111	118	87	126	141	138	136	141	145	145	158	167	173	165	184	184	186	178	184	180	197	208	209	211	
14	221	216	208	179	140	140	162	163	202	208	201	183	194	192	189	217	196	194	170	180	215	210	236	265	
15	251	28	13	21	25	25	83	141	168	183	202	202	213	196	178	163	178	209	200	188	201	272	16	56	
16	351	59	30	15	22	30	74	126	148	123	88	177	280	280	326	55	15	327	340	349	356	341	341	353	
17	354	358	313	337	323	360	329	155	166	147	175	144	84	263	265	312	22	37	25	2	4	4	3	357	
18	349	2	57	24	5	28	61	130	157	165	155	192	198	214	215	262	251	256	262	335	31	15	26	12	
19	3	6	16	3	9	18	78	148	175	186	214	237	246	247	246	248	253	262	252	257	280	343	343	293	
20	293	312	43	43	27	19	151	214	215	196	206	210	202	193	215	219	215	218	225	266	308	325	21	15	
21	13	40	36	30	23	16	41	162	164	167	180	201	189	170	195	191	179	178	179	169	185	259	22	18	
22	26	34	24	27	29	29	36	140	156	175	173	172	204	196	197	200	198	198	194	190	206	321	16	21	
23	7	25	19	40	94	54	47	193	152	193	226	188	203	183	200	205	222	237	247	276	326	336	345	359	
24	358	64	27	26	31	26	35	59	65	76	49	170	202	190	293	209	276	263	274	291	339	10	4	346	
25	338	357	345	319	339	351	105	158	133	134	187	231	169	211	251	218	235	242	316	20	5	5	11	16	
26	23	58	17	4	353	31	31	148	136	153	148	179	249	234	212	227	241	149	71	42	41	31	49	130	
27	131	110	64	35	50	50	86	137	136	131	153	200	186	199	205	212	210	191	169	231	206	262	357	228	
28	272	282	77	25	22	20	35	178	187	192	217	217	229	227	232	226	221	237	226	213	218	228	214	141	
29	280	288	184	66	25	20	23	114	164	186	206	213	207	194	191	195	226	209	237	237	246	14	5	22	
30	34	17	17	27	19	19	41	188	185	193	181	184	191	203	208	210	198	211	221	221	224	216	208	0	

* Indicates calibration of sensors

** Indicates invalid data

ENECOTECH INC.
SARDAD(V1.0) 08/14/97

HOURLY HORIZONTAL WIND DIRECTION STANDARD DEVIATION
DATA RECORDED IN JUNE 1997
BLANDING - UTAH
UNITS ARE TENTHS OF A DEGREE

