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State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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Governor
Ted Stewart
Executive Director
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Division Director

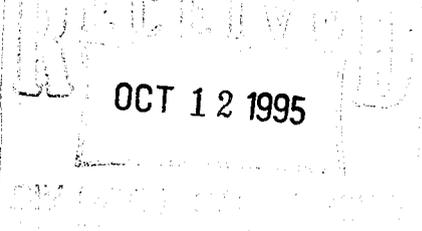
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ARAVA NATURAL RESOURCES

July 31, 1995



Michael P. Watson, President
United States Fuel Company
P. O. Box 887
Price, Utah 84501

RE: Hydrology Operation Plan Change, Hiawatha Mine, U.S. Fuel Company, ACT/007/011-95B, Folder #3, Carbon County, Utah

Dear Mr. Watson:

The aforementioned permit amendment has been assigned the number 95B.

Effective July 31, 1995, amendment 95B is approved as submitted.

Please submit 13 copies to the Division of Oil, Gas & Mining as soon as possible. Thank you.

Sincerely,

Peter Hess
Engineer II

sd

cc: J. Helfrich
P. Grubaugh-Littig

INCORPORATED

EFFECTIVE

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95B

UTAH DIVISION OIL, GAS AND MINING

R614-301-729

CUMULATIVE HYDROLOGIC IMPACT ASSESSMENT

This rule to be addressed by the Division with input provided by the Permit Application.

R614-301-730

OPERATION PLAN

R614-301-731

GENERAL REQUIREMENTS

731.100

HYDROLOGIC BALANCE PROTECTION

Surface-water and ground-water quality is protected by handling earth materials and runoff in a manner that minimizes acidic, toxic or other harmful infiltration to ground-water systems. The removal, handling, storage and transportation of overburden, excess spoil, coal mine waste, non-coal mine waste and underground development waste are discussed under R614-301-528 in Chapter V. The handling of coal processing waste is also discussed under R614-301-528. The characteristics, concentrations of trace elements and suitability of refuse material for reclamation is covered in detail in R614-301-231.200 (Chapter II, Soils). The nature and properties of overburden and excess spoil material existing in mine pads and their suitability for use in reclamation is described in R614-301-231.200. Tables II-13, II-14 and II-15 give soil lab analysis for these materials.

Sedimentation ponds, catch basins, disturbed and undisturbed drainage ditches, culverts, down-spouts, check dams and interim revegetation have been employed at various sites throughout the permit area to protect the hydrologic balance. Sediment pond designs, proposals and as-built drawings are covered in this chapter under R614-301-732. Catch basin implementations are discussed under Small Area Exemptions in Appendix V-8. Road drainage erosion control, culvert spacing, culvert down spouts and check dams are addressed under R614-301-527 and R614-301-732. Interim Reclamation is given in R614-301-331 and in Appendix V-7. Topsoil storage and protection is covered in R614-301-231.

To ensure compliance of all effluent parameters within the UPDES permit, U.S. Fuel will implement the following steps:

1. Monitor according to the UPDES Permit
2. Report monitoring results according to the UPDES Permit
3. When exceedances occur, report the exceedances according to the UPDES Permit.
4. Implement changes required when the Division of Water Quality approves changes to the UPDES permit.

