

04008786271E

URANIUM RESOURCES INC.

40-8786

RETURN ORIGINAL TO PDR, HQ

MARK S. PELIZZA
Environmental Manager

July 31, 1985

Mr. Phil Puecel
Water Quality Division
Wyoming Department of Environmental Quality
Herschler Building - Third Floor
122 West 25th
Cheyenne, Wyoming 82002

Mr. Roy Spears
Land Quality Division
Wyoming Department of Environmental Quality
Herschler Building - Third Floor
122 West 25th
Cheyenne, Wyoming 82002

Ms. Sandra Wastler
U.S. Nuclear Regulatory Commission
Box 25325
Denver, Colorado 80225

Dear Ms. Wastler and Messrs.:

Attached are daily and weekly analytical results for the wells sampled at the North Platte Project. By observing the data which is collected twice daily, a slight increase in parameters is apparent during the first few days with a consistent flattening of values thereafter. In addition, by observing the weekly analysis, many of the parameters which are being measured are either below or, at baseline concentrations or even below detection limits.

By this letter, URI requests that the two times daily analysis be immediately reduced to one time per day. The present schedule is not necessary since the water quality has consistently remained at the baseline concentration for nearly one month. In addition, well I-4 has been pumped for 1.3 pore volumes (which is the equivalent of 5 pore volumes for the wellfield) without any significant increase in uranium values. Because of the two times a day schedule, the volume of samples exceeds our field lab's capacity which causes several days backup between sample collection and analysis. This backup actually defeats the original intention of the program which was to have a working knowledge of the water quality on a day by day basis.

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PDR ADOCK 04008786
C PDR

FEE EXEMPT



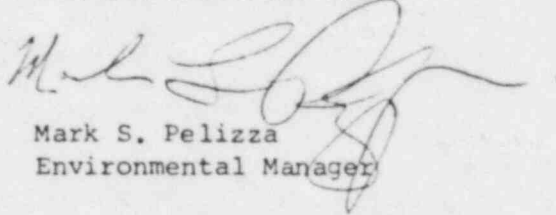
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Our second request is that analysis of weekly parameters be limited to those items which were affected due to the leaching activity. Many parameters are now being tested because they only showed up as anomalies in one or two of the many analyses which were performed during operations and restoration. Since these samples have confirmed their low levels at or below baseline, we feel it is justified to drop them from the analytical list. The parameters we are requesting dropped are Fluoride, Iron, Mercury, Molybdenum, Selenium, Silica, and Vanadium.

Please feel free to contact me with further information pertaining to these requests.

Sincerely,

URANIUM RESOURCES INC.

A handwritten signature in dark ink, appearing to read 'Mark S. Pelizza', is written over the typed name and title.

Mark S. Pelizza
Environmental Manager

MSP:es

Attachments

NORTH PLATTE GROUNDWATER SWEEP PROGRAM
WATER WELL DATA SUMMARY
WELL #I-1

<u>Date</u>	<u>Time</u>	<u>pH</u>	<u>Ec.</u>	<u>Alk.</u>	<u>Ca</u>	<u>Cl</u>	<u>U</u>	<u>Meter</u>	<u>Cum.P.V.</u>
6-26-85	1:30P	6.57	305	88.03	17.60	5.27	5.700		
6-26-85	7:00P	6.32	350	95.90	20.00	11.60	5.530		
6-27-85	2:00A	6.37	350	119.67	24.00	10.20	5.020		
6-27-85	7:30A	6.69	360	120.00	20.80	6.33	5.290		
6-27-85	8:30P	6.67	380	104.00	24.00	5.27	5.050		
6-28-85	9:30A	6.89	390	116.00	21.60	4.92	4.760	5457520	-0-
6-28-85	8:00P	6.72	400	116.00	19.70	4.92	4.580		
6-29-85	10:30A	6.88	395	112.00	20.80	4.57	4.760		
6-29-85	7:30P	7.19	410	119.67	19.20	4.57	5.020		
6-30-85	9:00A	7.05	410	116.00	18.40	5.27	5.110		
6-30-85	7:30P	7.02	410	120.00	20.00	4.92	4.900	5475130	.0500
7-1-85	7:30A	7.02	420	120.00	19.20	5.71	5.050		
7-1-85	7:30P	Down							
7-2-85	11:30A	6.82	430	120.00	20.00	7.03	6.430	5482660	.0700
7-2-85	PM	Down							
7-3-85	AM	Down							
7-3-85	5:00P	7.40	425	124.00	16.80	7.38	5.080		
7-4-85	9:00A	6.94	430	116.00	20.80	7.03	5.020	5489900	.0900
7-4-85	5:30P	6.68	440	112.00	20.00	5.98	4.310	5491520	.0950
7-5-85	11:30A	7.10	425	120.00	17.60	5.27	3.710	5496790	.1100
7-6-85	09:30A	6.91	420	101.64	21.60	5.98	3.710	5501182	.1225
7-6-85	12:30P	7.01	425	98.36	20.00	5.98	4.310	5504882	.1330