HOURLY OF THE DAY

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVG
1	268	297	101	55	87	126	226	396	179	175	329	226	284	170	236	216	157	190	119	87	94	105	184	54	183
2	721	408	155	109	141	122	163	289	579	281	466	281	293	234	271	230	331	256	115	97	365	175	405	204	279
3	191	189	137	110	186	347	199	126	187	219	277	408	312	373	299	137	138	366	115	135	195	118	49	155	207
4	156	329	154	59	38	55	366	188	123	205	258	287	266	238	174	192	135	114	160	153	289	89	53	44	172
5	84	46	55	87	52	102	96	367	216	213	183	233	240	165	161	187	155	105	80	77	66	42	169	527	155
6	96	46	46	56	105	592	157	247	429	194	131	111	126	183	115	121	159	236	410	745	318	279	231	216	223
7	451	188	86	100	86	126	246	269	180	163	644	194	238	282	385	178	228	177	196	83	413	264	138	100	226
8	348	170	156	181	171	109	159	465	538	304	319	347	381	387	391	177	174	165	140	175	158	370	237	143	256
9	126	86	247	172	158	223	370	308	252	280	492	440	317	726	633	363	438	186	610	513	64	83	135	45	303
10	69	352	533	349	115	249	248	310	277	382	360	325	243	367	258	281	340	320	588	120	202	179	272	94	285
11	497	130	220	126	54	138	272	306	263	262	284	436	242	248	302	414	312	236	164	144	221	127	180	217	241
12	601	272	83	88	106	95	108	207	222	208	187	239	178	165	190	136	166	124	124	214	118	379	465	238	205
13	155	108	186	112	104	105	116	118	142	150	184	195	156	149	187	144	116	113	91	98	87	92	89	77	128
14	61	16	157	203	417	587	261	173	210	145	159	158	148	159	188	141	155	250	149	206	59	71	249	79	186
15	38	463	54	103	113	71	458	270	201	223	285	221	297	387	340	159	195	161	71	107	409	262	70	395	223
16	262	286	180	73	133	87	346	170	313	301	508	601	562	513	520	262	359	239	154	85	121	87	49	166	266
17	209	249	206	149	210	322	591	160	309	338	378	450	485	512	669	501	297	101	80	233	309	177	156	229	305
18	147	387	322	98	62	187	311	167	272	272	295	321	300	223	218	248	159	156	117	432	86	72	239	49	214
19	174	173	77	237	173	62	296	253	136	171	192	215	206	193	234	204	219	156	99	80	116	131	36	598	185
20	634	475	185	135	199	89	647	123	136	202	174	220	240	261	341	283	242	197	109	204	172	174	258	154	244
21	142	95	95	79	77	100	153	385	170	175	260	261	289	286	285	294	251	168	153	103	287	726	245	59	214
22	91	106	70	90	51	107	135	322	227	277	281	344	169	179	178	222	185	142	95	67	404	617	131	208	196
23	180	178	73	190	565	222	332	350	258	279	242	332	346	422	232	333	288	169	184	188	88	79	37	119	237
24	163	540	58	117	151	97	175	120	254	362	588	486	366	550	583	352	475	302	155	271	82	233	148	85	280
25	183	123	186	195	170	185	612	181	342	445	347	420	413	435	483	480	518	415	642	60	115	78	84	56	299
26	47	352	84	131	160	306	652	197	135	236	227	407	484	245	223	434	389	478	268	103	96	87	352	127	259
27	98	159	253	124	195	126	284	160	201	415	376	382	275	266	211	228	236	185	146	125	106	250	219	475	229
28	111	114	324	74	58	119	205	252	149	177	231	151	175	179	136	150	162	191	97	84	104	149	773	414	191
29	334	244	426	322	94	40	78	305	215	208	223	239	241	230	215	231	178	204	199	79	389	79	205	215	216
30	102	107	55	132	48	80	129	332	188	132	207	184	214	190	185	143	138	139	86	82	74	84	81	0	130
AVERAGE	225	225	165	137	143	173	280	251	243	246	303	304	283	297	295	248	243	208	191	172	187	189	198	184	224

* Indicates calibration of sensors
 ** Indicates invalid data

ENECOTECH INC.
 SARGAD(V1.0) 08/14/97

APPENDIX B

**JOINT FREQUENCY DISTRIBUTIONS OF WIND DIRECTION
BY WIND SPEED FOR HOURS OF THE DAY**



Recycled Paper

LIST OF TABLES

<u>Table</u>	<u>Description</u>
B-1	Frequency of Winds by Direction and Speed for 0000-0400 MST
B-2	Frequency of Winds by Direction and Speed for 0400-0800 MST
B-3	Frequency of Winds by Direction and Speed for 0800-1200 MST
B-4	Frequency of Winds by Direction and Speed for 1200-1600 MST
B-5	Frequency of Winds by Direction and Speed for 1600-2000 MST
B-6	Frequency of Winds by Direction and Speed for 2000-2400 MST
B-7	Frequency of Winds by Direction and Speed for All Times



TABLE B-1
 FREQUENCY OF WINDS BY DIRECTION AND SPEED
 FOR
 JANUARY THROUGH JUNE 1997
 INTERNATIONAL URANIUM CORPORATION
 WHITE MESA MILL
 TIME (MST): 0000-0400

