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State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

April 11, 2016

Karin Madsen, Resident Agent
UtahAmerican Energy, Inc.
P.O. Box 910
East Carbon, Utah 84520-0910

Subject: IBC for New Ventilation Breakout, UtahAmerican Energy, Inc., Horse Canyon Mine, C/007/0013, Task ID #5081

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: C0070013
TaskID: 5081
Mine Name: HORSE CANYON MINE
Title: IBC FOR NEW VENTILATION BREAKOUT

General Contents

Right of Entry

Deficiencies Details:

The amendment does not meet the State of Utah R645 requirements for General: Right of Entry. The following deficiencies must be addressed prior to final approval:

R645-301-114 A description of the documents upon which the Permittee bases their legal right to mine coal and create new surface disturbances within the proposed additional 40 acres must be provided. The legal description of these areas must also be updated in Chapter 1 of the MRP.

adaniels

Operation Plan

Mining Operations and Facilities

Deficiencies Details:

R645-301-121.200, R645-301-521.100: The Permittee will either amend the text to state the historic cross references to Part A drawings or leave the Parts A and B within the MRP chapter 5 Section 521.111, 521.120, 521.212, 521.122, 521.124, 521.152, 526.110, 553.500

R645-301-521: The Permittee must update the MRP to provide clear narratives and engineered designs for the breakout pad.

cparker

Fish and Wildlife Endangered and Threatened

Deficiencies Details:

The information in the application is not adequate to meet the requirements of this section of the regulations. Prior to approval the following information is required in accordance with R645-301-322;

The application should include a commitment to conduct the appropriate survey(s) to verify the presence or absence of listed or proposed endangered or threatened plant and animal species or their habitats as well as areas of high value

habitat.

jheltric

Hydrologic General

Deficiencies Details:

The amendment does not meet the State of Utah R645 requirements for Hydrologic: General. The following deficiencies must be addressed prior to final approval:

R645-301-730 The amendment must address the R645 hydrology rules associated with the proposed surface disturbance of the breakouts.

R645-301-700 The references to "Part A" of the permit area must remain in the MRP, since this information is still necessary for historical reference.

R645-301-722 Maps must be clear and legible. The submitted plates are of poor resolution, making review difficult.

R645-301-722 Detailed maps of the proposed surface disturbance associated with the breakouts must be provided.

adaniels

Maps Mine Workings

Deficiencies Details:

R645-301-121.200, R645-301-521.140: The Permittee shall amend Plate 5-5 color scheme to be more clear (different color grid).

cparker

Reclamation Plan

General Requirements

Deficiencies Details:

R645-301-512.200, R645-301-542.700, R645-301-551: The Permittee will amend appropriate sections within Chapter 5 Sections 540 to details how the breakout pads will be reclaimed to the typical drawing shown in Appendix 5-6.

cparker

Approximate Original Contour Restoration

Deficiencies Details:

R645-301-512.200, -553.110 through -553.150, R645-301-542.700 and R645-302-270: The Permittee will amend appropriate sections within Chapter 5 Sections 540 to details how the breakout pads will be reclaimed to the typical drawing shown in Appendix 5-6.

cparker

Backfill and Grading General

Deficiencies Details:

R645-301-512.200, -553.110 through -553.150, R645-301-542.700 and R645-302-270: The Permittee will amend appropriate sections within Chapter 5 Sections 540 to details how the breakout pads will be reclaimed to the typical drawing shown in Appendix 5-6 to achieve a minimum long term static safety factor of 1.3.

cparker

Mine Openings

Deficiencies Details:

R645-301-513.500, R645-301-529, R645-301-542.700, and R645-301-551: The Permittee will provide a typical sealing representative of the breakout seals and additional narrative detailing how backfill grading will be achieved.

cparker

Topsoil and Subsoil

Deficiencies Details:

Deficiency:

R645-301-233, Please provide a volume estimate and source for the suitable fill that will be required to reclaim the IBC breakout highwall and include a figure for the IBC breakouts similar to Plate 5-9 which shows pre-existing, operating and final reclamation contours for the breakout.

pburton

Bonding Form of Bond

Deficiencies Details:

R645-301-860.100: The Permittee shall provide updated bond costs and surety information.

cparker

Bonding Determination of Amount

Deficiencies Details:

R645-301-830.140: The Permittee shall submit detailed line item estimates of reclamation for the surface disturbances associated with the breakout pad. The estimate should be in 2013 Dollars and include any grading of the berms/portals and seal construction associated with the breakout.

cparker