



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

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March 21, 1995

TO: File

FROM: Susan M. White, Senior Reclamation Biologist *SMW*

RE: Construct Overland Conveyor, February 2, 1995
Submittal, Cottonwood Mine, PacifiCorp, ACT/015/019,
File #2, Emery County, Utah

SYNOPSIS

PacifiCorp submitted a proposal to construct an overland tube conveyor from Trail Mountain Mine to the Cottonwood Mine on July 20, 1994. The Division responded with a listing of deficiencies in October 1994. This review and modification to the current technical analysis of the Cottonwood Mine is based on the February 2, 1995 response to those deficiencies.

Since the area of disturbance is minor, this proposal does not significantly change the current Technical Analysis for the Cottonwood Mine. The proposal did not specify any changes to the current revegetation plan contained in the approved permit. Generally, only some baseline information should be amended to the technical analysis.

HISTORIC AND ARCHEOLOGICAL RESOURCE INFORMATION

Regulatory Reference R645-301-411.

Analysis:

The Old Johnson Mine is located approximately 350 feet down canyon from the proposed conveyor area (Appendix III, page 5). The Old Johnson Mine site has been recorded as an historic resource and provided with the Smithsonian registration number 42Em1633. An analysis of the site by F.R. Hauck of AERC concluded that this mine is of historic significance and has the potential for nomination to the National Register. The Johnson Mine site includes two walled-in portals, a mine terrace associated with the portals, the remnants of a coal slide or



shute, a storage area under a rock walled boulder, an outhouse, and the old weigh house structure. The site is justified to the National Register Status as significant because it is an integral unit.

Findings:

A rough sketch of the Old Johnson Mine is given in the original 1983 site survey in Chapter 2 Attachment 6. Portals and "cabin" of the Old Johnson Mine are identified on Plate 3-16A. However, no single drawing shows the integral unit of the Old Johnson Mine in relation to the Cottonwood Fan Portal Area and proposed conveyor area.

Accordingly, the permittee has committed to comply with the requirements of the following Permit Condition, as specified, and in accordance with the requirements of:

R645-301-411.141, Cultural and Historic Resources Maps. The permittee must submit for inclusion in the permit a map of the entire Johnson Mine site on the Cottonwood Fan Portal Surface Facilities Map, Plate 3-16A.

VEGETATION RESOURCE INFORMATION

Regulatory Reference: R645-301-320.

Analysis:

Appendix III contains a vegetation report of the Cottonwood/Trail Mountain Portal area. The report describes the vegetation survey conducted for the connection conveyor area prior to disturbance. Total living cover for the proposed disturbed area was 35 percent. This compares statistically with the current Cottonwood Fan Portal Reference area which has a total living cover value of 42.75 percent. Total woody species density of the proposed connection conveyor area was 1,352 individuals per acre. The reference area survey indicated 624 individuals per acre. Productivity was estimated at 1800 pounds forage per acre based on the reference area in October 1989 (page 2-158.1).

Findings:

Sufficient information is provided to predict the potential for establishing vegetation and providing a success standard for revegetation.

RECOMMENDATION

The deficiency identified under **HISTORIC AND ARCHEOLOGICAL RESOURCE INFORMATION**, R645-301-411.141 must be addressed either prior to approval of the amendment or stipulated as part of the amendment approval.

cc: Daron Haddock

H: CONVEYOR.SUE