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February 5, 1993

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DIVISION OF
OIL GAS & MINING

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

Re: Emery Mine, Permit #ACT/015/015
Response to Division Order #93A Issued January 8, 1993
Response to Deficiencies in Correspondence Dated December 8, 1992

Dear Mr. Haddock:

As required by the above referenced correspondences, Consolidation Coal Company herein submits responses to the above items of concern:

Division Order #93-A

Requested permit changes are attached to convert the existing depression area adjacent to the mine office buildings, referred to as Catch Basin "A", to Sediment Pond No. 8. This depression area has effectively provided sediment control for several years and will continue to do so as a sediment pond. The proposed changes made to Permit ACT 015/015, pertaining to this order are as follows:

1) Sediment Pond No. 8 Design

This pond will be constructed by placing a dewatering pipe through the existing "Improved Dike" embankment of Catch Basin "A". Insert the design of Pond No. 8 in Chapter VI, Volume 2, Appendix VI-7, pages 52A.1 thru 52J. Replace the revised Plates II-1, IV-8 and VI-10.

2) HEC-1 Computer Routings

In support of the Sediment Pond No. 8 design and subsequent drainage system, HEC-1 routings for the 100 yr/6 hr event and 10 yr/6 hr event are provided. Insert the HEC-1 computer routings for Sediment Pond No. 8 in Chapter VI, Volume 2, Appendix VI-9.

Mr. Daron Haddock
February 5, 1993
Page 2

3) Removal of Reference to Catch Basin "A"

Replace revised page 1, Appendix VI-7, Volume 2, Chapter VI.
Replace revised page 1, Appendix VI-8, Volume 2, Chapter VI.
Remove pages 2 thru 5, Appendix VI-8, Volume 2, Chapter VI.

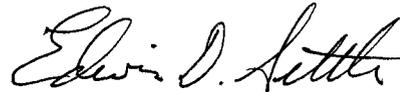
In response to the deficiencies in your letter dated December 8, 1992 please find the following changes:

- 1) The location of the topsoil pile adjacent to the plant access road on Plate III-4 was revised to reflect actual field conditions.
- 2) Plate II-1 was revised to show the berm adjacent to the plant access road as a continuous berm, as it is in the field.
- 3) The actual disturbed area has increased by 1.0 acre due to the increase in the area designated for the temporary waste rock site and the berm adjacent to the plant access road. The addition of 1.0 acre to the actual disturbed area requires a subtraction of 1.0 acre from the proposed near future disturbance area. Please find enclosed revised Pages III-2, 6 and IV-17, 18 to be inserted in the Permit to reflect the above mentioned changes.
- 4) The existing ground surface was misinterpreted by the reviewer as the peak water surface in Ditch 2A. Figures VI-27B and VI-27C have been revised to better define these drawings. Replace revised pages 27C and 27D, Appendix VI-6, Volume 2, Chapter VI.
- 5) The conservative ditch design information contained in Permit ACT 015/015 for Temporary Ditches No. 1 and No. 2 have been revised to better represent conditions at the site, thereby reducing the original, conservative design peak flow rates. The HEC-1 computer routing model was used to route the 10 year/6 hour design event through this system of ditches which will discharge into Sediment Pond No. 8. Replace revised pages 23 thru 27B, Appendix VI-6, Volume 2, Chapter VI.
- 6) Ditch No. 1 and No. 2 were evaluated for flow velocities along the steep sections of these ditches. Flow velocities for Ditch No. 2 along the steep section do exceed permissible velocities and will require widening the steep section of Ditch 2 to a 2 foot flat bottom ditch. Flow velocities along Ditch No. 1 do not exceed permissible velocities.

Mr. Daron Haddock
February 5, 1993
Page 3

- 7) Design and description of the existing 12 inch CMP culvert at the plant access road was submitted on January 14, 1992 in response to an inspection report dated December 19, 1991. See pages 5 and 5a, Appendix IV-7-C, Chapter IV.
- 8) Road ditch designs for the plant access road are provided. Replace revised page 5, Appendix IV-7-C, Chapter IV. Insert page 5b, Appendix IV-7-C, Chapter IV. The location of these ditches will be dictated by field conditions during road construction and will be submitted with the "As-Built" upon completion of the plant access road construction.

Respectfully,



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Environmental Quality Control Dept.

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