



## Alton Coal Development, LLC

463 North 100 West, Suite 1

Cedar City, Utah 84720

Phone (435) 867-5331 • Fax (435) 867-1192

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12/02/2016

Daron R. Haddock  
Coal Program Manager  
Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84114-5801

Subject: **2016 OSM Over-site Inspection, Alton Coal Development, LLC, Coal Hollow Mine, Kane County, Utah, C/025/0005**

Dear Mr. Haddock,

Alton Coal Development, LLC (ACD) is submitting this amendment in response to the June 13, 2016 OSM over-site inspection. Seven items in the inspection report were identified as requiring updates to the plan. They were addressed as follows. They were addressed in an earlier submittal. Following acceptance and submittal of the clean copies, a request to amend the table located in Chapter 3, page 3-53 and the text on page 3-50 was made by Division personal. Those changes have been made in this submittal.

Changes to the MRP associated with this amendment have been uploaded to the DOGM's server for review. Upon approval, 2 (two) clean hard copies of the text for insertion into the MRP will be submitted. Please do not hesitate to contact me if you have any questions 435-691-1551.

Sincerely

B. Kirk Nicholes  
Environmental Specialist

## APPLICATION FOR COAL PERMIT PROCESSING

Permit Change  New Permit  Renewal  Exploration  Bond Release  Transfer

Permittee: Alton Coal Development, LLC

Mine: Coal Hollow Mine

Permit Number:

C/025/0005

Title: 2016 OSM Over-site Inspection

Description, Include reason for application and timing required to implement:

**Instructions:** If you answer yes to any of the first eight questions, this application may require Public Notice publication.

- Yes  No 1. Change in the size of the Permit Area? Acres: \_\_\_\_\_ Disturbed Area: \_\_\_\_\_  increase  decrease.
- Yes  No 2. Is the application submitted as a result of a Division Order? DO# \_\_\_\_\_
- Yes  No 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area?
- Yes  No 4. Does the application include operations in hydrologic basins other than as currently approved?
- Yes  No 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond?
- Yes  No 6. Does the application require or include public notice publication?
- Yes  No 7. Does the application require or include ownership, control, right-of-entry, or compliance information?
- Yes  No 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
- Yes  No 9. Is the application submitted as a result of a Violation? NOV # \_\_\_\_\_
- Yes  No 10. Is the application submitted as a result of other laws or regulations or policies?

*Explain:* \_\_\_\_\_

- Yes  No 11. Does the application affect the surface landowner or change the post mining land use?
- Yes  No 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2)
- Yes  No 13. Does the application require or include collection and reporting of any baseline information?
- Yes  No 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
- Yes  No 15. Does the application require or include soil removal, storage or placement?
- Yes  No 16. Does the application require or include vegetation monitoring, removal or revegetation activities?
- Yes  No 17. Does the application require or include construction, modification, or removal of surface facilities?
- Yes  No 18. Does the application require or include water monitoring, sediment or drainage control measures?
- Yes  No 19. Does the application require or include certified designs, maps or calculation?
- Yes  No 20. Does the application require or include subsidence control or monitoring?
- Yes  No 21. Have reclamation costs for bonding been provided?
- Yes  No 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream?
- Yes  No 23. Does the application affect permits issued by other agencies or permits issued to other entities?
- Yes  No 24. Does the application include confidential information and is it clearly marked and separated in the plan?

**Please attach three (3) review copies of the application. If the mine is on or adjacent to Forest Service land please submit four (4) copies, thank you.** (These numbers include a copy for the Price Field Office)

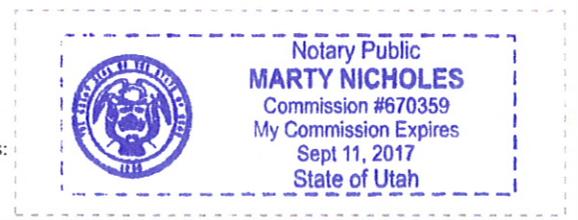
I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

B. Kirk Nicholes                      Environmental Specialist                      11/18/2016                      *B. Kirk Nicholes*  
 Print Name                                      Position                                      Date                                      Signature (Right-click above choose certify then have notary sign below)

Subscribed and sworn to before me this 18 day of November, 2016

Notary Public: *Marty Nicholes*, state of Utah.

My commission Expires: 9-11-2017  
 Commission Number: 670359  
 Address: 11670 E Millstone Cir  
 City: Enoch State: UT Zip: 84721



<p><b>For Office Use Only:</b></p>	<p><b>Assigned Tracking Number:</b></p>	<p><b>Received by Oil, Gas &amp; Mining</b></p>
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### 353. REVEGETATION: GENERAL REQUIREMENTS

ACD will establish on re-graded areas and on all other disturbed areas, except water areas and surface areas of roads that are approved as part of the postmining land use, a vegetative cover that is in accordance with the mine permit and reclamation plan.

