

PERMIT TRACKING FORM

- Permit Amendment(INS)
 Exploration Permit(INS)
 N.O.V. (INS)
 D.O.
 Permit Transfer
 Incidental Boundary Change
 Permit Midterm (MT)
 Permit Renewal (PR)
 New Permit
 Significant Revision (SR)
 Bond Release (BR)

DATE RECEIVED 3/20/97	By: SW (Initial)	PERMIT NUMBER	INA/015/004
Title of Proposal: Success Standard		PERMIT CHANGE #	97A
Description: Change success standards for Phase III bond release.		PERMITTEE	MOUNTAIN COAL CO.
# Copies Required 5	# Copies Received 5	MINE NAME	HUNTINGTON CANYON #4

PERMIT CHANGE APPLICATION SENT TO SLC DATE: _____ LETTER TO PERMITTEE: _____

<input checked="" type="checkbox"/> 15 DAY INITIAL RESPONSE TO PERMIT CHANGE APPLICATION OR INITIAL COMPLETENESS REVIEW	DATE DUE	DATE DONE	LETTER TO PERMITTEE:
	4/11/97	4/8/97	4/9/97
<input type="checkbox"/> Notice of Affidavit of Publication. (If change is a Significant Revision, New Permit or Permit Transfer)	DATE DUE:	DATE DONE	PUBLIC COMMENT RECEIVED:

PRICE REVIEW TRACKING NA	REVIEW		SLC REVIEW TRACKING	REVIEW	
	DUE	DONE		DUE	DONE
<input type="checkbox"/> Lead <input type="checkbox"/> Generalist			<input checked="" type="checkbox"/> Lead SW		
<input type="checkbox"/> Administrative			<input type="checkbox"/> Administrative		
<input type="checkbox"/> Land Use/AQ			<input type="checkbox"/> Land Use/AQ		
<input type="checkbox"/> Biology			<input checked="" type="checkbox"/> Biology SW	4/11/97	4/8/97
<input type="checkbox"/> Engineering			<input type="checkbox"/> Engineering		
<input type="checkbox"/> Geology			<input type="checkbox"/> Geology		
<input type="checkbox"/> Soils			<input type="checkbox"/> Soils		
<input type="checkbox"/> Hydrology			<input type="checkbox"/> Hydrology		

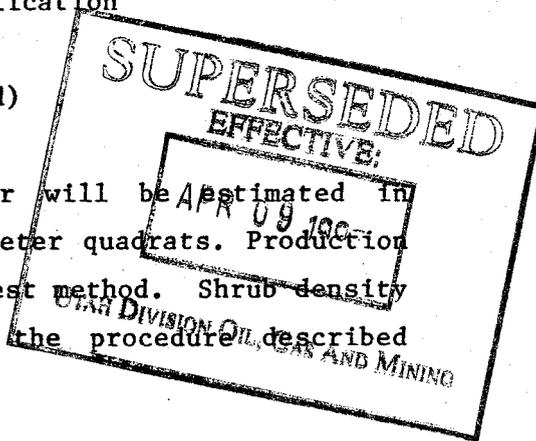
TA Review Due	Date:	Permittee Response Due	Date:	DIVISION DECISION LETTER <input type="checkbox"/> APPROVE <input type="checkbox"/> DENY
		<input type="checkbox"/> Stipulation <input type="checkbox"/> Condition <input type="checkbox"/> No Requirements		
TA Review Done	Date:	Response Received	Date:	Date:

COORDINATED REVIEWS	PHONE CONTACT	SENT	DUE	RECEIVED	ADDITIONAL TRACKING	Date:
<input type="checkbox"/> OSMRE					PUBLIC HEARING	
<input type="checkbox"/> US Forest Service (2C)					LETTER FROM COMPLIANCE SUPER.	
<input type="checkbox"/> BLM					AVS COMPLETED	
<input type="checkbox"/> US FWS					APPROVAL EFFECTIVE DATE	
<input type="checkbox"/> US NPS					APPROVED COPY TO FILE	
<input type="checkbox"/> UT SHPO					APPROVED COPY TO PERMITTEE	
<input type="checkbox"/> UT DEQ (L)					APPROVED COPY TO PFO/SLC	
<input type="checkbox"/> UT Water Rights (L)					APPROVED COPY TO AGENCIES	
<input type="checkbox"/> UT Wildlife Resources(L)					CHIA MODIFIED	
<input type="checkbox"/> UT SITLA					UPDATE MASTER TA DONE/NEEDED	

