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STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
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355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

March 24, 1988

Mr. Melvin A. Coonrod
Co-Op Mining Company
P. O. Box 1245
Huntington, Utah 84528

Dear Mr. Coonrod:

Re: Initial Completeness Review, Fee Property Addition, Co-Op Mining Company, Bear Canyon Mine, ACT/015/025, Folder #2, Emery County, Utah

Attached is the Initial Completeness Review (ICR) for the Permit Application Package noted above that was submitted to our office on February 18, 1988.

The most notable deficiency in the proposed addition to the permit area appears to be the lack of data for groundwater. Additionally, coal, roof and floor chemical data for the Bear Canyon and Hiawatha seams needs to be provided.

Please feel free to contact me if you should desire any clarification on particular problems or would desire to meet with the Division technical staff to discuss these issues.

Comments from other state agencies except for Division of State History have not been received at this time. A copy of the State History letter is attached. Other agency comments will be forwarded to you as soon as they arrive.

Sincerely,

John J. Whitehead for

Lowell P. Braxton
Administrator
Mineral Resource Development
and Reclamation Program

JJW/djh
Attachment
cc: E. Kingston
R. Hagen, AFO
Technical Review Team
0800R/60

INITIAL COMPLETENESS REVIEW
BEAR CANYON MINE FEE PROPERTY ADDITION
ACT/015/025

Co-Op Mining Company
March 24, 1988

UMC 782.14 Compliance Information-(DD)

(5)(c) The applicant must submit a current list of all Notice of Violations (NOVs) received by the applicant during the past three-year period.

UMC 783.12 General Environmental Resources Information-(PGL)

(a) The mine workings map(s) for the Bear Canyon (Plate 3-4) and/or Hiawatha (Plate 3-4A) seams must be updated to delineate the projected timing and sequence for mining in the additional fee property.

UMC 783.13 Description of Hydrology and Geology: General Requirements-(TM)

In the fee lease application (five) localized roof drip areas and two sources of 20 and 40 gpm, located in the north end of the inactive east bleeders, were noted in the text. No physical or chemical water data was submitted to document sampling of these sites. As well, no maps were submitted identifying any water sources encountered in-mine.

Utilizing the approved in-mine monitoring program in the Bear Canyon Permit Application Package (PAP), the applicant needs to collect baseline flow and chemical data for all in-mine sites prior to approval of the PAP and a total of two year's baseline data prior to any change to operational monitoring.

UMC 783.14 Geology Description-(RVS)

(a)(2)(iii) The PAP must incorporate data that identify pyritic content and potential alkalinity of the stratum immediately above and below the coal seam(s) to be mined, and the clay content of the stratum immediately below the coal seam(s) to be mined. The Division recommends acquiring in-mine samples adjacent to the southern boundary of the proposed addition to the permit for the Bear Canyon Seam. If mining is anticipated in the Hiawatha Seam,

in-mine boreholes at the southern boundary of the proposed addition will suffice for the data needed for the Hiawatha Seam.. Sampling locations must be identified on an appropriate map.

(a)(2)(iv) The PAP must incorporate data that identify the pyrite, marcasite and sulfur content of the coal seams. The Division recommends acquiring in-mine samples and in-mine borehole data adjacent to the southern boundary of the proposed permit area. Sampling locations must be identified on an appropriate map.

UMC 783.15 Ground Water Information-(RVS)

(a)(4) The PAP must incorporate data pertaining to the quality of encountered ground water. (See comments under UMC 783.13).

UMC 783.24 Maps: General Requirements-(RVS)

(c) The PAP must incorporate a map showing the boundaries of all areas to be affected over the estimated total life of the underground coal mining activities, with a description of the size, sequence and timing of the mining of subareas for which it is anticipated that additional permits will be sought.

UMC 783.25 Cross Sections, Maps and Plans-(PGL)

(c) The PAP must include a map showing the nature, depth and thickness of coal to be mined in the additional fee area.

(i) Locations of additional or new surface facilities associated with mining in the additional fee property must be included in the PAP.

UMC 784.11 Operation Plan: General Requirements-(RVS)

(a) The PAP must incorporate an updated narrative that describes the type and method of coal mining procedures, proposed engineering techniques and the major equipment to be used for development in the additional fee property.

UMC 784.14 Reclamation Plan: Protection of Hydrologic Balance-(TM)

(b)(3) The PAP must incorporate a commitment to monitoring in-mine waters in the fee property addition according to the approved Bear Canyon mine plan.

UMC 784.19 Underground Development Waste-(PGL)

The PAP must incorporate a description of how underground development waste will be handled for the additional fee property.

UMC 784.20 Subsidence Control Plan-(RVS)

The PAP must incorporate a survey of renewable resource lands within the proposed permit and adjacent area. If renewable resource lands exist, then the PAP must include information listed under parts (a) and (b) of this regulation.

UMC 784.23 Operation Plans: Maps and Plans-(PGL)

(b)(12) The PAP must incorporate a map that locates any additional water or subsidence monitoring points.

Technical Deficiencies
Bear Canyon Mine Fee Property Addition
ACT/015/025

March 24, 1988

UMC 817.59 Coal Recovery-(PGL)

The PAP must address how underground coal mining activities will be conducted so as to maximize the utilization and conservation of the coal.

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