Direction	Speed Class Interval (m/s)						Mean Speed
	1<1.5	1.5< 3	3< 5	5< 8	8<11	>11	
N	.41	11.05	9.81	.97	.00	.00	22.24
NNE	.28	13.26	14.64	.28	.00	.00	28.45
NE	.55	7.60	1.80	.14	.00	.00	10.08
ENE	.69	2.35	.28	.00	.00	.00	3.31
E	.14	.55	.14	.00	.00	.00	.83
ESE	.00	.55	.14	.28	.00	.00	.97
S	.14	.41	.97	.55	.83	.00	2.90
SSE	.00	.55	.41	.14	.00	.00	1.10
S	.41	2.21	.14	.00	.00	.00	2.76
SSW	.28	.55	.55	.00	.00	.00	1.38
SW	.00	.55	.14	.69	.00	.00	1.38
WSW	.14	.28	.41	.00	.00	.00	.83
W	.00	.97	.28	.00	.00	.00	1.24
WNW	.00	1.66	.83	.14	.14	.00	2.76
NW	.28	1.93	2.35	2.07	.28	.00	6.91
NNW	.00	3.18	4.28	1.66	.41	.00	9.53
All	3.31	47.65	37.15	6.91	1.66	.00	96.69

Calm (less than 1.0 m/s) = 3.3
 Period mean wind speed = 3.1 m/s

EnecoTech Inc.
 WIND 8/14/97

TABLE B-2
 FREQUENCY OF WINDS BY DIRECTION AND SPEED
 FOR
 JANUARY THROUGH JUNE 1997
 INTERNATIONAL URANIUM CORPORATION
 WHITE MESA MILL
 TIME (MST): 0400-0800

Direction	Speed Class Interval (m/s)						All	Mean Speed
	1<1.5	1.5< 3	3< 5	5< 8	8<11	>11		
N	1.24	6.77	5.39	.41	.28	.00	14.09	2.9
NNE	1.10	16.30	12.71	.14	.00	.00	30.25	2.8
NE	1.93	7.87	1.80	.41	.00	.00	12.02	2.4
ENE	.69	2.21	.41	.14	.00	.00	3.45	2.3
E	.55	2.07	.14	.00	.00	.00	2.76	1.8
ESE	.83	2.07	.28	.00	.00	.00	3.18	1.9
SE	.41	2.62	.55	.69	.55	.00	4.83	3.5
SSE	.28	2.21	1.24	.00	.00	.00	3.73	2.7
S	.55	1.93	.55	.14	.00	.00	3.18	2.3
SSW	.00	.97	.28	.00	.00	.00	1.24	2.7
SW	.00	.55	.28	.14	.00	.00	.97	3.0
WSW	.28	.28	.00	.00	.00	.00	.55	1.7
W	.28	.97	.14	.00	.00	.00	1.38	2.1
WNW	.28	1.52	.14	.14	.00	.00	2.07	2.5
NW	.00	1.10	2.07	2.21	.14	.00	5.52	4.6
NNW	.55	2.35	1.66	1.52	.41	.28	6.77	4.1
All	8.98	51.80	27.62	5.94	1.38	.28	95.99	2.9

Calm (less than 1.0 m/s) = 4.0
 Period mean wind speed = 2.8 m/s

EnecoTech Inc.
 WIND 8/14/97

TABLE B-4
 FREQUENCY OF WINDS BY DIRECTION AND SPEED
 FOR
 JANUARY THROUGH JUNE 1997
 INTERNATIONAL URANIUM CORPORATION
 WHITE MESA MILL
 TIME (MST): 1200-1600