PRICE FIELD OFFICE COMMENTS:	SLC OFFICE COMMENTS:
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3.5.5 Reclamation Monitoring (continued)

the baseline studies. Cover will be estimated in randomly located 1.0 square meter quadrats. Production will be measured using a harvest method. Shrub density will be evaluated based on the procedure described above.



One of the greatest challenges of revegetation is to create reclaimed areas which have a large number of desirable species. Species diversity on the reclaimed areas will be encouraged by including a variety of grasses, forbs, and shrubs in seeding and planting mixes. Also, the use of native hay for mulch will provide an additional seed source for a variety of species. Species diversity will be judged adequate when the relative cover and percent distribution of biomass for the major life form groups approximates that which occurs in the reference areas. That is, if the relative cover by perennial grasses is 50 percent in the reference areas, then the relative cover by perennial grasses on the reclaimed areas should also be approximately 50 percent. This same relationship should also hold true for productivity. If most of the cover and production were being provided by annual forbs on the reclaimed areas and by perennial grasses on the reference areas, then the reclamation would be judged unsuccessful.

The purpose of the above procedures is to demonstrate that based on cover, production, woody plant density, and species diversity, the disturbed areas have been returned to stable plant communities capable of withstanding the intended post-mining land use.

Mining and Reclamation Plan
Huntington Canyon No. 4 Mine Permit Application

3.5.5 Reclamation Monitoring

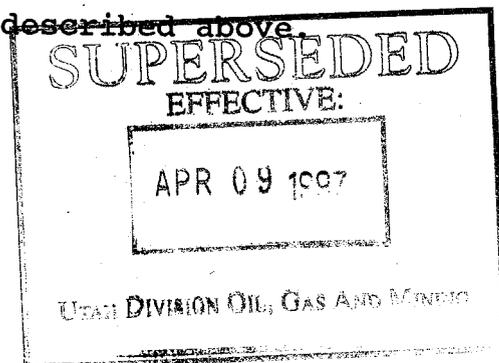
Note: The following monitoring description is left in this plan since it is the formerly approved methodology; however, since it is questionable whether meeting the proposed standards is realistic, Beaver Creek Coal Co. has enlisted the aid of a vegetation specialist to review the possibility of changing reference areas and/or success standards to achieve final bond release during this permit term. The results of this review will be submitted to the Division with the 1990 Annual Report.

The success of the reclamation effort will be evaluated by detailed sampling of cover and production on reclaimed areas. These data will then be statistically compared with data for the same parameters collected from the reference areas. The data from the reclaimed areas and the reference areas (Section 9.2.3) will be collected during the same growing season. If there is no significant difference in cover and production between the reclaimed areas and the reference areas when tested at the 95 percent significance level using a one-tailed t-test, then the areas will be judged to be adequately reclaimed relative to cover and production. Woody plant density will be judged adequate based on a stocking rate equal to or greater than 90 percent of the stocking of live woody plants that are contained in the reference area. This should encompass approximately 20 percent of the reclaimed area to accommodate systematic clumping for wildlife habitat.

Cover and production on reclaimed and reference areas will be measured using the same methods employed during the baseline studies. Cover will be estimated in randomly located 1.0 square meter quadrants. Production will be measured using a harvest method. Shrub density will be evaluated based on the procedure described above.

