0074

file

CO-OP MINING COMPANY

P.O. Box 1245
Huntington, Utah 84528

(801) 748-5238
Coal Sales (801) 748-5777

December 17, 1985

RECEIVED
DEC 19 1985
DIVISION OF OIL
GAS & MINING

Mr. John Whitehead
Utah Division of Oil, Gas & Mining
355 West North Temple
#3 Triad Center Suite 350
Salt Lake City, Utah 84180-1203

RE: Co-Op Bear Canyon Mine Ammendment
Mining Sequence and Ventilation
Plan.

Dear John:

Please find attached eight copies of a proposed minor change in Co-Op's Bear Canyon Mine MRP relevant to improvement of safety and ventilation plans.

These changes have been reviewed and encouraged by M.S.H.A. and are in line with their recommendations and guidelines.

Co-Op would appreciate your review, recommendations and approval so this minor change would be implemented as soon as possible.

Sincerely,

Melvin A. Coonrod
Permitting & Compliance

MC/njc

Attachments

FILE COPY

Table of Contents (cont.)

Appendix 3.3.4-A	Existing Structures
Appendix 3.3.6-A	Water Rights
Appendix 3-B	Roof Control Plan
Appendix 3-C	Interim Reclamation Plan
Appendix 3-D	Topsoil
Appendix 3-E	Toxic Materials & Handling
Appendix 3-F	Stability analysis
Appendix 3-G (3.3.11A)	Class I Road Reclamation
Appendix 3-H (3-5-8A)	Renewable Resource Survey
Appendix 3-I	Blind Canyon Intake Portal

3.1 SCOPE

This part describes the action and procedures of Co-op Mining Company to satisfy the requirements for underground mining operations and reclamation.

3.2 SURFACE FACILITIES - EXISTING

The mine which existed at the proposed site has been abandoned for over 30 years and subsequently there is no evidence of long existing facilities.

3.3 SURFACE FACILITIES - NEW

Subsection 3.3.1 and 3.3.2 deal exclusively with proposed new facilities.

3.3.1 SITE SELECTION AND PREPARATION OF PROPOSED FACILITIES

Plate 2-2 is an overlay of the new location of all surface facilities. In addition an accurate determination of where each facility is in relation to the existing topographic as well as structual fixtures such as highways.

3.3.2 PORTALS

The Mine has 3 existing portals (Fan, Intate & Belt). A fourth Intake portal is proposed for Blind Canyon in 1986. (See Plate 3-4. Appendix 3-I.)

3.3.3 SURFACE BUILDING AND STRUCTURES

The present plan calls for the following structures:

Surface structures will consist of; a single building complex containing shops, parts warehouse, bath house, and mine offices; truck scales, weighman office, cartaker dwelling, mine run coal receiver bin, crushing and sizing structure, truck load out bins, stockpile towers, and conveyors to carry coal to storage and load out sites, etc.. A complete list is in Appendix 3.3.4-A and shown on Plate 2-2. Detailed plans for each structure are attached in Addendum 3.3.4-A Plans.

3.3.4 COAL HANDLING, STORAGE AND LOADING

Coal carried from the mine by conveyor belt to a receiver bin, conveyed to the sizing and crushing plant, the lump removed and diverted to the lump bin, the rest of the over sized crushed, and the coal sized to meet the various requirements of the different customers, then conveyed to the truck load out bins, or the stockpile area.

3.3.5 POWER SYSTEM, TRANSMISSION LINES AND SUBSTATIONS

Power will be delivered by U.P. & L. Transmission lines at

APPENDIX 3-1

BLIND CANYON INTAKE PORTAL

BLIND CANYON INTAKE PORTAL

In order to facilitate adequate ventilation across the working face as mining advances from the existing intake portal and to provide an alternative escape way, Co-Op Mining requests approvals of the Blind Canyon Portal as shown on Plate 3-4.

This portal can be implemented from within the mine by utilization of standard mining methodology and implementation of a continuous miner. The intake adit will simply be extended to an exposed coal outcrop in the head of Blind Canyon. The outcrop presently has a 4 foot overhang. The overhang is made up of an overlying sandstone seam of approximately 12 feet. The coal being of a more erosive nature than the sandstone is incised into the slope. The toe of the coal outcrop is composed of broken ledge rock and lies on approximately a 70% slope. The nature and location of the outcrop precludes surface access by any means other than foot. Due to this, it is suitable for an escapeway in the event of a catastrophic closure of the existing portal area and is strongly supported by Co-Op's safety personnel as well as M.S.H.A.

