



**Canyon Fuel Company, LLC**  
**SUFCO Mine**  
 397 South 800 West  
 Salina, UT 84654  
 (435) 286-4880 Fax: (435) 286-4499

August 6, 2002

**RECEIVED**

AUG 12 2002

DIVISION OF  
 OIL, GAS AND MINING

*Response*  
*J. McLaughlin*  
*C/041/002*  
*Copy to Aaron*

Utah Coal Program  
 Utah Division of Oil, Gas & Mining  
 1594 West North Temple, Suite 1210  
 P. O. Box 145801  
 Salt Lake City, UT 84114-5801

Re: Second Submittal, Link Canyon Portal MRP Permit Amendment, Canyon Fuel Company, LLC, SUFCO Mine C/041/002

AM02E

Dear Permit Supervisor:

The enclosed eight copies of materials are being submitted to update the Link Canyon Portal MRP Permit Amendment submitted on April 2, 2002. Attached are DOGM forms C-1 and C-2 and appropriate pages and Plates 5-2F and 5-6.

These new pages and Plates 5-2F and 5-6 have been revised to address the deficiencies in the Division letter dated July 18, 2002 received on July 29, 2002, and need to replace or add to the pages in the original submittal binder.

The deficiencies and responses to the Link Canyon Portal MRP Permit Amendment are:

1. **R645-301-114**
  - ◆ The Permittee must receive landowner (USFS) consent. A copy of consent letter must be given to the Division prior to approval.

**Response:**

*The consent letter from the USFS will be forwarded as soon as the environmental assessment process is completed. Public scoping has been completed and a decision based on the Forest's findings will be made.*

2. **R645-301-132**
  - ◆ The qualifications of Mr. Keith Zobell to conduct biological studies must be provided as well as the qualifications of the consulting soil scientist, Mr. Dan Larsen.

**Response:**

*The qualifications of Mr. Keith Zobell, Mr. Dan Larson, and Patrick Collins (Mt. Nebo Scientific) have been attached to their reports in Appendix 2-9.*

3. **R645-301-142**

- ◆ The application must include a map that distinguishes between disturbances that occurred prior to August 3, 1977, and disturbances that occurred after August 3, 1977.

**Response:**

*Plate 5-2F has been revised to address this deficiency.*

4. **R645-301-321.100**

- ◆ A detailed species list providing genus and species for the riparian area must be provided.

**Response:**

*The detailed species list is provided in Mt. Nebo Scientific's report on the Link Canyon Portal area included in Appendix 2-9.*

5. **R645-301-321.100**

- ◆ Information must be provided to assess if the existing Pinyon-Juniper reference area adequately represents this area.

**Response:**

*A new seed mix for the Pinyon Juniper areas has replaced the existing seed mix. This new seed mix includes changes based on data from Link Canyon Portal area.*

6. **R645-301-323**

- ◆ A vegetation map of the disturbed area must be provided at a level adequate to predict the potential for reestablishing vegetation.

**Response:**

*A vegetation map of the disturbed area is included in Mt. Nebo Scientific's report included in Appendix 2-9.*

7. **R645-301-322**

- ◆ The area must be surveyed for Forest Service sensitive plant and the report included in the MRP.

**Response:**

*A survey of the area for Forest Service Sensitive plants was conducted as part of the amphibian and mollusk survey and none were found in the portal area. A copy of the report is included in Appendix 2-9.*

8. **R645-301-322.210**

- ◆ The comment (page 3-8A) that Mexican spotted owls are not likely and surveys unnecessary must be changed. Surveys will be required if construction occurs during critical nesting and rearing times, February 1 to August 31.

**Response:**

*The appropriate text has been changed and additional text added to describe that construction activities will not be conducted during critical nesting and rearing times.*

9. **R645-301-322.210**

- ◆ Mollusk and amphibian surveys must be conducted prior to construction and results of the survey included in the resource section of the MRP.