3-67a

5/9/90

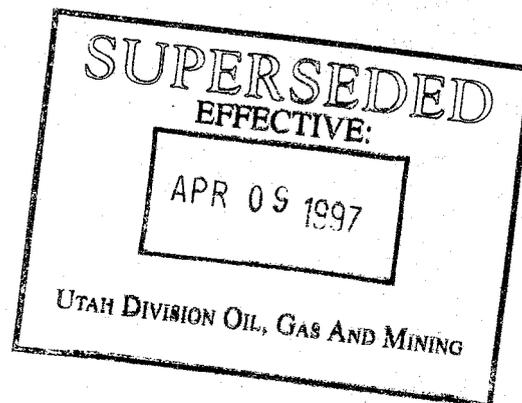


9.8 Revegetation Monitoring

Observations on temporarily reclaimed surfaces will determine necessary maintenance requirements. No formal quantitative assessments on temporarily reclaimed surfaces will be made. Final revegetated area success will be compared with an established reference area as shown on Plate 9-1 and described in Section 9.3.2.6.

Final reclaimed areas will be monitored at least every two years following plant establishment until bond release. Both the final reclaimed area and reference area will be sampled for cover, density (woody plants), species composition, and production during each monitoring period. Sampling methodology and sampling adequacy will meet all applicable DOGM guidelines.

The riparian area, along Mill Fork at the pumphouse and pond location, will be reclaimed as per Appendix 8. The area will be reclaimed to the same success standards described in Sec. 3.5.5; however, the vegetation standards to be used for the riparian area shall be the average of those measured within 100 meters above and below the disturbed area at the time of the comparison, rather than using a reference area.



Mountain Coal Company

West Elk Mine
Post Office Box 591
Somerset, Colorado 81434
Telephone 303 929-5015



Susan M. White
Senior Reclamation Biologist
Utah Division of Oil, Gas, & Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Re: *Revegetation Amendment*
Phase III Bond Release Review
Huntington Canyon No. 4 Mine
INA / 015 / 004-96A; Folder #2
Emery County, Utah

Dear Susan:

Enclosed are 5 copies of a proposed amendment to the revegetation sections of the Huntington Canyon No. 4 Mine plan. This information is being submitted to satisfy requirements of R645-301-880.330, as suggested in the 10/16/96 Bond Release deficiency letter from Pamela Grubaugh - Littig.

All pages are numbered and should replace corresponding sheets in the M.R.P. Required Permit Change Forms are also enclosed.

If you have any questions, ,or need any additional information, please let me know.

Respectfully,

Dan W. Guy
for
Paige Beville

cc: Paige Beville
File

APPLICATION FOR PERMIT CHANGE

Title of Change: *REVEGETATION CRITERIA*

Permit Number: ACT/015/004

Mine: HUNTINGTON CANYON #4

Permittee: MOUNTAIN COAL CO.

Description, include reason for change and timing required to implement:

Suggested by Division in PHASE III Bond Release Review.

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	1. Change in the size of the Permit Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	2. Change in the size of the Disturbed Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	3. Will permit change include operations outside the Cumulative Hydrologic Impact Area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	4. Will permit change include operations in hydrologic basins other than currently approved?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	5. Does permit change result from cancellation, reduction or increase of insurance or reclamation bond?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	6. Does the permit change require or include public notice publication?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7. Does the permit change require or include ownership, control, right-of-entry, or compliance information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	8. Permit change as a result of a Violation? Violation #
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	9. Permit change as a result of Division Order? D.O. #
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	10. Permit change as a result of other laws or regulations or policies? Explain: <i>Suggested by Division</i>
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	11. Does the permit change affect the surface landowner or change the post mining land use?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	12. Does permit change require or include underground design or mine sequence and timing? (Modification of R2P2?)
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	13. Does permit change require or include collection and reporting of any baseline information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	14. Could the permit change have any effect on wildlife or vegetation outside the current disturbed area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	15. Does permit change require or include soil removal, storage or placement?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	16. Does permit change require or include vegetation monitoring, removal or revegetation activities?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	17. Does permit change require or include construction, modification, or removal of surface facilities?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	18. Does permit change require or include water monitoring, sediment or drainage control measures?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	19. Does permit change require or include certified designs, maps, or calculations?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	20. Does permit change require or include subsidence control or monitoring?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	21. Have reclamation costs for bonding been provided for any change in the reclamation plan?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	22. Is permit change within 100 feet of a public road or perennial stream or 500 feet of an occupied dwelling?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	23. Is this coal exploration activity?

