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# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
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*fid*

October 21, 1988

TO: John Whitehead, Permit Supervisor  
FROM: Jim Fricke, Reclamation Hydrologist *JF*  
RE: Wildcat Fourth Completeness Review, Andalex Resources, Inc., Wildcat Loadout, PRO/007/033, Folder #2, Carbon County, Utah

UMC 783.16 Surface Water Information - (JRF)

In the September 26, 1988 Third Completeness Review for the Wildcat Loadout, the Division requested baseline water monitoring data. On August 13, 1988 the Wildcat Loadout received a summer thunderstorm. Sufficient rainfall occurred to produce heavy runoff as observed by site personnel (personal communication, John Pappas, Wildcat Loadout foreman).

In the October 14, 1988 Completeness Response, the applicant responded to the baseline water monitoring request with "To the operator's knowledge, no rainfall events occurred that produced measureable runoff at the monitoring sites, during times when personnel were on site, during the second and third quarters." It appears that the "operator" does not have knowledge of rainfall events at the loadout site. Furthermore, it appears that the applicant is not pursuing water monitoring in good faith. The Division should issue appropriate enforcement action.

UMC 783.24 Maps: General Requirements - (JRF)

Once again, all of Diversion UD-1 is not in the permit area. The proposed extension of UD-1 must be included in the permit area.

UMC 817.56 Hydrologic Balance: Postmining Rehabilitation of Sedimentation Ponds, Diversions, Impoundments, and Treatment Facilities - (JRF)

The following technical deficiencies exist for postmining diversions:

Page 2  
Memo to J. Whitehead  
PRO/007/033  
October 21, 1988

1. Figure IV-3 cross-sectional area is 1.5 feet squared (calculated with .3' of freeboard); as such, Diversions RD-1, 2, 4, 5, 6 and 7 will not contain the design event.
2. Submit minimum and maximum riprap stone sizes (D15, D85).
3. Depth of riprap must be 1.5 times D85.
4. Plate 8 legend gives reconstructed ditch widths as 6.0 feet, while Figure IV-3 gives 4.0 feet.
5. Plate 8 shows loose-rock checkdams on all ditches; Plate 9 does not show the checkdams for final reclamation. Please clarify.
6. Ditch configurations change from Plate 8 to Plate 9 without discussion in the text. Please clarify.
7. Delineate extent of riprap on Plates 8 and 9 for all ditches.
8. The drainage control berms are unacceptable; the applicant should consider using ditches to control overland flow.

djh  
AT9/29-30

*See also 11/14 memo*