NORTH PLATTE GROUNDWATER SWEEP PROGRAM
WATER WELL DATA SUMMARY
WELL # I-1

<u>Date</u>	<u>Time</u>	<u>pH</u>	<u>Ec.</u>	<u>Alk.</u>	<u>Ca</u>	<u>Cl</u>	<u>U</u>	<u>Meter</u>	<u>Cum.P.V.</u>
7-7-85	09:30	6.96	425	101.64	21.6	6.59	2.99	5508494	.1434
7-7-85	12:30	7.00	450	101.64	21.6	7.03	2.84	5511814	.1529
7-8-85	09:30	7.04	450	120.00	32.0	7.47	3.14	5514574	.1608
7-8-85	19:30	6.99	430	120.00	29.6	7.03	4.31	5518046	.1707
7-9-85	09:30	6.81	430	120.00	16.8	7.47	4.63	5521451	.1804
7-9-85	19:40	6.72	430	120.00	16.0	7.47	5.08	5523895	.1874
7-10-85	09:30	6.80	430	120.00	21.6	7.47	5.02	5526878	.1959
7-10-85	21:30	6.89	450	106.64	16.0	7.03	5.08	5529489	.2034
7-11-85	09:30	7.01	430	116.00	16.8	7.03	4.13	5532045	.2107
7-11-85	17:30	6.91	440	120.00	17.6	7.47	2.99	5533773	.2156
7-12-85	09:30	6.84	445	120.00	17.6	7.47	2.84	5536620	.2237
7-12-85	17:30	6.90	450	116.00	21.6	9.49	2.99	5537000	.2248
7-13-85	09:30	6.94	445	120.00	20.0	7.47	2.99	5538765	.2284
7-13-85	18.30	6.91	445	120.00	21.6	10.20	3.14	5543295	.2428
7-14-85	09:00	6.90	450	106.64	21.6	7.03	2.99	5546140	.2509
7-14-85	18:30	7.04	440	106.64	21.6	7.47	2.53	5547632	.2552
7-15-85	09:30	6.67	420	120.00	17.6	8.79	4.03	5550292	.2628
7-15-85	17:30	6.89	420	120.00	17.6	7.47	4.31	5546921	-
7-16-85	08:30	6.94	410	116.00	17.6	9.49	5.05	5554387	.2774
7-16-85	16.30	6.96	410	120.00	16.0	10.20	5.08	5555775	.2814
7-17-85	08:30	6.91	410	116.00	17.6	9.49	5.02	5558280	.2886
7-17-85	17:00	6.85	420	101.64	16.0	9.49	5.23	5559881	.2932

NORTH PLATTE GROUNDWATER SWEEP PROGRAM

WATER WELL DATA SUMMARY

WELL #I-1

<u>Date</u>	<u>Time</u>	<u>pH</u>	<u>Ec.</u>	<u>Alk.</u>	<u>Ca</u>	<u>Cl</u>	<u>U</u>	<u>Meter</u>	<u>Cum.P.V.</u>
7-18-85	02:30	6.69	420	120.00	17.60	11.860	6.13	5562230	.2999
7-18-85	19:00	6.64	420	120.00	17.60	11.860	5.98	5564233	.3056
7-19-85	07:30	6.68	420	116.00	19.20	9.490	6.57	5566115	.3110
7-19-85	16:30	6.67	420	120.00	19.20	11.860	3.43	5567453	.3148
7-20-85	09:30	6.80	410	120.00	17.60	11.860	3.14	5569976	.3220
7-20-85	14:30	6.77	425	124.00	16.00	11.860	6.28	5570737	.3242
7-21-85	12:30	6.90	425	124.00	16.00	13.180	4.15	5573873	.3333
7-21-85	22:00	6.73	425	128.00	16.80	10.980	3.38	5575252	.3372
7-22-85	06:30	7.20	425	128.00	16.80	13.620	4.45**	5576450	.3406
7-22-85	16:30	7.02	440	132.00	16.80	9.670	3.41	5577840	.3446
7-23-85	10:00	7.04	450	120.00	17.10	11.960	3.74	5580532	.3523
7-23-85	12:30	6.96	440	120.00	18.90	14.066	2.78	5581689	.3556
7-24-85	09:30	6.54	425	120.00	16.08	14.060	3.76	5584231	.3629
7-24-85	16:30	7.02	450	136.00	18.00	10.500	3.20	5586370	.3690

* Changed formula $\frac{\text{TX1002}}{\text{mL}}$

** Changed to 5 mil.

NORTH PLATTE GROUNDWATER SWEEP PROGRAM
WATER WELL DATA SUMMARY
WELL #I-2

<u>Date</u>	<u>Time</u>	<u>pH</u>	<u>Ec.</u>	<u>Alk.</u>	<u>Ca</u>	<u>Cl</u>	<u>U</u>	<u>Meter</u>	<u>Cum.P.V.</u>
6-26-85	1:30P	6.30	300	76.39	18.40	10.20	1.980		
6-26-85	7:00P	6.70	300	80.00	20.80	7.30	3.11		
6-27-85	2:00A	6.30	355	76.72	25.60	8.09	2.51		
6-27-85	7:30A	6.50	370	112.00	26.40	8.08	2.18		
6-27-85	8:30P	6.28	385	88.00	25.60	9.14	1.67		
6-28-85	9:30A	6.45	390	88.00	22.40	9.49	1.88	9553202	-0-
6-28-85	8:00P	6.47	410	104.00	20.00	9.14	2.30		
6-29-85	10:30A	6.53	415	108.00	24.80	8.79	2.54		
6-29-85	7:30P	6.63	440	123.98	18.40	8.09	1.59		
6-30-85	9:00A	6.79	440	108.00	20.00	8.44	3.65		
6-30-85	7:30P	6.54	450	108.00	21.60	8.44	2.38		
7-1-85	7:30A	6.56	500	120.00	24.00	8.44	3.83	9565174	.034
7-1-85	EVE.	Down							
7-2-85	11:30A	6.87	450	116.00	20.00	9.14	3.74	9567230	.040
7-2-85	PM	Down							
7-3-85	AM	Down							
7-3-85	5:00P	6.88	450	112.00	16.80	10.20	3.17		
7-4-85	9:00P	6.75	450	116.00	20.80	9.14	3.53	9572550	.055
7-4-85	5:30P	6.90	470	120.00	20.80	9.49	2.96	9573770	.058
7-5-85	11:30A	7.10	425	120.00	17.60	5.27	3.71	9577640	.069

