



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

February 18, 2000

To: Internal File

From: Stephen J. Demczak, Reclamation Specialist III, Team Lead *Sm for SJD*

RE: 12-Inch Culvert Installation, Andalex Resources, Wildcat Loadout, ACT/007/033-00A

SUMMARY:

The permittee plans to install a 12-inch half round culvert within the disturbed area to remove water which has a tendency to accumulate behind a berm due to a low area of elevation. This will eliminate the potential of a berm breaching and drainage going outside the disturbed area.

The information found in the proposal is considered adequate to meet the requirements of the R645 Coal Rules.

TECHNICAL ANALYSIS:

OPERATION PLAN

HYDROLOGIC INFORMATION

Regulatory Reference: 30 CFR Sec. 773.17, 774.13, 784.14, 784.16, 784.29, 817.41, 817.42, 817.43, 817.45, 817.49, 817.56, 817.57; R645-300-140, -300-141, -300-142, -300-143, -300-144, -300-145, -300-146, -300-147, -300-147, -300-148, -301-512, -301-514, -301-521, -301-531, -301-532, -301-533, -301-536, -301-542, -301-720, -301-731, -301-732, -301-733, -301-742, -301-743, -301-750, -301-761, -301-764.

Analysis:

Diversions

The permittee had P.E. certification on both designs and the surface hydrology map as required by R645-301-712.

The permittee has submitted a design and ran a computer program showing that the culvert is properly sized to handle the drainage area. This meets the requirements of R645-301-732.300

Findings:

The requirements of this section of the regulations are considered adequate in regard to the proposed permit change for the addition of a 12-inch half round culvert within the disturbed area.

RECOMMENDATION:

This amendment is considered adequate and meets the requirements of the R645 Coal Rules. Therefore, approval should be given.