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DEPARTMENT OF NATURAL RESOURCES
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July 10, 1990

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Tom Munson, Sr. Reclamation Hydrologist

RE: **TDN X-90-02-107-8 TV4, Andalex Resources, Inc., Wildcat Loadout, ACT/007/033, Folder #5, Carbon County, Utah**

Synopsis

This memo will reference the TDN by subparts and discuss what has been done to address these issues or what permitting action is taking place to address specific issues.

Analysis

(Part 1) The field work has been completed and the recertified plates were submitted to the Division on July 6, 1990.

(Part 2) Diversion UD-1 has been enlarged to meet the typical design approved in the Permit Application Package. The operator is working on permitting designs for the lower portion of Diversion UD-1 to replace the 15-inch riprap with a half-round culvert. At no place along that diversion is 9-inch riprap required under the current plans. This ditch was not eroding in its lower portion, but due to major regrading after every storm, a change in design has necessitated the implementation of a half-round culvert.

The permitting of a permanent impoundment is under review (Amendment ACT/007/033-90A) to verify hydrologic calculations and reclamation concerns regarding UD-1.

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(Part 3) All haul roads have been certified (see Plate 1, certified June 22, 1990).

(Part 4) The diversions associated with the coal processing waste pile will be recalculated for the 100-year, 6-hour design storm to verify their adequacy within the current rules. The operator has not submitted this calculation yet but is in the process of verifying the numbers. The coal processing waste pile has been refigured and has been constructed using the appropriate 24-inch lifts making it 450 feet long and 100 feet wide. All calculations will be verified by the Division (permit defect ACT/007/033-90B).

Other Issues of Concern

Items From OSM Letter

(8) A recommendation will be made to the operator to move water monitoring stations to appropriate locations more representative of undisturbed drainage. WCW-3 could be moved above the permanent impoundment out of UD-1.

(9) The west inlet, a 12-inch CMP, was plugged with coal fines. This was cleaned and taken care of during the inspection.

(10) An additional row of straw bales to control fines was installed in the area east of Sediment Pond B.

It has been noted that the operator has been extremely cooperative in maintaining this site and is always attempting to improve the site to decrease maintenance. All issues have been promptly taken care of in a timely manner. Any permitting issues left outstanding will be tracked and processed in a timely manner.

djh
cc: M. Glasson, Andalex
B. Malencik, DOGM, PFO
AT46/29-30