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

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February 4, 1998

TO: File

THRU: Joe Helfrich, Permit Supervisor *JH*

THRU: Daron Haddock, Permit Supervisor *DH*

FROM: Susan White, Senior Reclamation Biologist *SW*

RE: Punch List of Deficiencies, U.S. Fuel Company, Hiawatha Mine Complex, ACT/007/011-DO97A, Folder #2, Carbon County, Utah

SYNOPSIS

A Division Order (DO97A) was issued in February 1997 which required the Operator to address several permit deficiencies. Numerous submittal have been made in response to DO97A. These responses are dated February 5, April 15, May 20, May 23, May 27, May 28, June 27, August 1, and September 10, 1997. The following is a punch list of deficiencies and/or suggested approvals of the maps and plans submitted between April 15 and September 10.

Punch List of Deficiencies

R645-301-142. (General)

- Maps are not certified
- Cross sections do not go 100 feet beyond disturbed area.
- Railroad ROW must be included in the disturbed area boundary on all maps

R645-301-242.

- Provide a plan and time table for developing borrow sites during contemporaneous reclamation, including interim soil protection measures.
- Borrow area A should be surveyed for actual to date quantities used and remaining.

R645-301-341.

- Remove statement that seed and hydromulch will be spread in one application (pg.66, soils)

R645-301-354.

- Commit to permanent seeding only in the fall or winter when soil can be worked.

R645-301-411.140

- The permit must be corrected to acknowledge historic sites and sites eligible for the register within and adjacent to Permit Area.
- Maps and supporting narrative must be provided, describing the cultural and historic resources within and adjacent to the entire disturbed area which are listed, or eligible for listing, in the National Register of Historic Places. This will require a site inventory done by a person registered with State History. A description of any historic site within and adjacent to the disturbed area must be provided which details the protection and mitigation measures to be used during mining and reclamation activities.

R645-301-534.

- "Ancillary" road from the heavy equipment shop to the railroad crossing near junction of Slurry Pond #1 and Refuse Pile #1 should be primary.
- State Hwy 122, went to the Post Office. In 1993, at the request of U.S. Fuel the state abandoned in place this road. Is this road now considered a primary road? What road is permitted as access to the site and will be used for hauling coal?
- Reclamation of canyon roads will require some grading to reduce the width to a two track.

R645-301-542.

- Timetable V-7 is not correct Ponds 4 and 5 have not been completed.
- North Fork Reclamation should be modified to describe what actually occurred (i.e. no topsoil was respread).

R645-301-536.

- The cemetery must be cleaned of all coal mine waste. An attempt must be made to

locate the registry of the town and determine if the cemetery as currently seen is correct.

R645-301-550.

- Provide a plan with maps and cross sections for the Old Hiawatha No. 2 mine to be sealed and restored to approximate original contour after water line is no longer needed.
- Page 56 describes an 8 x 20 foot breakout associated with the King 5 Mine in the left fork of South Fork. The breakout was from in mine. It is stated that at final cessation the opening will be sealed from within with no further work. Has this been done? What is status? Potential Bat gate? Is this shown on a Map?

MAPS

R645-301-521.

Exhibit II-4, Soils and Vegetation, Hiawatha Processing Plant and Waste Disposal Sites

- Test plot should have a different symbol than the vegetation reference area.
- Reference area north of upper rail yard should have better coordinates for field location.
- Triangle area on Slurry Pond 5 at intersection of State Hwy 122 and County Road No. 338 should be hatched in red.

Exhibit V-4, Surface Facilities, North Fork

- The title is misleading, should state Existing Surface Facilities
- Need reclamation map with cross sections.
- Map of North Fork road with detail of drainage and spring crossings.
- Water pipeline and diversion should be included in the disturbed area boundary and the entire length of the pipeline shown on a map and marked as disturbed in the field.
- New portion of road must be removed to before the stream crossing.
- Buried 4" pipe must be removed.
- Culvert beneath pad must be remove and drainage restored. Detailed drawings of reclamation must be provided.
- Small strip north of road on pad should be shown with green hatch mark.

Exhibit V-9, Storage & Refuse Facilities, Hiawatha Processing Plant and Waste Disposal Sites

- Non-coal waste storage should not be located on top of a refuse pile.

- A small area for storage of waste oil and grease (noncoal waste) should be shown near the heavy equipment shop.
- Blue dashed line should be closed to show exact area of refuse storage.
- The railroad ROW should be included within the disturbed area boundary.
- Inactive areas of coal waste storage should be shown (i.e. Slurry Pond 5).

Exhibit V-9A, Post and Pre-Law, Hiawatha Processing Plant and Waste Disposal Sites

- The rail road ROW should be included within the disturbed area boundary.

Exhibit V-9B, Hydrology Map, Hiawatha Processing Plant and Waste Disposal Sites

- The areas which drain to the designated ASCA should be highlighted.
- The beginning of DD6 is unclear. Drainage just northeast of DD12 is not labeled.
- The railroad ROW should be shown as within the disturbed area boundary.

Exhibit V-9C, Reclamation and Topsoil Borrow Areas, Hiawatha Processing Plant and Waste Disposal Site

- Dates of seeding done would be helpful on the maps
- Railroad ROW should be shown as within the disturbed area boundary.

Exhibit V-9D, Final Hydrology Map, Hiawatha Processing Plant and Waste Disposal Sites

- Ditches and drainages should be labeled.
- Culverts under pad area should be removed. Cross sections should be provided for new drainages.
- Rail road ROW must be shown as within the disturbed area.
- A portion of the sheet flow from the top of reclaimed Slurry Pond 4 drains toward the railway ROW.

Exhibit V-13, Final Surface Configuration, Hiawatha Processing Plant and Waste Disposal Sites

- The underlaying operations map should be significantly lightened or deleted from this map to reduce confusion.
- The scale of this map does not provide sufficient detail for review. This map could possibly be made into three maps. Preferred scale is one inch equals 50' with 2' to 5' contour intervals.

- Cross sections should extend through the entire disturbed area and 100' on both ends.
- It is unclear between this Exhibit and Exhibit II-4 if Miller Creek and/or the embankments will be disturbed again when Sediment Pond 004 is removed.
- The railway ROW must be included in the disturbed area boundary.
- Cross sections for Slurry Pond No. 4 do not appear to depict actual surface configuration.

Exhibit V-5, Surface Facilities, Middle Fork

- This map should be approved.

Exhibit V-6, Storage and Waste Facilities, Middle Fork

- The cross section for "Typical Reclaimed Section" should be removed from this map prior to approval.

Exhibit V-6A, Post and Pre-Law, Middle Fork

- The tire storage area should be labeled as continuously used.

Exhibit V-7, Storage and Waste Facilities, South Fork

- Remove the green hatch storage designation from the coal stock pile area.
- What is the temporary coal waste storage area? Is this a refuse pile?

Exhibit V-7A, Post and Pre-Law, South Fork

- This map should be approved.

RECOMMENDATION

The above noted bullet items must be provided and/or corrected. Once corrected a technical analysis should be written. This technical analysis should include a review of the entire permit. Exhibit V-5 and V-7 should be approved and incorporated into the permit.