

TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

October 27, 2006

TO: Internal File

THRU: Pamela Grubaugh-Littig, Permit Supervisor, Task Manager *pgl*
Karl R. Houskeeper, Environmental Scientist/Engineering, Team Lead *KRH by an*

FROM: *SJC* Steve K. Christensen, Environmental Scientist/Hydrology

RE: Left Fork Fan Area As-Built Map, Andalex Resources, Inc., Centennial Project, C/007/019, Task ID #2640

SUMMARY:

On September 9th, 2006, the Division of Oil, Gas and Mining (the Division) received copies of an as-built drawing for the fan facility located in the Left Fork of Deadman Canyon. The fan complex was originally approved by the Division in 1995. The construction of the fan facility took place primarily in 1996; however, was not completed until the summer of 2006.

The fan facility consists of the fan house itself, a small fenced substation, and three portals. Up until the construction season in the summer of 2006, there were only two portals at the fan complex. Andalex Resources, Inc. (the Permittee) determined that the addition of a third portal (as originally approved by the Division) would make the installations air venting capacity more efficient.

The following memo addresses the hydrology requirements as provided in the State of Utah R645-Coal Mining Rules.

TECHNICAL ANALYSIS:

OPERATION PLAN

MAPS, PLANS, AND CROSS SECTIONS OF MINING OPERATIONS

TECHNICAL MEMO

Analysis:

Mining Facilities Maps

The Permittee submitted an as-built drawing for the fan facilities located in the Left Fork of Deadman Canyon. The drawing was field verified by Division personnel on October 19th, 2006. The drawing "Left Fork Fan Area As-Constructed (Appendix W)" is to be incorporated into Appendix W.

Upon review of the MRP, it was determined that there is no as-constructed map/drawing for the facilities located in the Left Fork of Deadman Canyon. Upon discussions with Mike Glasson of Anadlex Resources, Inc., it was determined that an as-built map depicting the facilities in the Left Fork of Deadman Canyon should be included in the main body of the MRP.

Certification Requirements

The submitted drawing was prepared and certified by a registered professional engineer.

Findings:

The application does not meet the Maps, Plans and Cross Sections of Mining Operations requirements for Mining Facilities Maps as required under R645-301-731. The Permittee should provide an as-built map/drawing that depicts the facilities in the Left Fork of Deadman Canyon within the body of the MRP. Plate 6 "As Constructed Surface Facilities, Dead Man Canyon" does not depict the fan facility in the Left Fork of Dead Man Canyon.

The hydrologic information provided in the application does not meet the requirements of the R645-Coal Mining Rules. The application should not be approved until the following deficiency is addressed:

R645-301-731: The Permittee should provide an as-built map/drawing that depicts the facilities in the Left Fork of Deadman Canyon within the main body of the MRP.

RECOMMENDATIONS:

The hydrologic information provided in the application does not meet the State of Utah R645-Coal Mining Rules. The application should not be approved at this time.