NORTH PLATTE GROUNDWATER SWEEP PROGRAM
WATER WELL DATA SUMMARY
WELL # I-2

<u>Date</u>	<u>Time</u>	<u>pH</u>	<u>Ec.</u>	<u>Alk.</u>	<u>Ca</u>	<u>Cl</u>	<u>U</u>	<u>Meter</u>	<u>Cum.P.V.</u>
7-6-85	09:30A	6.90	425	101.64	17.60	5.27	2.96	9582036	.0825
7-6-85	12:30	6.90	440	101.64	20.80	9.23	3.14	9583635	.0870
7-7-85	09:30	6.80	440	120.00	20.00	9.49	2.43	9586515	.0952
7-7-85	12:30	6.90	450	116.00	19.20	10.98	2.84	9588003	.0995
7-8-85	09:30	6.81	440	116.00	20.80	11.42	2.53	9588310	.1947
7-8-85	19:30	6.75	430	120.00	19.20	11.42	2.53	9593126	.2085
7-9-85	09:30	6.85	433	116.00	16.40	9.49	2.54	9595601	.2156
7-9-85	19:40	6.81	433	124.00	20.80	9.77	1.79	9597402	.2207
7-10-85	09:30	6.98	440	120.00	20.80	9.49	2.52	9599640	.2271
7-10-85	21:30	7.04	430	116.00	24.00	10.98	2.53	9600000	.2281
7-11-85	17:30	6.95	440	120.00	20.80	12.30	1.94	Same meter B/O	
7-12-85	09:30	6.60	445	124.00	20.00	11.49	1.64		
7-12-85	17:30	6.61	440	120.00	20.00	11.42	1.94		
7-13-85	09:30	6.78	450	124.00	24.00	12.30	2.53		
7-13-85	18:30	6.70	430	120.00	20.80	11.49	2.96		
7-14-85	09:00	6.69	430	124.00	20.00	11.42	2.38		
7-14-85	10:30	6.83	435	120.00	20.00	9.49	2.30	645895	.2281
7-15-85	09:30	6.98	440	132.00	20.00	13.18	3.83	647722	.2333
7-15-85	17:30	6.94	450	132.00	20.00	12.30	3.73	648744	.2362
7-16-85	08:30	7.01	450	124.00	20.80	13.18	3.65	650886	.2423
7-16-85	16:30	7.00	440	124.00	20.80	11.49	4.18	651890	.2452
7-17-85	08:30	6.90	450	120.00	20.00	12.30	3.83	654098	.2515
7-17-85	17:00	6.93	450	124.00	19.20	11.49	4.18	655432	.2553

NORTH PLATTE GROUNDWATER SWEEP PROGRAM
WATER WELL DATA SUMMARY
WELL # I-2

<u>Date</u>	<u>Time</u>	<u>pH</u>	<u>Ec.</u>	<u>Alk.</u>	<u>Ca</u>	<u>Cl</u>	<u>U</u>	<u>Meter</u>	<u>Cum.P.V.</u>
7-18-85	07:30	6.85	440	132.00	20.0	10.20	5.98	656881	.2594
7-18-85	19:00	6.8	440	132.00	24.0	13.18	5.23	658065	.2628
7-19-85	07:30	6.69	450	132.00	24.0	16.26	3.83	659486	.2669
7-19-85	16:30	6.84	450	124.59	20.8	16.26	4.18	660510	.2698
7-20-85	09:30	6.77	450	136.03	20.8	15.82	3.73	662400	.2752
7-20-85	14:30	6.95	445	136.00*	22.0	14.94	5.53	662962	.2768
7-21-85	12:30	6.98	450	132.00	20.0	16.26	3.61	665387	.2837
7-21-85	22:00	6.94	450	136.00	20.0	17.14	2.87	666430	.2867
7-22-85	06:30	7.08	450	140.00	19.2	17.14	3.94**	667362	.2894
7-22-85	11:30	6.77	460	132.00	19.2	17.14	2.69	668420	.2924
7-23-85	10:00	6.76	475	140.00	19.2	14.94	3.05	670379	.2980
7-23-85	17:30	6.72	445	132.00	18.4	16.26	2.48	671194	.3003
7-24-85	09:30	6.91	450	140.00	20.8	17.14	2.93	672925	.3019
7-24-85	16:30	7.12	500	136.00	20.3	14.48	2.42	673470	

