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STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

December 7, 1981

Mr. Andrew King
Chief Engineer
Natonas Trail Mountain Coal Co.
P.O. Box 370
Orangeville, Utah 84537

RE: Approval for Minor Modification to
an Approved Interim MRP Culvert
Installation, Cottonwood Creek
Trail Mountain Mine
ACT/015/009
Emery County, Utah

Dear Mr. King:

The Division has completed a technical analysis of the designs submitted for the proposal to culvert sections of Cottonwood Creek and upgrade the existing sedimentation pond at the Trail Mountain Mine. Based upon the results of the review, the Division hereby issues its approval to install the culvert as designed and rebuild the existing sedimentation pond to meet the performance standards.

The following areas of concern must be addressed if applicable to this proposal:

1. If the average base flow of Little Cottonwood Creek is above 5 cfs, a Army Corps of Engineers 404 Permit will probably be required. Check with State Health for a determination (Mr. Don Hildon). This Division should be notified if the outcome is affirmative.
2. Submit a request for a temporary variance to sediment control standards on Little Cottonwood Creek during the construction phase to State Health, Bureau of Water Pollution Control, utilizing best practical control technology for minimizing sediment and erosion control. A copy of this plan should be copied to this Division as well.
3. The State Health Bureau of Water Pollution Control must concur with the proposed design for the sedimentation pond in light of the requirements of the issued NPDES permit.

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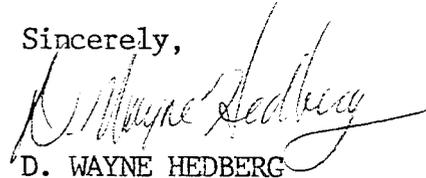
4. There is a concern that perhaps the rip-rap sizing criteria (2 ft. average diameter) as proposed for dissipating peak flow velocities at the culvert outlet, may not be adequate to prevent scouring of the stream channel.

If the confines of the channel in the outlet area are comprised of solid bedrock, this may not pose a serious problem. If this is not the case, new designs similar to those proposed in the attached Forest Service letter should be provided. This area should be assessed by Natomas Trail Mountain Coal Company and addressed accordingly.

This approval is separate from approvals required by any other regulatory agencies or other involved individuals and should not be construed as all encompassing. The Utah Division of Water Rights, Dam Safety; State Bureau of Water Pollution Control; the Office of Surface Mining and the Forest Service have all been forwarded copies for pertinent review. Those letters and comments which we have received to date are attached.

If you have any questions, please call myself or Sally Kefer of the Division staff.

Sincerely,



D. WAYNE HEDBERG
RECLAMATION HYDROLOGIST

DWH/te

cc: Robert Hagen, OSM
Bob Morgan, Dam Safety
Calvin Sudweeks, Water Pollution Control
Reed Christensen, USFS
Jim Smith, DOGM