Direction	Speed Class Interval (m/s)						All	Mean Speed
	1<1.5	1.5< 3	3< 5	5< 8	8<11	>11		
N	.28	1.52	.55	.28	.00	.00	2.62	2.9
NNE	.14	.83	.41	.55	.69	.00	2.62	5.1
NE	.28	.83	.83	1.80	.83	.00	4.56	5.3
ENE	.28	.83	.55	.14	.00	.00	1.80	2.9
E	.14	.55	.14	.00	.00	.00	.83	2.3
ESE	.14	1.38	.14	.14	.00	.00	1.80	2.2
SE	.14	1.38	1.24	1.24	.14	.00	4.14	4.1
SSE	.14	1.80	.28	.97	.41	.00	3.59	4.1
S	.41	2.76	5.25	1.80	.69	.28	11.19	4.2
SSW	.69	5.94	8.84	5.94	1.24	.00	22.65	4.2
SW	.28	4.01	4.56	3.59	1.93	.14	14.50	4.7
WSW	.14	1.38	1.80	3.31	.97	.14	7.73	5.4
W	.14	1.24	.83	1.52	.55	.00	4.28	5.0
WNW	.28	.83	1.10	1.10	.14	.14	3.59	4.6
NW	.00	.55	1.80	2.07	.41	.28	5.11	5.6
NNW	.97	.97	1.10	2.21	.14	1.24	6.63	5.8
All	4.42	26.80	29.42	26.66	8.15	2.21	97.65	4.6

Calm (less than 1.0 m/s) = 2.3
 Period mean wind speed = 4.5 m/s

EnecoTech Inc.
 WIND 8/14/97

TABLE B-5
 FREQUENCY OF WINDS BY DIRECTION AND SPEED
 FOR
 JANUARY THROUGH JUNE 1997
 INTERNATIONAL URANIUM CORPORATION
 WHITE MESA MILL
 TIME (MST): 1600-2000

Direction	Speed Class Interval (m/s)						All	Mean Speed
	1<1.5	1.5< 3	3< 5	5< 8	8<11	>11		
N	.55	2.90	6.63	1.38	.14	.14	11.74	3.8
NNE	.28	3.45	3.04	.41	.28	.00	7.46	3.2
NE	.41	3.18	1.52	.55	.69	.00	6.35	3.6
ENE	.41	.97	.41	.41	.00	.00	2.21	2.9
E	.28	.83	.28	.14	.00	.00	1.52	2.6
ESE	.00	1.38	.55	.14	.00	.00	2.07	2.9
SE	.14	1.52	.69	.28	.28	.00	2.90	3.6
SSE	.28	.97	.97	.69	.00	.00	2.90	3.6
S	.69	3.59	2.49	.97	.41	.28	8.43	3.7
SSW	.28	2.62	1.93	1.80	.83	.00	7.46	4.3
SW	.00	2.07	2.21	2.76	.28	.00	7.32	4.5
WSW	.14	2.07	3.04	3.04	.55	.00	8.84	4.6
W	.00	1.10	2.35	1.24	.97	.00	5.66	4.9
WNW	.14	1.93	.97	.55	.28	.00	3.87	3.6
NW	.00	1.24	1.66	2.35	1.24	.00	6.49	5.4
NNW	.14	1.66	3.07	3.45	1.66	.41	11.19	5.4
All	3.73	31.49	32.60	20.17	7.60	.83	96.41	4.2

Calm (less than 1.0 m/s) = 3.6
 Period mean wind speed = 4.1 m/s

EnecoTech Inc.
 WIND 8/14/97

TABLE B-6
 FREQUENCY OF WINDS BY DIRECTION AND SPEED
 FOR
 JANUARY THROUGH JUNE 1997
 INTERNATIONAL URANIUM CORPORATION
 WHITE MESA MILL
 TIME (MST): 2000-2400

Direction	Speed Class Interval (m/s)						All	Mean Speed
	1<1.5	1.5< 3	3< 5	5< 8	8<11	>11		
N	.41	8.16	18.95	2.21	.14	.14	30.01	3.6
NNE	.55	7.88	9.54	.97	.14	.00	19.09	3.2
NE	.28	3.60	.83	.41	.00	.00	5.12	2.6
ENE	.41	1.38	.14	.00	.00	.00	1.94	1.8
E	.14	.69	.00	.00	.00	.00	.83	1.6
ESE	.00	.28	.41	.28	.00	.00	.97	3.9
SE	.55	.83	.41	1.24	.14	.28	3.46	4.9
SSE	.00	.55	.41	.14	.14	.00	1.24	3.6
S	.55	1.66	.55	.00	.00	.00	2.77	2.2
SSW	.14	.41	1.11	.55	.00	.00	2.21	4.1
SW	.28	1.52	1.24	.14	.28	.00	3.46	3.6
WSW	.00	.69	.28	.00	.00	.00	.97	2.7
W	.14	1.24	.55	.41	.00	.00	2.35	3.0
WNW	.00	.83	.28	.69	.00	.00	1.80	3.9
NW	.41	2.07	2.77	1.24	.14	.14	6.78	3.8
NNW	.00	2.77	8.30	3.04	.83	.28	15.21	4.6
All	3.87	34.58	45.78	11.34	1.80	.83	98.20	3.6