Attach 5 complete copies of proposed permit change as it would be incorporated into the Mining and Reclamation Plan.

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.

Dana Ballard
 Signed - Name - Position - Date

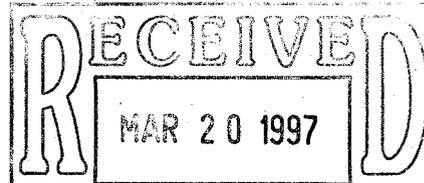
Subscribed and sworn to before me this 17 day of MARCH, 19 97
 Notary Public



DANA BALLARD
 NOTARY PUBLIC - STATE OF UTAH
 865 EAST 2800 SOUTH
 PRICE, UTAH 84501
 COMM. EXP. 9-27-97

My Commission Expires: 9-27, 19 97
 Attest: STATE OF UTAH
 COUNTY OF MOUNTAIN

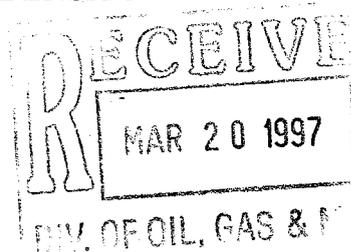
Received by Oil, Gas & Mining



DIV. OF OIL, GAS & MINING
 ASSIGNED PERMIT CHANGE NUMBER

STANDARDS FOR COVER, PRODUCTIVITY AND DENSITY
FOR THE
HUNTINGTON NO. 4 MINE

by
Patrick D. Collins



I believe some changes would be justified in the Huntington No. 4 Mining and Reclamation Plan (MRP). I have described the changes including justifications for them below.

Current Standards

In Reclamation Monitoring [Section 3.3.5, p. 3-67a (3/15/84)] of the MRP, the following reclamation success standards were described.

"The success of the reclamation effort will be evaluated by detailed sampling of cover and production on the reclaimed areas. These data will then be statistically compared with data for the same parameters collected from the reference areas. The data from the reclaimed areas and the reference areas (Section 9.2.3) will be collected during the same growing season. If there is no significant difference in cover and production between the reclaimed areas and the reference areas when tested at 95 percent significance level using a one-tailed t-test, then the areas will be judged to be adequately reclaimed relative to cover and production. Woody plant density will be judged adequate based on a stocking rate equal to or greater than 90 percent of the stocking of live woody plants that are contained in the reference area. This should encompass approximately 20 percent of the reclaimed area to accommodate systematic clumping for wildlife habitat."

Proposed Standards

The following changes should be made to the reclamation success standards. Therefore, the following paragraph could ~~replace~~ the above success standards in the MRP.

The success of the reclamation effort will be evaluated by detailed quantitative sampling for cover, density, and productivity on the reclaimed pinyon-juniper areas. These data will then be statistically compared with data for the same parameters collected from the pinyon-juniper reference area. The data from the reclaimed areas and the reference area will be collected during the same growing season. When compared statistically, if the living cover, productivity and woody species density of the reclaimed area meets or exceeds that of the reference area with a 90% confidence level (i.e. one-sided t-test at the 10% level), the reclaimed area will be considered adequate to meet the success standards. In other words, for the aforementioned parameters, the reclaimed area will be equal to or greater than the reference area.

Justifications

For the current MRP reclamation success standards, the following statement is made: *“If there is no significant difference in cover and production between the reclaimed areas and the reference areas when tested at 95 percent significance level using a one-tailed t-test, then the areas will be judged to be adequately reclaimed relative to cover and production”*. This statement almost leaves no room for the reclaimed areas to be greater than the reference area (however, the one-tailed language could contradict this). Or, if there is a “significant difference” in cover and production (even though it may be significantly higher), the reclaimed area would fail to meet the requirements. Also, the 90% level used in the proposed standards is consistent with the State Rules (R645-301-356).

