

Alton Coal Development, LLC

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Cedar City, Utah 84720

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11/18/2016

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 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.

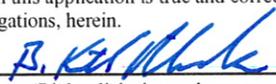
- Yes No 1. Change in the size of the Permit Area? Acres: _____ Disturbed Area: _____ increase decrease.
 Yes No 2. Is the application submitted as a result of a Division Order? DO# _____
 Yes No 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area?
 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: _____

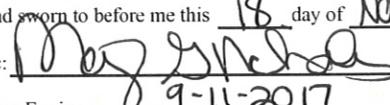
- Yes No 11. Does the application affect the surface landowner or change the post mining land use?
 Yes No 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2)
 Yes No 13. Does the application require or include collection and reporting of 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 
 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: , state of Utah.

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



For Office Use Only:	Assigned Tracking Number:	Received by Oil, Gas & Mining
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Revegetation success standards and postmining land uses at the Coal Hollow Mine, Utah

COAL HOLLOW LEASE

RECLAIMED AREA	TOTAL LIVING COVER	WOODY SPECIES DENSITY	PRODUCTION	DIVERSITY
Sagebrush/Grass ⁽⁶⁾	Sagebrush/Grass Reference Area	10% of the total value in the Sagebrush/Grass Reference Area ⁽¹⁾	Sagebrush/Grass Reference Area	<u>Forbs</u> ⁽²⁾ - must be at least equal to the Sagebrush/Grass Reference Area. <u>Grasses</u> ⁽³⁾ - must be at least equal to the Sagebrush/Grass Reference Area.
Pasture Land ⁽⁷⁾	64.50% ⁽⁵⁾	No woody species density standard	1,100 lbs/ac ⁽⁸⁾	A minimum of 3 native perennial grasses must be present with a frequency value of at least 20%.
Pinyon-Juniper ⁽⁶⁾	49.75% ⁽⁴⁾	10% of the total value in the Pinyon-Juniper Reference Area ⁽¹⁾	700 lbs/ac ⁽⁹⁾	<u>Forbs</u> ⁽²⁾ - must be at least equal to the Pinyon-Juniper Reference Area. <u>Grasses</u> ⁽³⁾ - must be at least equal to the Pinyon-Juniper Reference Area.
Meadow ⁽⁶⁾	Meadow Reference Area	10% of the total value in the Meadow Reference Area ⁽¹⁾	Meadow Reference Area	<u>Forbs</u> ⁽²⁾ - must be at least equal to the Meadow Reference Area. <u>Grasses</u> ⁽³⁾ - must be at least equal to the Meadow Reference Area
Oak Brush ⁽⁶⁾	Oak Brush Reference Area	10% of the total value in the Oak Brush Reference Area ⁽¹⁾	Oak Brush Reference Area	<u>Forbs</u> ⁽²⁾ - must be at least equal to the Oak Brush Reference Area. <u>Grasses</u> ⁽³⁾ - must be at least equal to the Oak Brush Reference Area.
Meadow (Dry) ⁽⁶⁾	Meadow (Dry) Reference Area	10% of the total value in the Meadow (Dry) Reference Area ⁽¹⁾	Meadow (Dry) Reference Area	<u>Forbs</u> ⁽²⁾ - must be at least equal to the to the Meadow (Dry) Reference Area <u>Grasses</u> ⁽³⁾ - must be at least equal to the Meadow (Dry) Reference Area.

NORTH PRIVATE LEASE

Pasture Land ⁽⁷⁾	64.50% ⁽⁵⁾	No woody species density standard	1,100 lbs/ac ⁽⁸⁾	A minimum of 3 native perennial grasses must be present with a frequency value of at least 20% and 1 perennial forb with a frequency value of at least 10%.
Sagebrush Drainage ⁽⁷⁾ 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 ⁽¹⁾ (Sample Site: V-03)	Sagebrush Drainage Reference Area (Sample Site: V-03)	<u>Forbs</u> ⁽²⁾ - must be at least equal to the Sagebrush Drainage Reference Area ⁽¹⁾ (Sample Site: V-03). <u>Grasses</u> ⁽³⁾ - must be at least equal to the Sagebrush Drainage Reference Area.
Wetlands ⁽⁷⁾	U.S. Army COE standards	U.S. Army COE standards	U.S. Army COE standards	U.S. Army COE standards

⁽¹⁾ Can include shrubs and subshrubs. Rabbitbrush (*Chrysothamnus nauseosus*) cannot account for more than 10% of the total density.

⁽²⁾ Recommended index: MacArthur=s Diversity Index for forbs.

⁽³⁾ Recommended index: MacArthur=s Diversity Index for grasses.

⁽⁴⁾ **Average total living cover of the Pinyon-Juniper and Sagebrush/Grass Reference Areas that includes overstory and understory combined (from the 2006 and 2007 datasets).**

⁽⁵⁾ 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).

⁽⁶⁾ Postmining land use is primarily domestic grazing with limited wildlife use.

⁽⁷⁾ Postmining Land use is domestic grazing.

⁽⁸⁾ Refer to Volume 12, Table 43 for production information.

⁽⁹⁾ **As recommended by DOGM biologists and soil scientist.**