The portal will be supported by 4" steel "I" beams placed on 5' centers for a distance of 25' into the sope. The roof will be bolted and shielded as needed with a combination of $\frac{1}{4}$" plate and chain link to minimize sluffing of rock. The entry will be reinforced and covered with chain link and posted with a "No Trespassing" sign. There will be an escapeway door installed which will only allow

access from within the mine. The chain link will prevent access of people as well as large animals which could theoretically utilize the portal for denning. (See attached illustration).

Surface disturbance will be minimal due to the nature of a continuous mining machine pulling the material into the mine. Any coal debris which may crumble and fall down the slope will be retrieved by hand to whatever degree is reasonable. It is important to note that due to the exposed nature of the coal seam, there is eroded coal presently on the slope.

It is anticipated that the reclamation can be accomplished from within the mine by removing all metal support structures and by utilizing a D-2 Class Crawler dozer to push large panels of coal into the portal for a minimum distance of 40', then install a seal as pictured in Chapter 3 Sec. 3.6.3.1. The natural appearance of the canyon will be re-established with only the sealing of the portal due to the total lack of vegetation on an exposed seam.

Minimal adverse impacts are anticipated to the surrounding environment. Surface water will not enter the mine due to the overhanging ledge and dip of the coal seam at this point. Also, this is a dry area of the mine, so no mine water is anticipated to be discharged from the portal. If water were to be encountered, Co-Op would take whatever action was necessary to contain this water within the mine.

There are no raptor nests present within a half mile of the portal

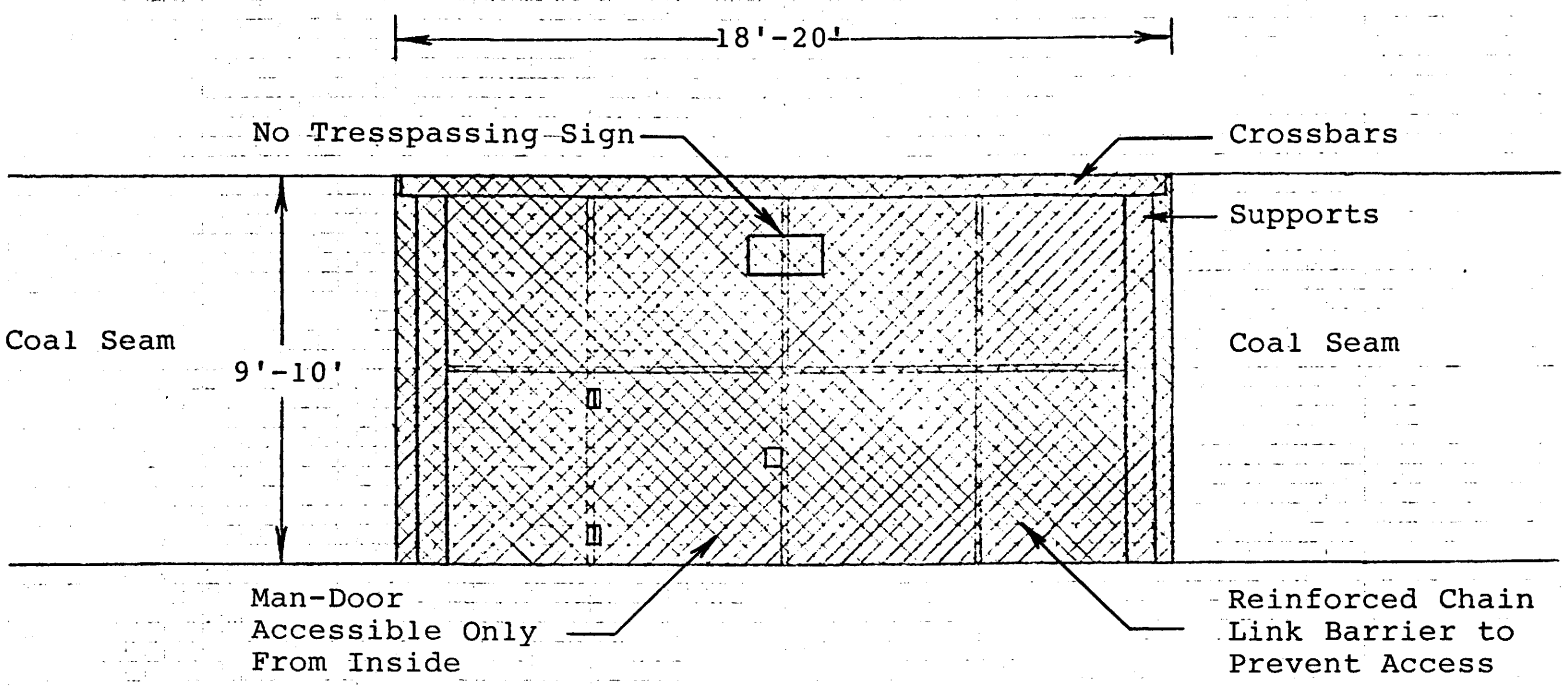
as noted on Co-Op's most recent raptor survey.