* Changed formula

** Changed to 5 mil.

NORTH PLATTE GROUNDWATER SWEEP PROGRAM
WATER WELL DATA SUMMARY
WELL # I-3

<u>Date</u>	<u>Time</u>	<u>pH</u>	<u>Ec.</u>	<u>Alk.</u>	<u>Ca</u>	<u>Cl</u>	<u>U</u>	<u>Meter</u>	<u>Cum.P.V.</u>
6-26-85	1:30P	6.30	164	67.95	12.80	3.30	.636		
6-26-85	7:00P	6.07	175	35.98	13.60	3.80	.350		
6-27-85	2:00A	6.02	168	37.64	15.20	5.63	1.350		
6-27-85	7:30A	6.06	180	32.00	12.00	4.22	.870		
6-27-85	8:30P	6.08	175	32.00	13.60	4.57	.900		
6-28-85	9:30A	6.04	185	36.00	9.60	6.37	.720	1195216	
6-29-85	Down till next sample								
7-9-85	I-3 started back up @ 21:00 hrs.								
7-10-85	09:30	6.40	420	104.00	13.60	16.80	1.640	1195989	.0022
7-10-85	21:30	6.60	425	104.00	17.60	16.80	2.430	1196614	.0040
7-11-85	09:30	6.49	425	116.00	15.20	18.90	2.840	1197910	.0077
7-11-85	17:30	6.26	420	102.46	17.60	17.58	1.350	1198154	.0084
7-12-85	09:30	6.24	420	104.00	16.80	19.78	2.690	Off	
7-12-85	17:30	6.29	425	102.46	15.20	19.78	2.840	1198483	.0161
7-13-85	09:30	6.32	425	102.48	17.60	19.78	2.840	1198945	.0174
7-13-85	18:30	6.29	425	104.00	17.60	18.90	1.350	1199255	.0183
7-14-85	09:00	6.29	425	102.46	16.80	16.80	.870	1200000	.0205
7-14-85	18:30	6.24	430	116.00	17.60	16.80	2.430	1200400	.0216
7-15-85	09:30	6.56	435	128.00	16.00	17.58	4.480	1201390	.0244
7-15-85	12:30	6.60	440	128.00	15.20	16.80	4.630	1202184	.0267
7-16-85	08:30	6.60	440	104.00	13.60	16.80	4.480	1202609	.0279
7-16-85	16:30	6.61	440	103.29	13.60	17.58	4.300	1203000	.0546

NORTH PLATTE GROUNDWATER SWEEP PROGRAM
WATER WELL DATA SUMMARY
WELL # I-3

<u>Date</u>	<u>Time</u>	<u>pH</u>	<u>Ec.</u>	<u>Alk.</u>	<u>Ca</u>	<u>Cl</u>	<u>U</u>	<u>Meter</u>	<u>Cum.P.V.</u>
7-17-85	08:30	6.59	440	124.00	13.6	16.80	4.78	1203845	.0574
7-17-85	12:00	6.6	450	124.00	15.2	17.60	4.78	1204303	.0583
7-18-85	07:30	6.49	450	120.00	16.0	16.80	5.08	1205097	.0606
7-18-85	19:00	6.51	450	116.00	16.0	16.80	4.48	1205728	.0601
7-19-85	07:30	6.38	450	120.00	16.0	14.94	5.23	1206404	.0620
7-19-85	16:30	6.41	450	116.00	15.2	17.14	5.08	1207057	.0639
7-20-85	09:30	6.34	450	116.00	13.6	17.58	5.23	1208173	.0671
7-20-85	14:30	6.73	440	124.00*	16.0	15.38	5.23	1208520	.0681
7-21-85	12:30	6.81	445	124.00	12.0	16.26	4.03	1209792	.0717
7-21-85	22:00	6.74	430	124.00	14.4	16.00	3.08	1210275	.0731
7-22-85	06:30	6.84	430	124.00	14.4	17.58	3.64**	1210750	.0745
7-22-85	16:30	6.72	430	120.00	14.4	13.10	2.84	1211240	.0759
7-23-85	10:00	6.74	430	124.00	14.4	13.10	3.02	1211981	.0780
7-23-85	17:30	6.68	430	128.00	13.6	16.26	2.42	1212366	.0791
7-24-85	09:30	6.67	430	116.00	13.6	14.06	2.69	1213140	.0813
7-24-85	16:30	6.74	450	116.00	16.2	13.67	2.27	1213440	

* Used new formula

** Changed to 5 mil.

NORTH PLATTE GROUNDWATER SWEEP PROGRAM
WATER WELL DATA SUMMARY
WELL # I-4

<u>Date</u>	<u>Time</u>	<u>pH</u>	<u>Ec.</u>	<u>Alk.</u>	<u>Ca</u>	<u>Cl</u>	<u>U</u>	<u>Meter</u>	<u>Cum.P.V.</u>
6-26-85	1:30P	6.53	455	114.60	24.00	10.725	1.000		
6-26-85	7:00P	6.20	340	100.00	23.20	13.000	1.380		
6-27-85	2:00A	6.46	325	103.93	25.60	10.54	2.450		
6-27-85	7:30A	6.70	380	103.93	24.80	11.25	1.790		
6-27-85	8:30P	6.55	430	120.00	25.60	13.36	1.500		
6-28-85	9:30A	6.67	450	136.00	24.00	13.01	1.320	7638850	-0-
6-28-85	8:00P	6.57	485	144.00	23.70	13.71	1.320		
6-29-85	10:30A	6.61	495	148.00	21.60	14.42	.930		
6-29-85	7:30P	6.95	490	140.00	24.80	14.20	2.840		
6-30-85	9:00A	6.91	490	152.00	20.00	15.20	1.910		
6-30-85	7:30P	6.96	500	140.00	24.80	16.26	1.760	7669530	.429
7-1-85	3:30A	6.98	500	148.00	22.40	17.14	1.700		
7-1-85	Eve.	Down							
7-2-85	11:30A	7.38	500	160.00	20.80	14.77	2.480	7679390	.457
7-2-85	PM	Down							
7-3-85	AM	Down							
7-3-85	5:00P	6.96	500	84.00	20.80	14.07	1.820		
7-4-85	9:00A	6.94	500	152.00	21.60	13.01	1.610	7692140	.493
7-4-85	5:30P	7.06	500	128.00	20.00	14.07	1.080	7695190	.502
7-5-85	11:30A	7.06	500	152.00	20.00	10.20	.630	7705720	.531
7-6-85	09:30	6.91	500	131.20	20.00	16.00	.440	7705931	.5316
7-6-85	17:30	6.96	500	124.60	20.00	14.07	.440	7710426	.5444

