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40-4492

AMERICAN NUCLEAR CORPORATION

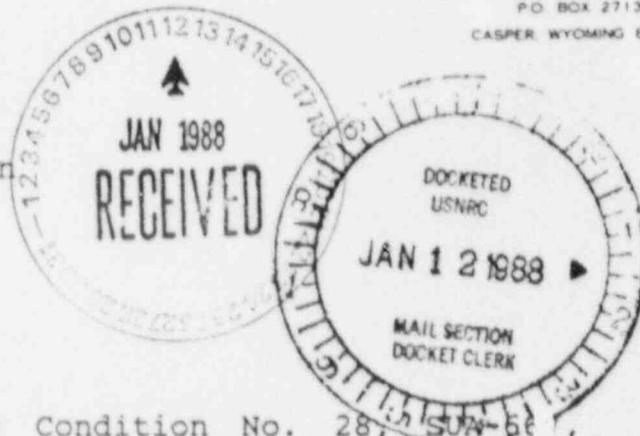
January 8, 1988

RETURN ORIGINAL TO PDR HQ

JOHN C. FERGUSON, PRESIDENT
TELEPHONE (307) 265-7912

314 WEST LOWEST AVE
P.O. BOX 2713
CASPER, WYOMING 82602

U.S. Nuclear Regulatory Commission
Region IV
Uranium Recovery Field Office
P.O. Box 25325
Denver, CO 80225



Gentlemen:

In accordance with License Condition No. 28, Amendment No. 22, the following data has been collected from background well TP 2-3 and detection monitoring wells TP 2-2 and R-6. American proposes to use twenty-five percent of the drinking water standard for the Threshold value to determine if the water quality from the detection wells exceed the background level because at least one-half of the background levels are below the detection concentrations. Therefore, an arsenic and selenium concentration of 0.0125 and 0.0025 mg/l respectively will be compared to the levels observed in the detection monitoring wells TP 2-2 and R-6 to determine if hazardous constituent movement is indicated. A Threshold value of pH of 6.8 will also be used because the tailings were acidic and this value should be appropriate because it is just slightly on the acidic side of neutral.

Well # TP2-2

Date	pH	As	Se
1/84	7.98	0.003	ND
4/84	6.81	ND	ND
7/84	7.36	ND	ND
10/84	7.50	ND	ND
1/85	7.10	ND	ND
4/85	7.36	ND	ND
5/85	6.97	<0.005	<0.001
6/85	7.90	0.008	0.006
7/85	No Sample		
10.85	7.90	0.005	0.004
11/85	7.70	<0.001	0.005
1/86	7.25	0.001	0.002
2/86	7.60	0.002	0.002
3/86	7.86	0.003	0.001
4/86	7.82	0.001	0.004
5/86	7.64	0.001	0.002
6/86	7.68	0.002	0.003

1-8 Jan 88-1

Check # 001812

Amount \$ 150

Fee 2A

Ampt

2/3/88

2/11/88

By: Jackson

DESIGNATED ORIGINAL

8802160392 880108
PDR ADDCK 04004492
C PDR

Certified By Mary C. Hood

88-0283

Well # TP2-2 Cont.

<u>Date</u>	<u>pH</u>	<u>As</u>	<u>Se</u>
7/86	7.55	0.001	0.002
8/86	7.48	0.002	0.004
10/86	8.17	0.003	0.002
4/87	7.71	0.003	0.003

Well # R-6

<u>Date</u>	<u>pH</u>	<u>As</u>	<u>Se</u>
1/84	2.78	0.006	0.003
4/84	2.92	ND	ND
7/84	2.80	ND	ND
10/84	2.86	ND	ND
1/85	No Sample		
4/85	3.05	0.006	ND
5/85	3.14	0.007	<0.001
6/85	3.30	<0.001	0.002
7/85	No Sample		
10/85	3.14	0.010	0.003
11/85	3.04	0.007	0.005
12/85	3.29	0.004	0.001
1/86	3.28	0.004	0.004
2/86	3.20	0.007	<0.001
3/86	3.22	0.003	0.009
4/86	3.29	0.002	0.003
5/86	3.30	<0.001	0.002
6/86	3.14	0.004	0.005
7/86	3.32	0.002	0.017
8/86	3.10	0.003	0.007
9/86	3.86	<0.001	<0.001
10/86	3.79	<0.001	0.037
4/87	3.07	0.002	0.006

Well # TP2-3

<u>Date</u>	<u>pH</u>	<u>As</u>	<u>Se</u>
1/85	7.87	ND	ND
2/85	7.56	ND	ND
3/85	7.57	ND	ND
4/85	7.89	ND	ND
5/85	7.40	<0.005	<0.001
6/85	8.12	<0.001	0.001
10/85	7.80	0.004	0.002
11/85	7.50	0.002	0.002
1/86	7.38	0.001	<0.001
2/86	7.66	<0.001	<0.001
3/86	7.70	<0.001	0.001

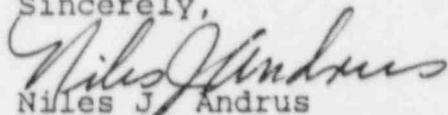
Well # TP2-3 Cont.

<u>Date</u>	<u>pH</u>	<u>As</u>	<u>Se</u>
4/86	7.80	<0.001	<0.001
5/86	7.59	0.001	<0.001
6/86	7.42	<0.001	<0.001
7/86	7.37	<0.001	<0.001
8/86	7.49	<0.001	<0.001
10/86	7.50	<0.001	<0.001

Because American is in a decommissioning/reclamation mode and not introducing additional contamination into the system, and for other reasons enumerated in my letter to Dale Smith, dated September 15, 1987, we ask for your reconsideration of our request to eliminate seepage collection efforts at this time.

American requests approval for the above in the form of a license amendment. A check for \$150 is enclosed.

Sincerely,



Niles J. Andrus
Vice President-Operations

NJA/mk