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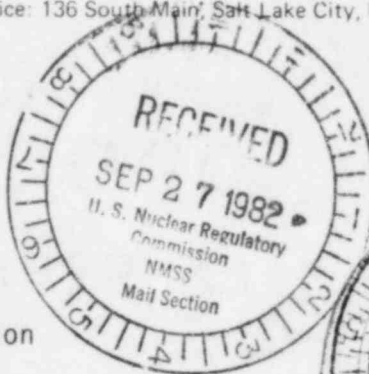
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Return to:
396SS

September 13, 1982

U. S. Nuclear Regulatory Commission
Attn: Mr. Thomas E. Fleming
Uranium Recovery Licensing Branch
7915 Eastern Avenue
Silver Spring, Maryland 20910



RE: ANALYTICAL DETECTION LIMITS - GROUNDWATER

Dear Tom:

Enclosed please find a list of inorganic groundwater constituents and the respective minimum detection limits for each by Eberline's laboratory.

The list of constituents corresponds to the parameters found in the April 1982 addendum report of inorganic water quality millsite radiological monitoring wells which we discussed on the telephone earlier this month.

Additionally, as an explanation for pH anomalies in RM-1, RM-2, Millsite Water Well #1, and Millsite Water Well #2 for January 1980 I can offer this: For each analytical request Eberline receives two one gallon water samples from Plateau Resources. One of the gallons is acidified with nitric acid to preserve the dissolved radionuclides. One gallon is unpreserved. The only theory I can offer is that Eberline inadvertently measured the pH of the acidified sample. This could explain the significantly lower pH readings on the well water samples cited above for 1-9-80.

If I can be of further assistance, please contact me.

Sincerely,

Dennis J. Allen

Dennis J. Allen
Environmental and Radiological Health Supervisor
Plateau Resources Limited

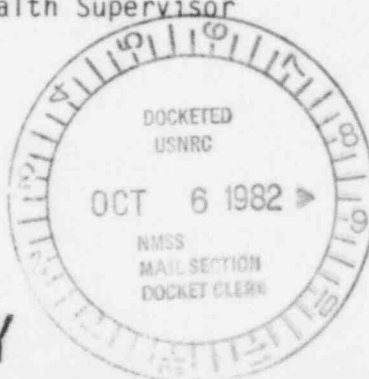
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Enclosure

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Eberline



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P.O. Box 3874
Albuquerque, New Mexico 87190
(505) 345-9931

LI-0011

September 7, 1982

Plateau Resources Ltd.
Box 511
Ticaboo, Utah 84734

Attn.: Dennis Allen

Eberline - Analytical Detection Limits

<u>Element</u>	<u>Minimum sensitivity (mg/l)</u>
Arsenic	0.01
Barium	0.1
Cadmium	0.0001
Calcium	0.1
Chloride	0.5
Chromium	0.001
Copper	0.001
Fluoride	0.01
Iron	0.001
Lead	0.001
Manganese	0.001
Mercury	0.001
Molybdenum	0.001
Nitrate	0.5
pH	0.1
Selenium	0.01
Silver	0.001
Sodium	0.1
Sulfate	5
Total dissolved solids	5
Vanadium	0.01