NORTH PLATTE GROUNDWATER SWEEP PROGRAM

WATER WELL DATA SUMMARY

WELL #I-4

<u>Date</u>	<u>Time</u>	<u>pH</u>	<u>Ec.</u>	<u>Alk.</u>	<u>Ca</u>	<u>Cl</u>	<u>U</u>	<u>Meter</u>	<u>Cum.P.V.</u>
7-7-85	09:30	6.64	490	112.00	16.7	14.07	.89	7723626	.5821
7-7-85	17:30	6.57	490	125.31	16.7	17.6	.44	7728826	.5970
7-8-85	09:30	6.58	490	148.00	17.4	17.6	.44	7735546	.6162
7-8-85	19:30	6.78	500	139.41	17.4	17.6	.44	7754260	.6692
7-9-85	09:30	6.9	495	139.41	20.0	15.35	.59	7762999	.6947
7-9-85	19:40	6.69	495	139.41	20.0	15.82	1.49	7769350	.7128
7-10-85	09:30	7.02	490	131.15	17.4	16	1.79	7777730	.7367
7-10-85	21:30	6.73	495	139.41	20.	15.82	1.79	7784605	.7564
7-11-85	09:30	7.0	475	148.00	19.2	16.0	1.49	7790329	.7727
7-11-85	17:30	6.93		148.00	19.2	15.82	1.34	7795225	.7867
7-12-85	09:30	6.49		144.00	18.4	14.06	.59	7805497	.8161
7-12-85	17:30	6.55		144.00	20.8	14.06	.44	7811366	.8328
7-13-85	09:30	6.65	450	148.00	20.0	16.	.89	7822203	.8638
7-13-85	18:30	6.73	450	148.00	20.8	17.6	.63	7826945	.8774
7-14-85	09:30	6.54	465	139.41	19.2	17.6	1.08	7836359	.9043
7-14-85	18:30	6.5	460	139.41	19.2	16.0	1.89	7841451	.8919
7-15-85	09:30	6.95	450	148.00	20	16	3.14	7850001	.9018
7-15-85	17:30	6.96	450	148.00	20	16	2.84	7858505	.9261
7-16-85	08:30	6.94	440	144.00	20	17.58	2.69	7865197	.9452
7-16-85	16:30	6.90	440	139.4	19.2	17.58	2.69	7869977	.9589
7-17-85	08:30	6.96	450	139.4	19.2	16	1.49	7874978	.9732
7-17-85	17:00	6.88	450	144.00	17.4	16	2.24	7885181	1.0023

NORTH PLATTE GROUNDWATER SWEEP PROGRAM
WATER WELL DATA SUMMARY
WELL # I-4

<u>Date</u>	<u>Time</u>	<u>pH</u>	<u>Ec.</u>	<u>Alk.</u>	<u>Ca</u>	<u>Cl</u>	<u>U</u>	<u>Meter</u>	<u>Cum.P.V.</u>
7-18-85	07:30	6.90	450	139.40	20.0	17.58	2.69	7894080	1.0278
7-18-85	19:00	6.88	440	139.40	18.4	17.58	1.79	7901234	1.0482
7-19-85	07:30	6.91	440	144.00	20.0	16.00	.89	7908584	1.0692
7-19-85	10:30	6.89	450	144.20	19.2	16.00	.64	7914627	1.0865
7-20-85	09:30	6.87	440	144.00	19.2	17.58	1.34	7925266	1.1169
7-20-85	14:30	6.94	450	148.0*	19.2	15.82	3.14	7928526	1.1262
7-21-85	12:30	7.02	450	144.0	21.6	16.00	1.70	7942334	1.1657
7-21-85	22:00	7:01	450	148.0	20.0	16.70	.358	7948327	1.1828
7-22-85	06:36	7.22	450	148.0	20.0	17.58	1.43**	7953607	1.1979
7-22-85	16:30	6.92	480	140.0	21.6	15.30	.77	7959580	1.2150
7-23-85	10:00	6.91	450	148.0	18.4	17.58	.69	7970354	1.2457
7-23-85	17:30	6.87	450	144.0	19.2	16.70	.35	7974935	1.2588
7-24-85	09:30	6.92	450	148.0	20.0	16.70	.80	7984712	1.2867
7-24-85	16:30	7.84	450	144.0	20.7	13.70	.71	7989310	

CORE LABORATORIES, INC.

P. O. Box 2794
Casper, Wyoming

ANALYTICAL REPORT

From ... Uranium Resources, Inc.

Product Water

Address Casper, WY

Date 7-2-85

Other Pertinent Data

Analyzed by

Date 7-16-85

Lab No. W50625-1

WATER ANALYSIS

I-1 taken 7-2-85 by MP

	mg/l
Total suspended solids -----	*
Total dissolved solids (calc.) -	314
Total dissolved solids (obs.) --	306
Conductivity @77°F., micromhos/cm	464
Total alkalinity as CaCO ₃ -----	120
Total hardness as CaCO ₃ -----	67
Sodium (Na)(calc.) -----	87
Sodium (Na)(obs.) -----	82
Potassium (K) -----	3
Calcium (Ca) -----	17
Magnesium (Mg) -----	6
Sulfate (SO ₄) -----	116
Chloride (Cl) -----	14
Carbonate (CO ₃) -----	0
Bicarbonate (HCO ₃) -----	146
pH, units -----	7.5
Aluminum (Al) -----	*
Ammonia (as N) -----	*
Arsenic (As) -----	0.033
Boron (B) -----	*
Barium (Ba) -----	*
Cation-Anion Balance -----	1.99
Cadmium (Cd) -----	*
Chromium (Cr) -----	*

	mg/l
Copper (Cu) -----	*
Fluoride (F) -----	0.37
Iron (Fe) (total) -----	*
Iron (Fe) (dissolved) -----	0.04
Lead (Pb) -----	*
Manganese (Mn) -----	0.05
Mercury (Hg) -----	ND(0.0004)
Molybdenum (Mo) -----	0.02
Nickel (Ni) -----	*
Nitrate (as N) -----	0.29
Nitrite (as N) -----	*
Phosphorus (PO ₄) -----	*
Selenium (Se) -----	ND(0.001)
Silica (SiO ₂) -----	7.1
Silver (Ag) -----	*
Zinc (Zn) -----	0.10
Vanadium (V ₂ O ₅) -----	0.04
Uranium (natural), pCi/l -----	6.2
Eh, millivolts -----	*
Chemical Oxygen Demand (COD) -	*
Radium 226, pCi/l -----	279 ± 4.7
Radium 226 (LLD), pCi/l - -	0.7

* = Tests not requested.