Calm (less than 1.0 m/s) = 1.8
 Period mean wind speed = 3.6 m/s

EnecoTech Inc.
 WIND 8/14/97

TABLE B-7
 FREQUENCY OF WINDS BY DIRECTION AND SPEED
 FOR
 JANUARY THROUGH JUNE 1997
 INTERNATIONAL URANIUM CORPORATION
 WHITE MESA MILL
 TIME (MST): 0000-2400

Direction	Speed Class Interval (m/s)						All	Mean Speed
	1<1.5	1.5< 3	3< 5	5< 8	8<11	>11		
N	.62	5.23	7.00	.94	.16	.07	14.02	3.4
NNE	.55	7.46	6.91	.53	.32	.00	15.77	3.1
NE	.69	4.35	1.20	.58	.39	.00	7.21	3.0
ENE	.48	1.57	.32	.21	.00	.00	2.58	2.4
E	.21	.97	.14	.02	.00	.00	1.34	2.2
ESE	.25	1.27	.32	.16	.02	.00	2.03	2.6
SE	.30	2.21	.90	.90	.37	.07	4.74	3.8
SSE	.21	2.03	1.40	.46	.14	.00	4.24	3.3
S	.53	3.13	2.83	.74	.25	.09	7.57	3.5
SSW	.37	2.39	3.02	1.82	.37	.02	7.99	4.0
SW	.12	1.77	1.80	1.36	.46	.02	5.52	4.3
WSW	.14	.92	1.04	1.13	.25	.02	3.50	4.5
W	.09	1.08	.78	.55	.25	.00	2.76	4.1
WNW	.14	1.20	.71	.51	.12	.02	2.69	3.7
NW	.18	1.20	2.09	1.98	.46	.14	6.05	4.8
NNW	.37	1.98	3.34	2.16	.62	.39	8.86	4.7
All	5.25	38.74	33.79	14.04	4.19	.85	96.87	3.7

Calm (less than 1.0 m/s) = 3.2
 Period mean wind speed = 3.6 m/s

EnecoTech Inc.
 WIND 8/14/97

APPENDIX C

**JOINT FREQUENCY DISTRIBUTION OF WIND DIRECTION BY
WIND SPEED FOR EACH STABILITY CLASSES**



Recycled Paper

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C-6	Frequency of Winds by Direction and Speed for Stability Class F
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TABLE C-1
 FREQUENCY OF WINDS BY DIRECTION AND SPEED
 FOR STABILITY CLASS A
 First Half 1997
 INTERNATIONAL URANIUM CORPORATION
 WHITE MESA MILL

Direction	Speed Class Interval (m/s)						Mean Speed
	1,<1.5	1.5,<3	3,<5	5,<8	8,<11	>11	
N	.32	1.26	.00	.00	.00	.00	1.58
NNE	.63	1.26	.00	.00	.00	.00	1.89
NE	.32	2.21	.00	.00	.00	.00	2.52
ENE	1.26	1.58	.00	.00	.00	.00	2.84
E	.63	2.52	.00	.00	.00	.00	3.15
ESE	.63	4.10	.00	.00	.00	.00	4.73
SE	.63	6.94	.00	.00	.00	.00	7.57
SSE	.95	11.36	.63	.00	.00	.00	12.93
S	.95	12.30	1.26	.00	.00	.00	14.51
SSW	1.26	12.93	.95	.00	.00	.00	15.14
SW	.63	11.36	.95	.00	.00	.00	12.93
WSW	.32	4.42	.32	.00	.00	.00	5.05
W	.32	1.58	.32	.00	.00	.00	2.21
WNW	.32	1.58	.00	.00	.00	.00	1.89
NW	.63	1.58	.00	.00	.00	.00	2.21
NNW	2.84	1.58	.00	.00	.00	.00	4.42
All	12.62	78.55	4.42	.00	.00	.00	95.58