**Response:**

*The survey was conducted and a report of the survey is included in Appendix 2-9.*

10. **R645-301-222.200**

- ◆ The Permittee should locate soil sample sites number 6 and 7 which were omitted from the Soil Description Location map in appendix 2-9 and amend the PAP with any forthcoming corrections to Appendix 2-9 concerning the SubOrder and Great Group identification of the soils of the area.

**Response:**

*A new map was prepared by Dan Larsen of EIS to correctly illustrate the location of sample sites number 6 and 7. Additionally, a letter written by Dan Larsen correcting the soil identification nomenclature has been included in Appendix 2-9.*

11. **R645-301-521.151**

- ◆ The Permittee must show all contour lines that are up to 100 feet outside the disturbed area boundary on Plate 5-2F, Link Canyon Portal Surface Facilities.

**Response:**

*Plate 5-2F has been revised to address this deficiency.*

12. **R645-301-521.190 and R645-301-121.200**

- ◆ The Permittee must label the premining, operational and postmining surface on the cross-sections on Plate 5-2F.

**Response:**

*Plate 5-2F has been revised to address this deficiency.*

13. **R645-301-521.133**

- ◆ The Permittee must state how the public will be protected from mining and reclamation activities that will be conducted within 100 feet of a public road.

**Response:**

*New page 5-10 has been revised to address this deficiency.*

14. **R645-301-232.100**

- ◆ The Permittee must flag areas within the disturbed area which will not have topsoil removed.

**Response:**

*The areas within the disturbed area that will not have topsoil removed will be flagged and these areas have been labeled on Plate 5-2F.*

15. **R645-301-232.200**

- ◆ The Permittee should commit to the salvage of six inches of soil from the entire disturbed area including TUE, TUL, CU and RP soil types.

**Response:**

*The Permittee has already committed to the salvage of six inches of soil from the entire disturbed area in Section 2.3.2.3 Thin Topsoil located on page 2-20 in the MRP.*

16. **R645-301-231.400**

- ◆ The Permittee must relate the volume of topsoil salvaged and dimensions of the topsoil pile in As-Built maps.

**Response:**

*New page 2-13 has been revised to address this deficiency.*

17. **R645-301-234.220**

- ◆ The Permittee should evaluate an alternate location for storage of the topsoil pile, out of the drainage on a level slope.

**Response:**

*Other areas were evaluated for the topsoil pile but because of the location in Link Canyon with steep slopes all around the area there doesn't seem to be a better location. Locating the topsoil pile down the canyon would require an additional area to be disturbed and would not be minimizing the mining impact as much as possible. The proposed location was felt to be the best location below the disturbed area on the slope out of the main drainage coming down the canyon.*

18. **R645-301-234.230**

- ◆ The application should describe surface pitting of the stockpile to retain moisture and reduce erosion and should indicate what seed mix will be used to establish vegetation on the topsoil pile.

**Response:**

*New pages 2-19 and 2-24 have been revised to address this deficiency.*

19. **R645-301-231.100**

- ◆ The application should describe topsoil handling plans including the equipment to be used and moisture content below which soils will not be handled and the topsoil salvage described in the application should include separate handling of the Mahonia repens (creeping mahonia) for transplanting to the surface layer of the soil.

**Response:**

*Topsoil handling techniques of the Link Canyon Portal soils were discussed in greater detail in Chapter 2. The handling of the Creeping mahonia, or Creeping Oregon Grape, was discussed.*

20. **R645-301-121.200**

- ◆ Indicate on Plate 5-2F 1) The direction of water drainage on the road and portal pad areas, 2) The location of all silt fences, 3) Darker contour lines, 4) The elevation at the connection point where the existing SUFCO mine joins the access to the old Link Canyon mine, and 5) Location of all the Alternate Sediment Control Areas.

**Response:**

*Plate 5-2F has been revised to address this deficiency. New page 7-38 has been revised to address the deficiency for the elevations of the connection point where the existing SUFCO mine joins the access to the old Link Canyon.*

21. **R645-301-742.300**

- ◆ 1) Redesign Channel 1 and Channel 2 to accommodate the undisturbed drainage flows into those ditches, 2) Justify, or revise, the runoff curve numbers and quantify the amount of rock outcrop involved in the drainage above the culvert, and 3) Add the undisturbed drainage flowing onto the disturbed area to the culvert size calculations.