Riparian Standards

In Reclamation Monitoring [Section 9.8, p. 9-34 (1/14/85)] of the MRP, the following reclamation success standards for the riparian area were described.

“The riparian area, along Mill Fork at the pumphouse and pond location, will be reclaimed as per Appendix 8. The area will be reclaimed to the same success standard described in Sec. 3.5.5; however, the vegetation standards to be used for the riparian area shall be the averages of those measured within 100 meters above and below the disturbed area at the time of comparison, rather than using a reference area.”

Proposed Riparian Standards

The riparian area, along the Mill Fork drainage at the pumphouse and pond location, will be reclaimed as per Appendix 8. The area to be reclaimed is relatively small, only approximately 35 ft along the Mill Fork drainage. Because the area is considerably less than one acre, a reference area for comparison is not needed.

Sampling methods in the riparian area to monitor revegetation success will be similar to other reclaimed areas. However, an area 100 ft above and 100 ft below the reclaimed riparian area along the drainage will be used as a “cover comparison area”. The success of the reclamation effort for cover will be evaluated by detailed quantitative sampling. These data will then be statistically compared with data collected from the cover comparison area.

The data from the reclaimed riparian and comparison area will be collected during the same growing season. When compared statistically, if the living cover of the reclaimed area meets or exceeds that of the comparison area with a 90% confidence level (i.e. one-sided t-test at the 10% level), the reclaimed area will be considered adequate to meet the success standards. In other words, for cover, the reclaimed area will be equal to or greater than the reference area.

Density of woody species will also be sampled in the reclaimed riparian area. To do this, all woody species to a given width will be counted on both sides of the creek for the entire

length of the reclaimed area (approximately 35 linear feet). The sample value unit will then be converted to the number of individuals per acre. The success standard goal will be to reach the equivalent of at least 2,000 woody species individuals per acre along the reclaimed riparian corridor.

In addition, it will be necessary to consult the USDA Forest Service for approval to cancel their Special Use Permit in the area. In order to receive Forest Service approval, the area must also be deemed appropriately reclaimed by their standards.

Justifications

Because the disturbed area is less than one acre, a reference area is not needed. Additionally, the area is just too small to achieve statistically adequate samples for all parameters. Also, if one used more of the streamside for a "comparison area" (travel up and down stream further for additional samples), the influences of geomorphological dissimilarities of the stream channel significantly change the vegetation when compared to the area that was disturbed.

Diversity Standards

In Reclamation Monitoring [Section 3.3.5, p. 3-67b (3/15/84)] of the MRP, the following reclamation success standards were described.

"Species diversity will be judged adequate when the relative cover and percent distribution of biomass for the major life form groups approximates that which occurs in the reference areas. That is, if the relative cover by perennial grasses is 50 percent in the reference areas, then the relative cover by perennial grasses on the reclaimed areas should also be approximately 50 percent. This same relationship should also hold true for productivity. If most of the cover and production were being provided by annual forbs on the reclaimed areas and by perennial grasses on the reference areas, then the reclamation would be judged unsuccessful."

Proposed Standard

The following could replace the above standard in the MRP.

There are several good methods to assess diversity of plant communities. One approach that has been suitable for land reclamation enables biologists to compare cover data with given standards of success. In this method each plant species is ranked by relative importance and listed by life form, total cover and relative cover. These variables are then compared with the standard (i.e. reference area). This method can be particularly appropriate because comparisons can be made of cover and characteristics of the taxa, yet the species themselves need not be identical. Not only does this method provide a diversity measurement, it also considers abundance of the species utilizing the cover data.

The method asserts that the relative importance of a set number of species and life forms (at least as many as those in the standard) become established on the reclaimed land. Also

a maximum dominance of 40% relative importance is set for each plant species. In other words, if the reference area has five species (e.g. 1 shrub, 2 forbs, 2 grasses) with relative covers greater than 5.00%, *at the least* the same should be established on the reclaimed land. A greater number of species with these amounts would also be acceptable as long as no individual species exceeds 40% relative importance. This permits the establishment of several plant species that complement other species and have similar characteristics to those of the reference area.