ND = Not detected at level given in parentheses.

CORE LABORATORIES, INC.

[Signature]
Laboratory Supervisor

JUL 2 1985

CORE LABORATORIES, INC.

P. O. Box 2794
Casper, Wyoming

ANALYTICAL REPORT

From .. Uranium Resources, Inc. .. Product Water ..
Address Richardson, TX .. Date ..
Other Pertinent Data ..
Analyzed by .. Date 7-16-85 .. Lab No W50599-3 ..

WATER ANALYSIS

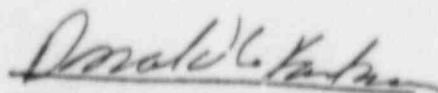
I-3 taken 6-26-85 by MP

	mg/l		mg/l
Total suspended solids -----	*	Copper (Cu) -----	*
Total dissolved solids (calc.) -	102	Fluoride (F) -----	0.07
Total dissolved solids (obs.) --	93	Iron (Fe) (total) -----	*
Conductivity @77°F., micromhos/cm	171	Iron (Fe) (dissolved) -----	1.7
Total alkalinity as CaCO ₃ -----	22	Lead (Pb) -----	*
Total hardness as CaCO ₃ -----	35.5	Manganese (Mn) -----	0.02
Sodium (Na)(calc.) -----	20	Mercury (Hg) -----	ND(0.0004)
Sodium (Na)(obs.) -----	19	Molybdenum (Mo) -----	ND(0.01)
Potassium (K) -----	1	Nickel (Ni) -----	*
Calcium (Ca) -----	11	Nitrate (as N) -----	ND(0.1)
Magnesium (Mg) -----	2	Nitrite (as N) -----	*
Sulfate (SO ₄) -----	46	Phosphorus (PO ₄) -----	*
Chloride (Cl) -----	8	Selenium (Se) -----	ND(0.001)
Carbonate (CO ₃) -----	0	Silica (SiO ₂) -----	9.2
Bicarbonate (HCO ₃) -----	27	Silver (Ag) -----	*
pH, units -----	7.1	Zinc (Zn) -----	0.20
Aluminum (Al) -----	*	Vanadium (V ₂ O ₅) -----	ND(0.02)
Ammonia (as N) -----	*	Uranium (U ₃ O ₈) -----	0.855
Arsenic (As) -----	0.036	Eh, millivolts -----	*
Boron (B) -----	*	Chemical Oxygen Demand (COD) -----	*
Barium (Ba) -----	*	Radium 226, pCi/l -----	294
Cation-Anion Balance -----	1.99	Radium 226 (LLD), pCi/l -----	0.5
Cadmium (Cd) -----	*		
Chromium (Cr) -----	*		

* = Tests not requested.

ND = Not detected at level given in parentheses.

CORE LABORATORIES, INC.


Laboratory Supervisor

CORE LABORATORIES, INC.

P. O. Box 2794
Casper, Wyoming

ANALYTICAL REPORT

From Uranium Resources, Inc. Product Water

Address Richardson, TX Date

Other Pertinent Data

Analyzed by Date 7-16-85 Lab. No. W50599-4

WATER ANALYSIS

I-4 taken by MP on 6-26-85

	mg/l		mc/l
Total suspended solids -----	*	Copper (Cu) -----	*
Total dissolved solids (calc.) -	254	Fluoride (F) -----	0.13
Total dissolved solids (obs.) --	238	Iron (Fe) (total) -----	*
Conductivity @77°F., micromhos/cm	420	Iron (Fe) (dissolved) -----	1.5
Total alkalinity as CaCO ₃ ----	90	Lead (Pb) -----	*
Total hardness as CaCO ₃ -----	58	Manganese (Mn) -----	0.05
Sodium (Na)(calc.) -----	69	Mercury (Hg) -----	ND(0.0004)
Sodium (Na)(obs.) -----	68	Molybdenum (Mo) -----	ND(0.02)
Potassium (K) -----	2	Nickel (Ni) -----	*
Calcium (Ca) -----	15	Nitrate (as N) -----	ND(0.1)
Magnesium (Mg) -----	5	Nitrite (as N) -----	*
Sulfate (SO ₄) -----	89	Phosphorus (PO ₄) -----	*
Chloride (Cl) -----	20	Selenium (Se) -----	ND(0.001)
Carbonate (CO ₃) -----	0	Silica (SiO ₂) -----	6.9
Bicarbonate (HCO ₃) -----	110	Silver (Ag) -----	*
pH, units -----	7.7	Zinc (Zn) -----	0.24
Aluminum (Al) -----	*	Vanadium (V ₂ O ₅) -----	0.02
Ammonia (as N) -----	*	Uranium (U ₃ O ₈) -----	1.65
Arsenic (As) -----	0.033	Eh, millivolts -----	*
Boron (B) -----	*	Chemical Oxygen Demand (COD) -	*
Barium (Ba) -----	*	Radium 226, pCi/l -----	123
Cation-Anion Balance -----	0.50	Radium 226 (LLD), pCi/l -----	0.5
Cadmium (Cd) -----	*		
Chromium (Cr) -----	*		

* * Tests not requested.