**Response:**

*1. Chapter 7, Page 7-58, 7-78A, 7-79, and 7-80 have been revised to address this deficiency. The following words were added to the Channel 1 and 2 descriptions: "undisturbed drainage above the access road" and "undisturbed drainage above the pad area." The design of Channels 1 and 2 were modified to include the flows from the undisturbed drainage areas above the access road and pad area. The area for Channel 1 increased from 0.041*

acres to 0.20 acres. The area for Channel 2 increased from 0.04 acres to 0.15 acres.

2. The curve number was changed to 72. This number was used because this number was assigned to areas at the mine site with a combination of rock face and vegetated slopes similar to Link Canyon (Table 7-6 page 7-68). The new curve number increased the flow from the undisturbed areas and the culvert size increased. The change is shown on Table 7-10, page 7-80. The amount of rock face in the undisturbed drainage cannot be determined.
3. The flows from the ditches along the access road and pad area have always been included in the total flow of the culvert under the pad. The new curve number has increased the flow from 4.60 cu. ft./sec. to 29.16 cu. ft./sec.

22. **R645-301-731.600**

- ◆ Provide stream buffer zones signs and indicate their placement on Plate 5-2F.

**Response:**

*Plate 5-2F has been revised to address this deficiency. New page 5-16 has been revised to address the new stream buffer zone signs.*

23. **R645-301-742**

- ◆ Show construction of the catch basin indicated on Plate 5-2F. Include features that prevent excess sediment from leaving the new disturbed area. The Operator will need to commit to cleaning out this basin as needed to keep the basin operating as a sediment trap.

**Response:**

*Plate 5-2F has been revised to address this deficiency. The catch basin shown on the original plate 5-2F was for a culvert inlet because the bottom of the culvert would be below the existing grade and has been relabeled on the map as "culvert inlet" to eliminate the confusing in thinking that it would be operated as a sediment trap. The silt fences that prevent excess sediment from leaving the new disturbed area in both channel 1 and 2 have been labeled also to help clarify their location on the map.*

24. **R645-301-744**

- ◆ Justify the lack of discharge structures at the culvert outlet or provide them.

**Response:**

*Table 7-10 on page 7-80 has been revised to address this deficiency. A riprap ditch was designed at the outflow of the culvert. These calculations have been added to the new culvert design calculations located in Appendix 7-13.*

25. **R645-301-742.113**

- ◆ The Permittee must indicate what measures will be taken during operations to provide interim reclamation and stability of the cutslopes disturbed for fill.

**Response:**

*New page 7-62 has been revised to address this deficiency.*

26. **R645-301-521.251**

- ◆ The Permittee has designated a disturbed area and an Actual disturbed area on page 1-37 of the application, therefore, to avoid confusion, the application must specify plans for placement of signs and markers.

**Response:**

*Plans for placement of signs and markers are addressed in Section 5.2.1.2 on page 5-16 of the MRP. Mine identification signs, disturbed area perimeter marker locations, and areas that topsoil will not be removed for the Link Canyon Portal facility are shown on Plate 5-2F. New page 1-37 has been revised to try and help clarify the difference between the permitted disturbed area boundary and the actual area currently disturbed in this permitted area.*

27. **R645-301-521.160 thru R645-301-521.161**

- ◆ The Permittee must provide a map showing the powerline corridor.

**Response:**

*Plate 5-2F has been revised to address this deficiency.*

28. **R645-301-521.190**

- ◆ The Permittee will reference the location of the disturbed area boundaries on Plate 5-2F to show coordinates such as township and range or UTM. In addition, the Permittee must also show the location of all disturbed area boundaries on one map.

**Response:**

*Plates 5-2F and 5-6 have been revised to address this deficiency. Plate 5-6 is the permit area map that shows the location of all disturbed area boundaries on one map.*

29. **R645-301-542 thru R645-301-542.500**

- ◆ Maps, plan and narrative for the reclamation of the Link Canyon Portal area and power poles. A total number of power poles will need to be in the narrative or shown on a map.