Calm (less than 1.0 m/s) = 4.4%

Period mean wind speed = 2.1 m/s

Percent occurrence for A stability class 7.3%

EnecoTech Inc.
 SBWIND(3.0) 8/14/ 0

TABLE C-2
 FREQUENCY OF WINDS BY DIRECTION AND SPEED
 FOR STABILITY CLASS B
 First Half 1997
 INTERNATIONAL URANIUM CORPORATION
 WHITE MESA MILL

Direction	Speed Class Interval (m/s)							Mean Speed
	1, <1.5	1.5, <3	3, <5	5, <8	8, <11	>11	All	
N	.84	2.51	1.25	.21	.00	.00	4.80	2.5
NNE	.00	1.80	.84	.00	.00	.00	2.71	2.7
NE	.42	2.51	.84	.00	.00	.00	3.76	2.4
ENE	.21	1.46	.42	.00	.00	.00	2.09	2.1
E	.21	1.04	.21	.00	.00	.00	1.46	2.1
ESE	.63	1.88	.63	.00	.00	.00	3.13	2.2
SE	.21	6.26	3.13	.00	.00	.00	9.60	2.5
SSE	.00	5.01	4.80	.00	.00	.00	9.81	2.9
S	.42	3.76	10.65	.21	.00	.00	15.03	3.1
SSW	.63	4.59	13.15	.42	.00	.00	18.79	3.1
SW	.21	1.88	5.64	.21	.00	.00	7.93	3.2
WSW	.00	1.25	2.92	.00	.00	.00	4.18	2.9
W	.00	2.51	1.67	.21	.00	.00	4.38	2.9
WNW	.63	1.46	1.88	.00	.00	.00	3.97	2.7
NW	.21	.00	1.88	.00	.00	.00	2.09	3.3
NNW	.42	1.46	1.67	.63	.00	.00	4.18	3.2
All	5.01	39.46	51.57	1.88	.00	.00	97.91	2.9

Calm (less than 1.0 m/s) = 2.1%

Period mean wind speed = 2.8 m/s

Percent occurrence for B stability class 11.0%

EnecoTech Inc.
 SBWIND(3.0) 8/14/ 0

TABLE C-3
 FREQUENCY OF WINDS BY DIRECTION AND SPEED
 FOR STABILITY CLASS C
 First Half 1997
 INTERNATIONAL URANIUM CORPORATION
 WHITE MESA MILL

Direction	Speed Class Interval (m/s)						All	Mean Speed
	1, <1.5	1.5, <3	3, <5	5, <8	8, <11	>11		
N	.81	2.10	.97	.49	.00	.00	4.37	2.8
NNE	.81	3.88	.97	1.29	.16	.00	7.12	3.1
NE	.97	3.72	.97	1.62	.00	.00	7.28	3.1
ENE	.16	2.27	1.13	.16	.00	.00	3.72	2.7
E	.16	.97	.49	.00	.00	.00	1.62	2.6
ESE	.49	2.59	.81	.32	.00	.00	4.21	2.5
SE	.16	2.75	1.78	1.29	.00	.00	5.99	3.3
SSE	.00	1.29	3.24	1.46	.00	.00	5.99	4.1
S	.16	2.43	6.47	1.94	.00	.00	11.00	3.9
SSW	.81	3.24	6.47	5.50	.00	.00	16.02	4.1
SW	.00	1.62	3.72	3.72	.00	.00	9.06	4.4
WSW	.49	.32	1.46	1.78	.00	.00	4.05	4.4
W	.00	.81	.97	1.13	.00	.00	2.91	4.2
WNW	.16	.65	1.13	.81	.00	.00	2.75	3.9
NW	.00	.65	3.40	1.46	.16	.00	5.66	4.5
NNW	.00	.49	1.62	2.91	.16	.00	5.18	5.0
All	5.18	29.77	35.60	25.89	.49	.00	96.93	3.8