ND * Not detected at level given in parentheses.

CORE LABORATORIES, INC.

Donald W. Hartman

Laboratory Supervisor

CORE LABORATORIES, INC.

P. O. Box 2794
Casper, Wyoming

ANALYTICAL REPORT

From Uranium Resources, Inc. Product Water
Address Richardson, TX Date _____
Other Pertinent Data _____

Analyzed by _____ Date 7-16-85 Lab. No. W50599-5

Sample	Radium 226 pCi/l	Chloride (Cl)mg/l	Sulfate (SO ₄)mg/l	Carbonate (CO ₃)mg/l	Bicarbonate (HCO ₃)mg/l	Total Alkalinity (CaCO ₃)mg/l
1 MW 4 6-26-85	88	12	130	0	158.6	130
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

ND - Not detected at level given in parentheses

Remarks _____

CORE LABORATORIES, INC.

P. O. Box 2794
Casper, Wyoming

ANALYTICAL REPORT

From Uranium Resources, Inc. Product Water
Address Casper, WY Date 7-2-85
Other Pertinent Data
Analyzed by Date 7-16-85 Lab. No. W50625-2

WATER ANALYSIS

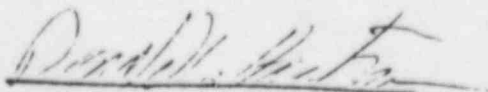
I-2 taken 7-2-85 by MP

	mg/l		mg/l
Total suspended solids	*	Copper (Cu)	*
Total dissolved solids (calc.)	319	Fluoride (F)	0.29
Total dissolved solids (obs.)	342	Iron (Fe) (total)	*
Conductivity @77°F., micromhos/cm	475	Iron (Fe) (dissolved)	0.28
Total alkalinity as CaCO ₃	115	Lead (Pb)	*
Total hardness as CaCO ₃	74	Manganese (Mn)	0.06
Sodium (Na)(calc.)	86	Mercury (Hg)	ND(0.0004)
Sodium (Na)(obs.)	85	Molybdenum (Mo)	0.02
Potassium (K)	3	Nickel (Ni)	*
Calcium (Ca)	18	Nitrate (as N)	ND(0.1)
Magnesium (Mg)	7	Nitrite (as N)	*
Sulfate (SO ₄)	120	Phosphorus (PO ₄)	*
Chloride (Cl)	17	Selenium (Se)	ND(0.001)
Carbonate (CO ₃)	0	Silica (SiO ₂)	5.6
Bicarbonate (HCO ₃)	140	Silver (Ag)	*
pH, units	7.2	Zinc (Zn)	0.14
Aluminum (Al)	*	Vanadium (V ₂ O ₅)	0.03
Ammonia (as N)	*	Uranium (natural), pCi/l	3.6
Arsenic (As)	0.034	Eh, millivolts	*
Boron (B)	*	Chemical Oxygen Demand (COD)	*
Barium (Ba)	*	Radium 226, pCi/l	322 ± 5.0
Cation-Anion Balance	0.21	Radium 226 (LLD), pCi/l	0.7
Cadmium (Cd)	*		
Chromium (Cr)	*		

* = Tests not requested.

ND = Not detected at level given in parentheses.

CORE LABORATORIES, INC.



Laboratory Supervisor

CORE LABORATORIES, INC.

P. O. Box 2794
Casper, Wyoming

ANALYTICAL REPORT

From Uranium Resources, Inc. Product Water
Address Casper, WY Date 7-2-85
Other Pertinent Data _____
Analyzed by _____ Date 7-16-85 Lab No. W50625-3

WATER ANALYSIS

I-4 Taken 7-2-85 by MP

	<u>mg/l</u>		<u>mg/l</u>
Total suspended solids -----	*	Copper (Cu) -----	*
Total dissolved solids (calc.) -	342	Fluoride (F) -----	0.30
Total dissolved solids (obs.) --	336	Iron (Fe) (total) -----	*
Conductivity @77°F., micromhos/cm	502	Iron (Fe) (dissolved) -----	0.60
Total alkalinity as CaCO ₃ -----	150	Lead (Pb) -----	*
Total hardness as CaCO ₃ -----	74	Manganese (Mn) -----	0.05
Sodium (Na)(calc.) -----	98	Mercury (Hg) -----	ND(0.0004)
Sodium (Na)(obs.) -----	101	Molybdenum (Mo) -----	ND(0.02)
Potassium (K) -----	3	Nickel (Ni) -----	*
Calcium (Ca) -----	18	Nitrate (as N) -----	ND(0.1)
Magnesium (Mg) -----	7	Nitrite (as N) -----	*
Sulfate (SO ₄) -----	100	Phosphorus (PO ₄) -----	*
Chloride (Cl) -----	26	Selenium (Se) -----	ND(0.001)
Carbonate (CO ₃) -----	0	Silica (SiO ₂) -----	7.0
Bicarbonate (HCO ₃) -----	183	Silver (Ag) -----	*
pH, units -----	7.2	Zinc (Zn) -----	0.23
Aluminum (Al) -----	*	Vanadium (V ₂ O ₅) -----	0.03
Ammonia (as N) -----	*	Uranium (natural), pCi/l -----	1.9
Arsenic (As) -----	0.039	Eh, millivolts -----	*
Boron (B) -----	*	Chemical Oxygen Demand (COD) -	*
Barium (Ba) -----	*	Radium 226, pCi/l -----	57 ± 2.4
Cation-Anion Balance -----	1.22	Radium 226 (LLD), pCi/l -----	0.8
Cadmium (Cd) -----	*		
Chromium (Cr) -----	*		

* = Tests not requested.

ND = Not detected at level given in parentheses.

CORE LABORATORIES, INC.