**Response:**

*Plate 5-2F has been revised to address this deficiency. The reclamation of the Link Canyon Portal area and power poles is also addressed in the bond calculations in Appendix 5-9.*

30. **R645-301-553.110**

- ◆ The Permittee must state in the amendment how the Link Canyon Portal area will be reclaimed to Approximate Original Contour.

**Response:**

*New page 5-67 has been revised to address this deficiency.*

31. **R645-301-731.520**

- ◆ Provide a plan for restoration of water flow at the reclaimed portal.

**Response:**

*This plan has been discussed in Section 7.2.8.3 and in Section 7.3.1.5. Since Sufco is not able to enter the old works until this modification is approved, it is not certain as to how water from the old works will be discharged to the east and west portals. However, some potential plans are presented in these sections and can be modified as more is learned of the old works.*

32. **R645-301-353**

- ◆ The seed mixture must be modified to: 1) Eliminate introduced species, 2) Provide 50 to 100 seeds per square foot, and 3) Provide greater diversity.

**Response:**

*The seed mix for the Link Canyon Portal area will not contain alfalfa. The removal of alfalfa seed is discussed in new text in chapter 3. Also, a commitment to reseed at a rate of 50 to 100 seeds per square foot was included.*

33. **R645-301-353**

- ◆ The species selected for transplanting for the access road must also include Oregon grape. The MRP must be modified to plant cuttings from willows during early spring.

**Response:**

*Commitments were made to transplant Creeping Oregon Grape to the topsoil pile and the access road at final reclamation were made in both chapters 2 and 3.*

34. **R645-301-356**

- ◆ The success standards for the access road and portal area must be established.

**Response:**

*The success standards for the access road and portal area were discussed in Chapter 3. The success of reclamation will be based on a comparison of the two new reference areas for Link Canyon portals and the re-established vegetation within the reclaimed disturbed area.*

35. **R645-301-244.200**

- ◆ The application should describe replacement of boulders and stones to the surface.

**Response:**

*New page 2-28 has been revised to address this deficiency.*

36. **R645-301-800**

- ◆ The Permittee must provide the information necessary for the Division to calculate the bond amount to reclaim the Link Canyon Portal Project. The Permittee must have an adequate bond in place to cover all of SUFCO Mine's bonded areas.

**Response:**

*The information necessary to calculate the reclamation of the Link Canyon Portal area and power poles is addressed in the bond calculations sheets in Appendix 5-9 of this amendment.*

Copies of the Legal Notice are attached to be included in Appendix 1-3, Volume 4 of the MRP.

If you have any questions or need additional information, please contact Mike Davis at (435) 286-4421.

Sincerely,  
CANYON FUEL COMPANY, LLC  
SUFCO Mine



Kenneth E. May  
Mine Manager

KEM/MLD:kb

Encl.

cc: DOGM - Price Field Office

# APPLICATION FOR PERMIT PROCESSING

<input checked="" type="checkbox"/> Permit Change	<input type="checkbox"/> New Permit	<input type="checkbox"/> Renewal	<input type="checkbox"/> Transfer	<input type="checkbox"/> Exploration	<input type="checkbox"/> Bond Release	Permit Number: C/041/002
Title of Proposal: <b>Second Submittal - AM02C Link Canyon Portal Opening Amendment</b>						Mine: SUFCO MINE
						Permittee: CANYON FUEL CO., LLC

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

This permit amendment needs to be approved as soon as possible so that construction can be completed this summer.

**Instructions:** If you answer yes to any of the first 8 questions (gray), this will be a Significant Revision and will require Public Notice.

