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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

January 24, 1989

RE: MRP Amendment, Southern Utah Fuel Company, Convulsion Canyon,
ACT/041/002-88D, Folder #2, Sevier, Utah

Enclosed is one (1) copy of Southern Utah Fuel Company's final approved plans for MRP Amendment for the Convulsion Canyon Mine in Sevier County, Utah. This material should be used to update your file copy of the approved Mining and Reclamation Plan (MRP) for this mine.

The Division approved this permit change on January 13, 1989. If you have any questions please contact Mike DeWeese, Reclamation Hydrologist or me.

Sincerely,

A handwritten signature in cursive script, appearing to read "SCL".

Susan C. Linner
Reclamation Biologist/
Permit Supervisor

Attachments

c1

cc: M. DeWeese

BT53/26

Mr. Peter A. Rutledge, Chief
Division of Federal Programs
Western Field Operations
Office of Surface Mining
Brooks Towers, 1020 15th Street
Denver, Colorado 80202 Dear Mr. Rutledge:

Mr. Robert Hagen, Director
Office of Surface Mining, AFO
Reclamation and Enforcement
Suite 310, Silver Square
625 Silver Avenue, S. W.
Albuquerque, New Mexico 87102 Dear Mr. Hagen:

Mr. J. Kent Taylor, District Ranger
U.S. Forest Service
Fishlake National Forest
170 North Main
Richfield, Utah 847701 Dear Mr. Taylor:

Mr. Gene Nodine, District Manager
Bureau of Land Management
Moab District Office
P. O. Box 970
Moab, Utah 84532 Dear Mr. Nodine:

Mr. Randy Heuscher, Chief
Branch of Mining & Solid Minerals
Bureau of Land Management
Utah State Office
324 South State, Suite 301
Salt Lake City, Utah 87111-2303 Dear Mr. Heuscher:

Mr. Clark Johnson, Field Supervisor
U.S. Fish & Wildlife Service
Ecological Services
2060 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104-5110 Dear Mr. Johnson:

Mr. Darron Haddock
Utah Division Oil, Gas, and Mining
Price Field Office
451 East 400 North
Price, Utah 84501-2699 Dear Mr. Haddock:"

Mr. Donald Pendleton
District Manager
Bureau of Land Management
Richfield District
P. O. Box 768
Richfield, Utah 84701 Dear Mr. Pendleton:

Mr. George Morris, Forest Supervisor
U.S. Forest Service
Manti-LaSal National Forest
599 West Price River Road
Price, Utah 84501 Dear Mr. Morris:

9. Main Mine Fan Diversion

The main mine fan is located in a depression which is nine feet below the adjacent mine yard drainage system. The area of the depression is 0.23 acres. A sump pump with automatic float controls in front of the main fan will pump the runoff from this area into the yard drain line which discharges into the sediment control facilities.

10. East Spring Canyon Bypass Culvert Emergency Diversion at Fan

When the East Spring Canyon bypass culvert trash rack plugs up with debris during a very large flow event, the water overflows and ponds in the low area around the fan. This has caused flooding of the main mine fan controls. Normal runoff for the 10 year, 24 hour event into this low area is handled by the Main Mine Fan Diversion pump (Item #9). This secondary emergency diversion consists of a large 3.5 foot square drop drain with an oil skimmer cap dropping into a 48" CMP culvert directed into the East Spring Canyon 72" bypass culvert. The drop drain is installed such that a 1.5 foot free board is maintained above the normal operating level of the pump and will only be used if the precipitation event is greater than a 10 year, 24 hour event.

11. Topsoil Stockpile Diversion

The runoff from a small area (0.105 acres) located below the sediment pond consisting of the small amount of topsoil removed and stockpiled from the area where the minesite sediment pond was constructed is diverted below the sediment pond facility in accordance with the small area exemption criteria. This area is protected by alternative sediment control measures in the form of sparse quick growing vegetative cover and a silt fence installed below the stockpile to help trap sediment runoff coming off the stockpile. This area should have no problem meeting effluent limitations.

Riprap sizes used in minesite diversions were sized in accordance with the table presented in the 1981 mine plan submittal, Comment 817.44, Volume 7. The design velocity calculations and assumptions used in conjunction with the chart were obtained from either the Merrick and Company Study, the Valley Engineering design, or SUFCo calculations as discussed in 1983 Completeness Response to Comment UMC 817.47, Volume 8.

UMC 817.23 Topsoil Storage:

All proposed topsoil substitutes are subject to UMC 817.23. Therefore, a plan to fulfill the requirement under this section must be submitted.

Response:

The only topsoil storage at the SUFCo operation is the small amount of topsoil removed under UMC 817.22 from the area where the sediment pond was constructed. This topsoil material was segregated and stockpiled. The stockpiled materials were selectively placed in a small area exemption pile on a stable surface area (0.105 acres) below the sediment pond within the permit area. This topsoil small area exemption stockpile is isolated with no means of access from the main surface area to protect the topsoil from contaminants and unnecessary compaction that would interfere with vegetation. A topsoil storage sign was installed at the base of the stockpile. The stockpile is protected from wind and water erosion. The small area exemption stockpile was promptly revegetated with a sparse quick growing vegetative cover and through other approved measures by installing a silt fence below the stockpile to help trap sediment runoff coming off the stockpile. This topsoil stockpile will not be moved or disturbed until required for redistribution during the final reclamation phase.

Since topsoil substitutes will not be located, determined acceptable, and purchased for use until the final reclamation phase of the SUFCo operation, no topsoil substitutes will be stored at the minesite.

The Applicant foresees no future disturbance at the SUFCo minesite of additional lands which would require topsoil storage. In the event additional disturbance is needed which would generate topsoil, a plan to store the segregated topsoil will be prepared and submitted for approval prior to initiation of such activities.