Laboratory Supervisor

CORE LABORATORIES, INC.

P. O. Box 2794
Casper, Wyoming

ANALYTICAL REPORT

From Uranium Resources, Inc. Product Water
Address Casper, WY Date 7-2-85
Other Pertinent Data _____

Analyzed by _____ Date 7-16-85 Lab. No. W50625-4

Sample	Radium 226 pCi/l	Chlorine (Cl)mg/l	Sulfate (SO ₄)mg/l	Carbonate (CO ₃)mg/l	Bicarbonate (HCO ₃) mg/l	Total Alkalinity
1 MW 4 7-2-85	29 ± 1.5	10	128	12	159	150
2						
3	LLD 0.7					
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
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17						
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ND - Not detected at level given in parentheses

Remarks _____

CORE LABORATORIES, INC.

P. O. Box 2794
Casper, Wyoming

ANALYTICAL REPORT

From Uranium Resources, Inc. Product Water
Address Richardson, TX Date
Other Pertinent Data
Analyzed by Date 7-16-85 Lab. No. W50599-1

WATER ANALYSIS

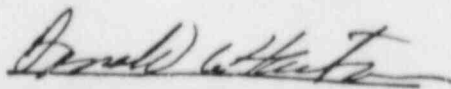
I-1 taken 6-26-85 by MP

	mg/l		mg/l
Total suspended solids	*	Copper (Cu)	*
Total dissolved solids (calc.)	259	Fluoride (F)	0.23
Total dissolved solids (obs.)	262	Iron (Fe) (total)	*
Conductivity @77°F., micromhos/cm	412	Iron (Fe) (dissolved)	0.13
Total alkalinity as CaCO ₃	100	Lead (Pb)	*
Total hardness as CaCO ₃	63	Manganese (Mn)	0.06
Sodium (Na)(calc.)	68	Mercury (Hg)	ND(0.0004)
Sodium (Na)(obs.)	65	Molybdenum (Mo)	ND(0.02)
Potassium (K)	3	Nickel (Ni)	*
Calcium (Ca)	17	Nitrate (as N)	ND(0.1)
Magnesium (Mg)	5	Nitrite (as N)	*
Sulfate (SO ₄)	96	Phosphorus (PO ₄)	*
Chloride (Cl)	10	Selenium (Se)	ND(0.001)
Carbonate (CO ₃)	0	Silica (SiO ₂)	8.4
Bicarbonate (HCO ₃)	122	Silver (Ag)	*
pH, units	6.9	Zinc (Zn)	0.17
Aluminum (Al)	*	Vanadium (V ₂ O ₅)	0.04
Ammonia (as N)	*	Uranium (U ₃ O ₈)	6.2
Arsenic (As)	0.026	Eh, millivolts	*
Boron (B)	*	Chemical Oxygen Demand (COD)	*
Barium (Ba)	*	Radium 226, pCi/l	325
Cation-Anion Balance	1.33	Radium 226 (LLD), pCi/l	0.5
Cadmium (Cd)	*		
Chromium (Cr)	*		

* = Tests not requested.

ND = Not detected at level given in parentheses.

CORE LABORATORIES, INC.


Laboratory Supervisor

CORE LABORATORIES, INC.

P. O. Box 2794
Casper, Wyoming

ANALYTICAL REPORT

From Uranium Resources, Inc. Product Water
Address Richardson, TX Date _____
Other Pertinent Data _____
Analyzed by _____ Date 7-16-85 Lab. No. W50599-2

WATER ANALYSIS

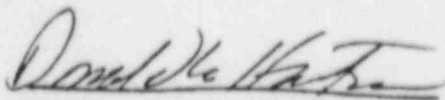
I-2 taken 6-26-85 by MP

	mg/l		mg/l
Total suspended solids -----	*	Copper (Cu) -----	*
Total dissolved solids (calc.) -	206	Fluoride (F) -----	0.12
Total dissolved solids (obs.) --	322	Iron (Fe) (total) -----	*
Conductivity @77°F., micromhos/cm	759	Iron (Fe) (dissolved) -----	0.91
Total alkalinity as CaCO ₃ -----	0	Lead (Pb) -----	*
Total hardness as CaCO ₃ -----	77	Manganese (Mn) -----	0.09
Sodium (Na)(calc.) -----	35	Mercury (Hg) -----	ND(0.0004)
Sodium (Na)(obs.) -----	53	Molybdenum (Mo) -----	ND(0.02)
Potassium (K) -----	2	Nickel (Ni) -----	*
Calcium (Ca) -----	21	Nitrate (as N) -----	0.59
Magnesium (Mg) -----	6	Nitrite (as N) -----	*
Sulfate (SO ₄) -----	118	Phosphorus (PO ₄) -----	*
Chloride (Cl) -----	24	Selenium (Se) -----	ND(0.001)
Carbonate (CO ₃) -----	0	Silica (SiO ₂) -----	8.5
Bicarbonate (HCO ₃) -----	0	Silver (Ag) -----	*
pH, units -----	3.0	Zinc (Zn) -----	0.21
Aluminum (Al) -----	*	Vanadium (V ₂ O ₅) -----	0.03
Ammonia (as N) -----	*	Uranium (U ₃ O ₈) -----	3.5
Arsenic (As) -----	0.021	Eh, millivolts -----	*
Boron (B) -----	*	Chemical Oxygen Demand (COD) -	*
Barium (Ba) -----	*	Radium 226, pCi/l -----	496
Cation-Anion Balance -----	10.9	Radium 226 (LLD), pCi/l -----	0.5
Cadmium (Cd) -----	*		
Chromium (Cr) -----	*		

* = Tests not requested.

ND = Not detected at level given in parentheses.

CORE LABORATORIES, INC.


Laboratory Supervisor