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	1. Change in the size of the Permit Area? _____ acres Disturbed Area? <u>0.23</u> acres <input checked="" type="checkbox"/> increase <input type="checkbox"/> decrease.
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	2. Is the application submitted as a result of a Division Order? DO #
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	3. Does application include operations outside a previously identified Cumulative Hydrologic Impact Area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	4. Does application include operations in hydrologic basins other than as currently approved?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	5. Does application result from cancellation, reduction or increase of insurance or reclamation bond?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	6. Does the application require or include public notice/publication?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7. Does the application require or include ownership, control, right-of-entry, or compliance information?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	9. Is the application submitted as a result of a Violation? NOV #
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	10. Is the application submitted as a result of other laws or regulations or policies? Explain:
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	11. Does the application affect the surface landowner or change the post mining land use?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P??)
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	13. Does the application require or include collection and reporting of any baseline information?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	15. Does application require or include soil removal, storage or placement?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	16. Does the application require or include vegetation monitoring, removal or revegetation activities?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	17. Does the application require or include construction, modification, or removal of surface facilities?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	18. Does the application require or include water monitoring, sediment or drainage control measures?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	19. Does the application require or include certified designs, maps, or calculations?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	20. Does the application require or include subsidence control or monitoring?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	21. Have reclamation costs for bonding been provided for?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	22. Does application involve a perennial stream, a stream buffer zone or discharges to a stream?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	23. Does the application affect permits issued by other agencies or permits issued to other entities?

Attach 8 complete copies of the application.

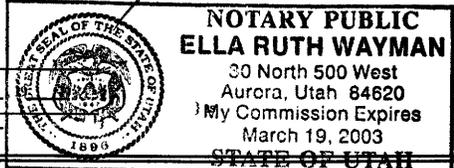
I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

*Kenneth E. May*  
Signed - Kenneth E. May, Mine Manager - Date

Subscribed and sworn to before me this 8<sup>th</sup> day of August, 2002.

*Ellen Ruth Wayman*  
Notary Public

My Commission Expires: \_\_\_\_\_  
Attest: STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_



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DIVISION OF

**OIL, GAS AND MINING**

## Application for Permit Processing Detailed Schedule of Changes to the MRP

Title of Application:  Second Submittal - AM02C - Link Canyon Portal Opening Amendment.	Permit Number: C/041/002 <hr/> Mine: SUFCO MINE <hr/> Permittee: CANYON FUEL CO., LLC
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Provide a detailed listing of all changes to the mining and reclamation plan which will be required as a result of this proposed permit application. Individually list all maps and drawings which are to be added, replaced, or removed from the plan. Include changes of the table of contents, section of the plan, pages, or other information as needed to specifically locate, identify and revise the existing mining and reclamation plan. **Include page, section and drawing numbers as part of the description.**

			DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Page 1-37 in Link Canyon Portal Opening Amendment Submittal Binder.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 2-ii, 2-iii, and 2-13 to 2-30 in Link Canyon Portal Opening Amendment Submittal Binder.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 3-8A, 3-20, 3-22, 3-22A, 3-48, and 3-48A in Link Canyon Portal Opening Amendment Submittal Binder.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 3-ii, 3-iii, 3-7, 3-8, 3-47, 3-48B, 3-49, and 3-56 to 3-59 in Link Canyon Portal Opening Amendment Submittal Binder.
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input checked="" type="checkbox"/> REMOVE	Page 3-22B in Link Canyon Portal Opening Amendment Submittal Binder.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Page 5-67 in Link Canyon Portal Opening Amendment Submittal Binder.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 5-10 to 5-12A, 5-16, and 5-68 in Link Canyon Portal Opening Amendment Submittal Binder.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 7-37 to 7-38A, 7-53 to 58A, 7-63A, and 7-78A to 7-80 in Link Canyon Portal Opening Amendment Submittal Binder.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 7-ii, 7-52, 7-62, and 7-63 in Link Canyon Portal Opening Amendment Submittal Binder.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 5-2F in Link Canyon Portal Opening Amendment Submittal Binder.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 5-6 in Link Canyon Portal Opening Amendment Submittal Binder.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Add Newspaper Advertisement Affidavit of Publications Appendix 1-3, in Link Canyon Portal Opening Amendment Submittal Binder.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Add new pages Link Canyon Portal Vegetation, Aquatic Fauna, and Soil Investigations Appendix 2-9, in Link Canyon Portal Opening Amendment Submittal Binder.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Add new page of Link Canyon Portal Bond Calculations Appendix 5-9, in Link Canyon Portal Opening Amendment Submittal Binder.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Replace all old pages with these new pages of diversion ditch calculations Appendix 7-12, in Link Canyon Portal Opening Amendment Submittal Binder.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Replace all old pages with these new pages of diversion culvert calculations Appendix 7-13, in Link Canyon Portal Opening Amendment Submittal Binder.
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	

Any other specific or special instructions required for insertion of this proposal into the Mining and Reclamation Plan?