Calm (less than 1.0 m/s) = 3.1%

Period mean wind speed = 3.7 m/s

Percent occurrence for C stability class 14.2%

EnecoTech Inc.
 SBWIND(3.0) 8/14/ 0

TABLE C-4
 FREQUENCY OF WINDS BY DIRECTION AND SPEED
 FOR STABILITY CLASS D
 First Half 1997
 INTERNATIONAL URANIUM CORPORATION
 WHITE MESA MILL

	Speed Class Interval (m/s)							
Direction	1, <1.5	1.5, <3	3, <5	5, <8	8, <11	>11	All	Mean Speed
N	.24	2.72	11.47	2.19	.41	.18	17.20	4.1
NNE	.30	6.91	9.10	.83	.77	.00	17.91	3.5
NE	.35	3.37	1.95	.83	1.00	.00	7.51	4.0
ENE	.24	.59	.18	.47	.00	.00	1.48	3.6
E	.00	.24	.06	.06	.00	.00	.35	3.3
ESE	.12	.24	.30	.30	.06	.00	1.00	4.0
SE	.18	.65	.71	1.83	.95	.18	4.49	6.0
SSE	.24	.47	.83	.65	.35	.00	2.54	4.6
S	.12	1.12	1.36	1.12	.65	.24	4.61	5.3
SSW	.06	.71	1.36	2.54	.95	.06	5.67	5.7
SW	.00	.41	1.12	2.01	1.18	.06	4.79	6.3
WSW	.00	.35	1.00	2.25	.65	.06	4.31	5.1
W	.06	.06	.95	.95	.65	.00	2.66	6.0
WNW	.00	.53	.59	1.00	.30	.06	2.48	5.4
NW	.00	.35	2.78	4.49	1.12	.35	9.10	6.0
NNw	.06	.59	5.56	4.26	1.54	1.00	13.00	5.9
All	1.95	19.33	39.30	25.77	10.58	2.19	99.11	4.9

Calm (less than 1.0 m/s) = .9%

Period mean wind speed = 4.9 m/s

Percent occurrence for D stability class 39.0%

EnecoTech Inc.
 SBWIND(3.0) 8/14/ 0

TABLE C-5
 FREQUENCY OF WINDS BY DIRECTION AND SPEED
 FOR STABILITY CLASS E
 First Half 1997
 INTERNATIONAL URANIUM CORPORATION
 WHITE MESA MILL

Direction	Speed Class Interval (m/s)						All	Mean Speed
	1, <1.5	1.5, <3	3, <5	5, <8	8, <11	>11		
N	.72	12.20	11.84	.00	.00	.00	24.76	3.0
NNE	.60	15.34	16.30	.12	.00	.00	32.37	3.0
NE	.72	6.76	1.09	.12	.00	.00	8.70	2.3
ENE	.12	2.29	.24	.00	.00	.00	2.66	2.0
E	.12	1.09	.12	.00	.00	.00	1.33	2.0
ESE	.12	.48	.12	.00	.00	.00	.72	2.2
SE	.24	.85	.12	.00	.00	.00	1.21	1.9
SSE	.24	1.45	.24	.00	.00	.00	1.93	2.2
S	.36	1.21	.60	.00	.00	.00	2.17	2.5
SSW	.12	.72	.24	.00	.00	.00	1.09	2.4
SW	.24	.97	.72	.12	.00	.00	2.05	3.0
WSW	.12	.85	.48	.00	.00	.00	1.45	2.7
W	.00	1.45	.36	.00	.00	.00	1.81	2.4
WNW	.12	1.33	.60	.00	.00	.00	2.05	2.6
NW	.12	2.29	1.69	.12	.00	.00	4.23	2.8
NNW	.36	4.11	3.99	.12	.00	.00	8.57	3.0
All	4.35	53.38	38.77	.60	.00	.00	97.10	2.8