Justifications

The current MRP diversity standard assumes the reclaimed areas will be exactly the same as the reference area, with no latitude for improvement or greater species diversity.



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

April 9, 1997

Paige B. Beville
Mountain Coal Company
Manager Environmental Health and Safety
ARCO Coal Company
555 17th Street Room 2170
Denver, Colorado 80202

RE: Success Standards, Mountain Coal Company, Huntington #4 Mine, ACT/015/004-97A, Folder #2, Emery County, Utah


Dear Ms. Beville:

The referenced amendment received by the Division under signature of Dan Guy on March 20, 1997, is hereby approved effective April 9, 1997. A stamped approved incorporated copy is provided for updating your mining and Reclamation Plan.

Sincerely,

Joseph C. Helfrich
Permit Supervisor

tt
Enclosure

cc: Janette S. Kaiser, Forest Service
Mark Page, Water Rights, w/o
Dave Ariotti, Health, w/o
Bill Bates, DWR, w/o
Dan Guy, Blackhawk Engineering, w/o
Susan White, DOGM, w/o
PFO

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State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

April 8, 1997

TO: File

THRU: Joe Helfrich, Permit Supervisor *JH*

FROM: Susan M. White, Senior Reclamation Biologist *SMW*

RE: Success Standards, Mountain Coal Company, Huntington #4 Mine, ACT/015/004-97A, Folder #2, Emery County, Utah

Synopsis

Mountain Coal Company submitted a permit amendment to change the vegetation success standards for the above referenced mine. The amendment was received March 20, 1997. The amendment is associated with the Divisions analysis of the Phase III Bond Release Application received in April, 1996. The amendment meets the requirements of the regulations and can be approved.

REVEGETATION

Regulatory Reference: 30 CFR Sec. 785.18, 817.111, 817.113, 817.114, 817.116; R645-301-244, -301-353, -301-354, -301-355, -301-356, -302-280, -302-281, -302-282, -302-283, -302-284.

Analysis:

Standards for Success.

The regulations, for areas previously disturbed by mining that were not reclaimed, are that the vegetative ground cover will be not less than the ground cover existing before redisturbance and will be adequate to control erosion and achieve the approved postmining land use. The Division's interpretation, at this time, is that continuously mined sites also apply to this standard.

The permit states (page 3-67a) that the reclamation will be considered successful if the upper and lower reclaimed areas are at least equal to or greater than the pinyon-juniper reference areas when cover, production, and shrub density are compared.

The reclaimed pumphouse and pond area disturbance is less than 1 acre in size. No reference area was established for this riparian area, instead a transect 100 feet above and 100 feet below the disturbance will be used as a cover comparison area. Density of woody species

Success Standards
ACT/015/004-97A
April 8, 1997
Page 2

will meet a technical requirement of 2000 woody species per acre along the riparian corridor.

A diversity success standard is proposed (page 3-67b) for all of the reclaimed areas. The standard is based on vegetative cover and the comparison of the reclaimed area to the reference area or transect. Cover data is converted to relative cover and all species with a relative cover of greater than 5% will be tallied by life forms and compared to the relative cover of the undisturbed area.

Findings:

The amendment meets the requirements of this section of the regulations.

RECOMMENDATION

Amendment 97A, Success Standards may be approved and incorporated into the permit.

cc: Permit Binder
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State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
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Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

March 28, 1997

Paige B. Beville, Manager
Mountain Coal Company
555 17th Street, Room 2170
Denver, Colorado 80202

Re: Success Standard, Mountain Coal Company, Huntington Mine #4, INA/015/004-97A, File #2, Emery County, Utah.

Dear Ms. Beville:

We have received the above referenced amendment. Our agency anticipates reviewing this amendment by April 11, 1997. A copy is available for review at our Salt Lake office.

If you have any questions please call me at 538-5290.

Sincerely,

A handwritten signature in cursive script that reads "Joseph C. Helfrich".