All of the above second submittal pages and plates are to be placed in the Link Canyon Portal Opening Amendment Submittal Binder submitted on April 2, 2002. The final placement in the MRP for this amendment will require using the Complete list of changes C2 form.

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## Application for Permit Processing Detailed Schedule of Changes to the MRP

Title of Application: AM02C - Link Canyon Portal Opening Amendment.

Permit Number: C/041/002

Complete List of all Changes for Original Submittal (04/02/2002), and Second Submittal (08/06/2002).

Mine: SUFCO MINE

Permittee: CANYON FUEL CO., LLC

Provide a detailed listing of all changes to the mining and reclamation plan which will be required as a result of this proposed permit application. Individually list all maps and drawings which are to be added, replaced, or removed from the plan. Include changes of the table of contents, section of the plan, pages, or other information as needed to specifically locate, identify and revise the existing mining and reclamation plan. **Include page, section and drawing numbers as part of the description.**

### DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED

<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Page 1-37 in Chapter 1, Volume 1 of MRP.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 2-ii, 2-iii, 2-8 to 2-23 in Chapter 2, Volume 1 of MRP.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 2-24 to 2-30 in Chapter 2, Volume 1 of MRP.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 3-ii, 3-iii, 3-7 to 3-8A, 3-20 to 3-22, 3-43 to 3-45, 3-47 to 3-49, and 3-56 to 3-59 in Chapter 3, Volume 1 of MRP.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 3-22A, and 3-48A in Chapter 3, Volume 1 of MRP.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 4-7 to 4-11 in Chapter 4, Volume 1 of MRP.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 5-vi, 5-vii, 5-10 to 5-12, 5-16, 5-47 to 5-51, 5-54, 5-67, 5-68, and 5-76 in Chapter 5, Volume 1 of MRP.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Page 5-12A in Chapter 5, Volume 1 of MRP.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 7-ii, 7-25 to 7-29, 7-37, 7-38, 7-52 to 7-58, 7-62 to 7-63A, and 7-74 to 7-80 in Chapter 7, Volume 2 of MRP.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 7-38A, 7-58A, 7-78A, and 7-78B in Chapter 7, Volume 2 of MRP.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Add new Plate 5-2F in Chapter 5, Volume 1 of MRP.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 5-6 in Chapter 5, Volume 1 of MRP.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Add Newspaper Advertisement Affidavit of Publications at the back of Appendix 1-3, Volume 4 of MRP.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Add new Link Canyon Portal Vegetation, Aquatic Fauna, and Soil Investigations Appendix 2-9, in Volume 4 of MRP.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Cultural Resource Evaluation addendum at back of Appendix 4-2, Volume 6 of MRP.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Add new page for Link Canyon Portal Bond Calculations at the back of Appendix 5-9, Vol. 6
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Add new pages of diversion ditch calculations at the back of Appendix 7-12, Volume 10 of MRP
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Add new pages of diversion culvert calculations at the back of Appendix 7-13, Vol. 10 of MRP.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Add new pages of ASCA calculations at the back of Appendix 7-15, Volume 10 of MRP.
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	

Any other specific or special instructions required for insertion of this proposal into the Mining and Reclamation Plan?

This form includes all revised pages for the Link Canyon Portal Opening Amendment originally submitted on April 2, 2002, and the revised pages for the deficiency responses submitted. This form when approved will combine and supersede the Original C2 form submitted on April 2, 2002, and the Second submittal C2 form submitted on August 6, 2002.