Calm (less than 1.0 m/s) = 2.9%

Period mean wind speed = 2.8 m/s

Percent occurrence for E stability class 19.1%

EnecoTech Inc.
 SBWIND(3.0) 8/14/ 0

TABLE C-6
 FREQUENCY OF WINDS BY DIRECTION AND SPEED
 FOR STABILITY CLASS F
 First Half 1997
 INTERNATIONAL URANIUM CORPORATION
 WHITE MESA MILL

Direction	Speed Class Interval (m/s)						Mean Speed
	1,<1.5	1.5,<3	3,<5	5,<8	8,<11	>11	
N	1.71	12.47	.00	.00	.00	.00	2.0
NNE	1.71	10.51	.24	.00	.00	.00	2.0
NE	2.20	8.31	.00	.00	.00	.00	1.9
ENE	2.44	3.18	.00	.00	.00	.00	1.7
E	.98	2.44	.00	.00	.00	.00	1.7
ESE	.00	2.20	.00	.00	.00	.00	2.1
SE	.98	2.20	.00	.00	.00	.00	1.6
SSE	.00	.00	.00	.00	.00	.00	.0
S	2.93	8.56	.00	.00	.00	.00	1.8
SSW	.49	.73	.00	.00	.00	.00	2.0
SW	.00	1.71	.00	.00	.00	.00	2.1
WSW	.24	1.22	.00	.00	.00	.00	2.0
W	.49	2.93	.00	.00	.00	.00	1.9
WNW	.00	3.91	.00	.00	.00	.00	2.1
NW	.98	4.40	.00	.00	.00	.00	1.9
NNW	.24	6.60	.00	.00	.00	.00	2.1
All	15.40	71.39	.24	.00	.00	.00	1.9

Calm (less than 1.0 m/s) = 13.0%

Period mean wind speed = 1.8 m/s

Percent occurrence for F stability class 9.4%

EnecoTech Inc.
 SBWIND(3.0) 8/14/ 0

TABLE C-7
 FREQUENCY OF WINDS BY DIRECTION AND SPEED
 FOR STABILITY CLASS All
 First Half 1997
 INTERNATIONAL URANIUM CORPORATION
 WHITE MESA MILL

Direction	Speed Class Interval (m/s)						All	Mean Speed
	1, <1.5	1.5, <3	3, <5	5, <8	8, <11	>11		
N	.62	5.23	7.00	.94	.16	.07	14.02	3.4
NNE	.55	7.46	6.91	.53	.32	.00	15.77	3.1
NE	.69	4.35	1.20	.58	.39	.00	7.21	3.0
ENE	.48	1.57	.32	.21	.00	.00	2.58	2.4
E	.21	.97	.14	.02	.00	.00	1.34	2.2
ESE	.25	1.27	.32	.16	.02	.00	2.03	2.6
SE	.30	2.21	.90	.90	.37	.07	4.74	3.8
SSE	.21	2.03	1.40	.46	.14	.00	4.24	3.3
S	.53	3.13	2.83	.74	.25	.09	7.57	3.5
SSW	.37	2.39	3.02	1.82	.37	.02	7.99	4.0
SW	.12	1.77	1.80	1.36	.46	.02	5.52	4.3
WSW	.14	.92	1.04	1.13	.25	.02	3.50	4.5
W	.09	1.08	.78	.55	.25	.00	2.76	4.1
WNW	.14	1.20	.71	.51	.12	.02	2.69	3.7
NW	.18	1.20	2.09	1.98	.46	.14	6.05	4.8
NNW	.37	1.98	3.34	2.16	.62	.39	8.86	4.7
All	5.25	38.74	33.79	14.04	4.19	.85	96.87	3.7

Calm (less than 1.0 m/s) = 3.2%

Period mean wind speed = 3.6 m/s

Percent occurrence for All stability classes 100.0%

EnecoTech Inc.
 SBWIND(3.0) 8/14/ 0