Due to the intake nature of this portal and distance from the fan, no increase in noise should be anticipated after construction is completed. Work will be accomplished during the winter months so as not to create disturbance during elk calving period or deer fawning periods. Vegetation and forage loss is not anticipated due to the absence of vegetation on an exposed coal seam.

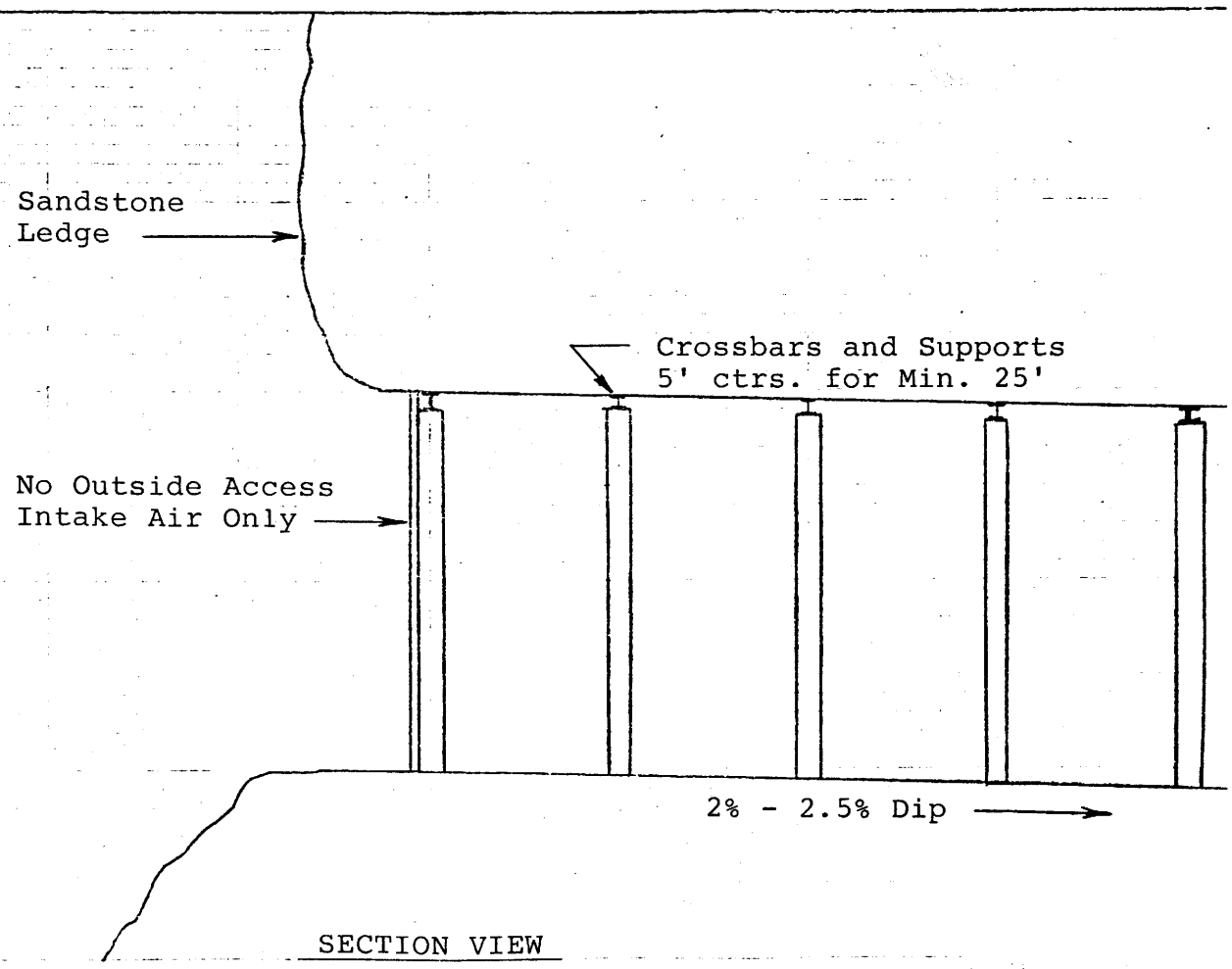
BLIND CANYON

PROPOSED PORTAL

Scale: 1"=5' 12/10/85



END VIEW



SECTION VIEW

Please reference the following section of the existing Bear Canyon MRP.

Mine Entries (Reclamation) Chapter 3 pp.3-87,88 Section 33.6.3.1.

Mine Safety Chapter 3 pp. 3-24 Section 3.4.6

Mine Ventilation Chapter 3 pp. 3-10,11 Section 3.4.1.5.6