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Governor

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Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

April 25, 2017

Karin Madsen, Resident Agent
Andalex Resources
P.O. Box 910
East Carbon, Utah 84520-0910

Subject: Removal of Monitoring Points, Andalex Resources, Centennial Mine,
C/007/0019, Task ID #5440

Dear Ms. Madsen:

The Division has reviewed your application. The Division has identified deficiencies that must be addressed before final approval can be granted. The deficiencies are listed as an attachment to this letter.

The deficiencies authors are identified so that your staff can communicate directly with that individual should questions arise. The plans as submitted are denied. Please resubmit the entire application.

If you have any questions, please call me at (801) 538-5325.

Sincerely,

Daron R. Haddock
Coal Program Manager

DRH/sqs

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Technical Analysis and Findings

Utah Coal Regulatory Program

PID: C0070019
TaskID: 5440
Mine Name: CENTENNIAL MINE
Title: REMOVAL OF MONITORING POINTS

General Contents

Permit Application Format and Contents

Analysis:

The amendment does not meet the State of Utah R645 requirements for Clear and Concise.

The amendment includes an incomplete C1/C2 form. The 'Detailed Schedule of Changes to the MRP' form does not indicate if pages are being Added, Replaced, or Removed from the MRP. These columns must be appropriately filled out in order to document changes to the MRP.

Deficiencies Details:

R645-301-121.200: The amendment does not meet the State of Utah R645 requirements for Clear and Concise. The following deficiency must be addressed prior to final approval:

The amendment includes an incomplete C1/C2 form. The 'Detailed Schedule of Changes to the MRP' form does not indicate if pages are being Added, Replaced, or Removed from the MRP. These columns must be appropriately filled out in order to document changes to the MRP.

kstorrar

Operation Plan

Hydrologic Ground Water Monitoring

Analysis:

The amendment meets the State of Utah R645 requirements for Ground Water Monitoring.

The amendment does not propose to change the approved the ground water monitoring plan. The operator will continue to monitor Well #1 screened in the Aberdeen Sandstone aquifer. This aquifer sits directly below the coal seam.

kstorrar

Hydro Surface Water Monitoring

Analysis:

The amendment meets the State of Utah R645 requirements for Surface Water Monitoring.

The amendment does not propose to change the approved surface water monitoring plan. The operator will continue to monitor flow at multiple locations in Deadman Canyon as well as spring S18-1 in Deadman Canyon. This is an adequate surface water monitoring program while the mine is in temporary cessation.

kstorrar

Maps Monitoring and Sampling Locations

Analysis:

The amendment does not meet the State of Utah R645 for Monitoring Location Maps.

A label for a stream monitoring site must be corrected on Plate 7-8. It appears stream site 18-2 is mislabeled on Plate 7-8. This site is part of the Former Tower Water Monitoring Sites that were released from the water monitoring program in 2009. The center of the circle should not be filled, it should be hollow to indicate it is not part of the current water monitoring program.

Deficiencies Details:

The amendment does not meet the State of Utah R645 for Monitoring Location Maps. The following deficiencies must be addressed prior to final approval:

A label for a stream monitoring site must be corrected on Plate 7-8. It appears stream site 18-2 is mislabeled on Plate 7-8. This site is part of the Former Tower Water Monitoring Sites that were released from the water monitoring program in 2009. The center of the circle should not be filled, it should be hollow to indicate it is not part of the current water monitoring program.

kstorrar