



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
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May 21, 1985

CERTIFIED RETURN RECEIPT REQUESTED
(P402 457 172)

Mr. Allen P. Childs, Engineer
Trail Mountain Coal Company
P. O. Box 370
Orangeville, Utah 84537-0370

Dear Mr. Childs:

RE: Response to Stipulation 817.41-(1) dated March 21, 1985,
Trail Mountain Mine, ACT/015/009, #2 and #4, Emery County,
Utah

The material you submitted in your March 21, 1985 letter has been reviewed by Division Geologist Rick Smith. The plan for acquiring site-specific borehole data will be acceptable when the following additional items are committed to by Trail Mountain:

1. Drill cutting samples will be collected at 10 foot intervals to derive a lithologic log;
2. If water is encountered, a suite of geophysical logs (gamma, single point, spontaneous potential) will be run to precisely identify and locate water-bearing lithology;
3. The water quality analytical schedule included in the Trail Mountain proposal must be modified to add those items in the attached baseline water quality parameter list which were not included in the Trail Mountain proposal.

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Mr. Allen P. Childs, Engineer
ACT/015/009
May 21, 1985

A letter from Trail Mountain committing to the above items will adequately satisfy the stipulation response. Please respond no later than June 7, 1985.

Sincerely,



John J. Whitehead
Permit Supervisor/
Reclamation Hydrologist

btb

cc: Allen Klein
Wayne Hedberg
Sandy Pruitt
Rick Smith
9294R-18 & 19

TRAIL MOUNTAIN SUGGESTED
GROUND WATER BASELINE AND OPERATIONAL
WATER QUALITY PARAMETER LIST

Field Measurements:

- * - Water Levels or Flow
- * - pH
- * - Specific Conductivity (umhos/cm)
- * - Temperature (C°)

Laboratory Measurements: (mg/l)

- * - Total Dissolved Solids
- * - Total Hardness (as CaCO₃)
- Aluminum (Al)
- Arsenic (As)
- Barium (Ba)
- Boron (B)
- * - Carbonate (CO₃ -2)
- * - Bicarbonate (HCO₃ -)
- Cadmium (Cd)
- * - Calcium (Ca)
- * - Chloride (CL⁻)
- Chromium (Cr)
- Copper (Cu)
- Fluoride (F⁻)
- * - Dissolved Iron (Fe)
- Lead (Pb)
- * - Magnesium (Mg)
- * - Manganese (Mn)
- Mercury (Hg)
- Molybdenum (Mo)
- Nickel (Ni)
- Nitrogen: Ammonia (NH₃)
- Nitrate (NO₃ -)
- Nitrate (NO₂)
- * - Potassium (K)
- Phosphate (PO₄ -3)
- Selenium (Se)
- * - Sodium (Na)
- * - Sulfate (SO₄ -2)
- Sulfide (S⁻)
- Zinc (Zn)

-Baseline
*Operational