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Consolidation Coal Company
Mid-Continent Region
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April 7, 1993

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DIVISION OF
OIL GAS & MINING

Mr. Daron R. Haddock
Permit Supervisor
Utah Division of Oil, Gas and Mining
355 North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Emery Mine, Permit #ACT 015/015
Division Order #93A (Pond No. 8)
Additional Information Requested March 17, 1993

Dear Mr. Haddock:

As required by the above referenced correspondence, Consolidation Coal Company herein submits the requested additional information to supplement the February 5, 1993 response to Division Order #93A. The items of concern and corresponding responses are addressed as follows:

1. All maps, designs and drawings need to be individually certified.

All maps and drawings provided in the February 5, 1993 submittal have been individually certified and are attached for resubmittal. Replace the certified Plates II-1, III-4, IV-8 and VI-10. Replace the certified drawings of Chapter VI, Volume 2, Appendix VI-7, pages 52I and 52J. Replace the certified drawings of Chapter VI, Volume 2, Appendix VI-6, pages 26, 27, 27A, 27C and 27D. Certification of the design information was provided in the February 5, 1993 submittal and no additional design changes have been made.

2. Maps need to contain sufficient contours to calculate or verify pond volumes.

The plan view drawing for proposed Pond No. 8 has been revised to better define the proposed contours inside the pond. See revised and certified page 52I, Appendix VI-7, Volume 2, Chapter VI.

3. Scales of maps are not appropriate.

The revised plan view drawing for proposed Pond No. 8, at a scale of 1 inch = 100 feet, has been expanded to better illustrate the watershed of proposed Pond No. 8. See revised and certified page 52I, Appendix VI-7, Volume 2, Chapter VI.

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4. Embankment and slope stability is not addressed.

The proposed Pond No. 8 embankment is an existing embankment constructed in 1978 and continues to remain stable. This existing structure prevents Quitchupah Creek from flooding the mine yard area. The structure is protected from creek erosion by rock rip-rap placed along the downstream slope of the embankment. The interior of the embankment has also functioned as a sediment controlling catch basin structure, collecting storm water runoff and preventing untreated water from discharging the mine area.

This existing embankment will continue to serve these same functions with the exception of an 8 inch dewatering pipe proposed to be placed through the embankment to discharge the treated storm water runoff from the mine area. Based on the 15 years of long term stability exhibited by the embankment and the existing slope protection provided, this embankment should continue to remain a stable structure.

5. Designs show excessively steep slopes.

The embankment slopes illustrated in Cross-Section A-A, page 52J, Appendix VI-7, Volume 2, Chapter VI were inadvertently mislabeled. The existing embankment for proposed Pond No. 8 has a downstream slope of 2.5 horz. to 1 vert. and upstream slope of 2 horz. to 1 vert. determined from field measurement. The proposed excess cut material disposal site will maintain a slope of 3 horz. to 1 vert. Cross-section A-A has been revised to show the correct slopes.

If there are any additional questions, please contact this office.

Respectfully,



John A. Gefferth
Group Leader - Permits

JAG;cdp/vls

Attachments