#### 353.100. Vegetative Plant Cover Qualities

#### 353.110. Diverse, Effective, & Permanent

The vegetation cover established at final reclamation will be diverse, effective and permanent. MacArthur's Diversity Index will be used to determine diversity.

#### 353.120. Native Plant Species

The cover will be comprised of species native to the area, or of introduced species where desirable and necessary to achieve the approved postmining land use and approved by the DOGM (see Table 3-37 *through* 3-43).

#### 353.130. Final Vegetation Cover & Quantities

The final cover will be at least equal in extent of cover to the natural vegetation of the area, or those standards set for final revegetation success.

#### 353.140. Vegetation Cover and Soil Stabilization

The cover will be capable of stabilizing the soil surface from erosion.

353.200. The reestablished plant species will also contain the qualities listed below.

353.210. (a) Be compatible with the approved postmining land use.

353.220. (b) Have the same seasonal characteristics of growth as the original vegetation.

353.230. (c) Be capable of self-regeneration and plant succession.

353.240. (d) Be compatible with the plant and animal species of the area.

353.250. (e) Meet the requirements of applicable Utah and federal seed, poisonous and noxious plant; and introduced species laws or regulations.

#### 353.300. Vegetative Cover Exceptions

DOGM may grant exception to the requirements of R645-301-353.220 and R645-301-353.230 when the species are necessary to achieve a quick-growing, temporary,

Revegetation success standards and postmining land uses at the Coal Hollow Mine, Utah			
<b>COAL HOLLOW LEASE</b>			
<b>RECLAIMED AREA</b>	<b>TOTAL LIVING COVER<sup>(1)</sup></b>	<b>WOODY SPECIES DENSITY</b>	<b>PRODUCTION</b>
Sagebrush/Grass <sup>(2)</sup>	Sagebrush/Grass Reference Area	10% of the total value in the Sagebrush/Grass Reference Area <sup>(3)</sup>	Sagebrush/Grass Reference Area
Pasture Land <sup>(4)</sup>	64.50% <sup>(5)</sup>	No woody species density standard	1,100 lbs/ac <sup>(6)</sup>
Pinyon-Juniper <sup>(2)</sup>	49.75% <sup>(7)</sup>	10% of the total value in the Pinyon-Juniper Reference Area <sup>(3)</sup>	700 lbs/ac <sup>(8)</sup>
Meadow <sup>(2)</sup>	Meadow Reference Area	10% of the total value in the Meadow Reference Area <sup>(3)</sup>	Meadow Reference Area
Oak Brush <sup>(2)</sup>	Oak Brush Reference Area	10% of the total value in the Oak Brush Reference Area <sup>(3)</sup>	Oak Brush Reference Area
Meadow (Dry) <sup>(2)</sup>	Meadow (Dry) Reference Area	10% of the total value in the Meadow (Dry) Reference Area <sup>(3)</sup>	Meadow (Dry) Reference Area
<b>NORTH PRIVATE LEASE</b>			
Pasture Land <sup>(4)</sup>	64.50% <sup>(5)</sup>	No woody species density standard	1,100 lbs/ac <sup>(6)</sup>
Sagebrush Drainage <sup>(4)</sup> Sagebrush within the incised channels west of Kanab Creek channel (i.e. Sample Site: V-07)	Sagebrush Drainage Reference Area (Sample Site: V-03)	10% of the total value Sagebrush Drainage Reference Area <sup>(3)</sup> (Sample Site: V-03)	Sagebrush Drainage Reference Area (Sample Site: V-03)
Wetlands <sup>(4)</sup>	U.S. Army COE standards	U.S. Army COE standards	U.S. Army COE standards

<sup>(1)</sup> Cover will be diverse, effective and permanent as required in R645-301-353.110.

<sup>(2)</sup> Postmining land use is primarily domestic grazing with limited wildlife use.

<sup>(3)</sup> Can include shrubs and subshrubs. Rabbitbrush (*Chrysothamnus nauseosus*) cannot account for more than 10% of the total density.

<sup>(4)</sup> Postmining Land use is domestic grazing.

<sup>(5)</sup> This is the average total living cover measured for all Pasture Lands sampled (see Appendix 3-4 and Volume 12 for Pasture Land cover data).

<sup>(6)</sup> Refer to Volume 12, Table 43 for production information.

<sup>(7)</sup> Average total living cover of the Pinyon-Juniper and Sagebrush/Grass Reference Areas from that includes overstory and understory combined (from the 2006 and 2007 datasets).

<sup>(8)</sup> As recommended by DOGM biologists and soil scientist.