Joseph C. Helfrich
Permit Supervisor

tt

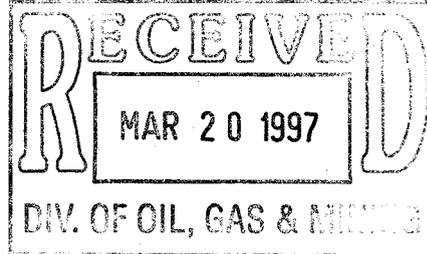
cc: Janette S. Kaiser, Forest Service
Mark Page, Water Rights
Dave Ariotti, Health Dept.
Bill Bates, DWR
PFO

O:\015004.HU4\FINAL\TRANS97A.WPD

Mountain Coal Company
West Elk Mine
Post Office Box 591
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Telephone 303 929-5015



Susan M. White
Senior Reclamation Biologist
Utah Division of Oil, Gas, & Mining
1594 West North Temple, Suite 1210
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Salt Lake City, Utah 84114-5801



Re: *Revegetation Amendment*
Phase III Bond Release Review
Huntington Canyon No. 4 Mine
INA / 015 / 004-96A; Folder #2
Emery County, Utah

Dear Susan:

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All pages are numbered and should replace corresponding sheets in the M.R.P. Required Permit Change Forms are also enclosed.

If you have any questions, or need any additional information, please let me know.

Respectfully,

Dan W. Guy
for
Paige Beville

cc: *Paige Beville*
File

APPLICATION FOR PERMIT CHANGE

Title of Change: REVEGETATION CRITERIA

Permit Number: ACT/015/004

Mine: HUNTINGTON CANYON #4

Permittee: MOUNTAIN COAL CO.

Description, include reason for change and timing required to implement:

Suggested by Division in PHASE III Bond Release Review.

- | | | |
|---|--|---|
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 1. Change in the size of the Permit Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease. |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 2. Change in the size of the Disturbed Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease. |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 3. Will permit change include operations outside the Cumulative Hydrologic Impact Area? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 4. Will permit change include operations in hydrologic basins other than currently approved? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 5. Does permit change result from cancellation, reduction or increase of insurance or reclamation bond? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 6. Does the permit change require or include public notice publication? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 7. Does the permit change require or include ownership, control, right-of-entry, or compliance information? |
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| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 9. Permit change as a result of Division Order? D.O. # _____ |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | 10. Permit change as a result of other laws or regulations or policies? Explain: <i>Suggested by Division</i> |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 11. Does the permit change affect the surface landowner or change the post mining land use? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 12. Does permit change require or include underground design or mine sequence and timing? (Modification of R2P2?) |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 13. Does permit change require or include collection and reporting of any baseline information? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 14. Could the permit change have any effect on wildlife or vegetation outside the current disturbed area? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 15. Does permit change require or include soil removal, storage or placement? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 16. Does permit change require or include vegetation monitoring, removal or revegetation activities? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 17. Does permit change require or include construction, modification, or removal of surface facilities? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 18. Does permit change require or include water monitoring, sediment or drainage control measures? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 19. Does permit change require or include certified designs, maps, or calculations? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 20. Does permit change require or include subsidence control or monitoring? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 21. Have reclamation costs for bonding been provided for any change in the reclamation plan? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 22. Is permit change within 100 feet of a public road or perennial stream or 500 feet of an occupied dwelling? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 23. Is this coal exploration activity? |

Attach 5 complete copies of proposed permit change as it would be incorporated into the Mining and Reclamation Plan.

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.

Dana Ballard
 Signed - Name - Position - Date

Subscribed and sworn to before me this 17 day of MARCH, 19 97
DANA BALLARD
 Notary Public



DANA BALLARD
 NOTARY PUBLIC - STATE of UTAH
 865 EAST 2800 SOUTH
 PRICE, UTAH 84501
 COMM. EXP. 9-27-97

My Commission Expires: 9-27, 19 97
 Attest: STATE OF _____
 COUNTY OF HUNTINGTON

Received by Oil, Gas & Mining

