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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

October 16, 1989

(A COPY OF THIS LETTER WAS SENT TO THE FOLLOWING ATTACHED LIST)

Re: Final Approval, Amendment, Revised Water Monitoring Parameters,  
U.S. Fuel Company, Hiawatha Complex, ACT/007/011-89F, Folder #2,  
Carbon County, Utah

Enclosed is one (1) copy of U.S. Fuel Company's final approved plans for PAP Amendment, for the Hiawatha Complex Mine in Carbon County, Utah. This material should be used to update your file copy of the approved Permit Application Package (PAP) for this time.

The Division approved this permit change on October 5, 1989. If you have any questions or need information, please contact me or Lynn Kunzler, Reclamation Biologist at your earliest convenience.

Sincerely,

*SCL*

Susan C. Linner  
Reclamation Biologist/  
Permit Supervisor

c1  
cc: J. Helfrich  
L. Kunzler  
BT53/68

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

Mr. Robert Morgan, State Engineer  
Utah Division of Water Rights  
Utah Department of Natural Resources  
1636 West North Temple  
Salt Lake City, Utah 84116 Dear Mr. Morgan:

Mr. Mark E. Bailey  
Resource Area Manager  
Bureau of Land Management  
Price River Resource Area Office  
P. O. Box AB  
Price, Utah 84501 Dear Mr. Bailey:

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

Mr. Kenneth Alkema  
Department of Health  
Division of Environmental Health  
P. O. Box 2500  
Salt Lake City, Utah 84101 Dear Mr. Alkema:

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. Daron Haddock  
Utah Division Oil, Gas & Mining  
451 East 400 North  
Price, Utah 84501-2699 Dear Mr. Haddock:

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UMC 817.52 Groundwater Monitoring

DEPARTMENT OF  
ENVIRONMENTAL QUALITY

A groundwater inflow survey was conducted in the King IV mine in October 1983 to identify major sources of groundwater interception within the mine. Abandoned mines within the permit area are either permanently sealed or possess hazardous roof conditions and therefore, could not be surveyed.

Results of this survey are contained in Figure VII-1 as part of the response to UMC 783.15. U.S. Fuel Company will monitor each inflow point noted in the figure on a monthly basis where the inflow is greater than 1 gpm. Other inflows encountered in the future that exceed 1 gpm will also be monitored monthly. Data to be collected will include flow, specific conductance, temperature and pH. On a quarterly basis, samples will also be collected for analyses of other parameters listed in the DOGM guidelines for establishing groundwater monitoring programs. All data will be reported quarterly to DOGM.

As noted in Figure VII-1, a flow in excess of 50 gpm is currently intercepted in the King IV mine at the Bear Canyon fault. This area is now inaccessible due to hazardous conditions. If flows of similar magnitude are encountered during future mining operations, U.S. Fuel Company will notify DOGM as soon as possible.

Mine water discharged from the old Mohrland portal D001 (King No. 2) is covered by E.P.A. Permit No. UT-0023094. Monitoring requirements under this permit are listed in Table VII-3. Discharge points D002 and D010 are also monitored monthly according to Table VII-3.

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DIVISION OF  
OIL, GAS & MINING  
TABLE VII-3

**E.P.A. NPDES Water Monitoring Requirements**

<u>Effluent Characteristic</u>	<u>Monitoring Frequency</u>
Flow	Monthly
Total Suspended Solids	Monthly
Total Dissolved Solids	Monthly
Total Iron	Monthly
pH	Monthly
Oil and Grease	Monthly