

**Consolidation Coal Company**

Western Region
2 Inverness Drive East
Englewood, Colorado 80110
303-770-1600

April 2, 1979

Mr. Cleon B. Feight
Director
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

Mr. Steve McNeal
Division of State Health
150 West North Temple
Salt Lake City, Utah 84110



RE: Emery Deep Mine Sedimentation Pond Design

Dear Messrs. Feight and McNeal:

Enclosed for your review are Consol's revised plans for sedimentation ponds to be constructed to comply with OSM regulations. The drawings that are part of this plan are being sent under separate cover.

In addition to the enclosed guideline specifications, the following information should be considered part of Consol's submittal.

1. FINAL RECLAMATION AND REVEGETATION

At the conclusion of all underground mining activity, existing haulage belts, and ventilation portals will be sealed using concrete block walls, backfilled with dirt, recontoured and seeded.

All buildings, power facilities, and ventilation systems will be removed from the mine site, (see table for list of surface structures), and their component parts moved to other locations for sale, salvage, or reuse. Once this is accomplished, surface grading will be performed as necessary.

All areas graded after abandonment will have positive drainage to Quitcupah Creek or Christiansen Wash. Also, graded slopes will not exceed 3:1.

Soils which are intended to support vegetation will be tested by standard methods to determine nutrient deficiencies prior to the revegetation effort. Any additional soil treatment employed as an aid to revegetation will be based on the results of soil testing. As an area is prepared for revegetation the surface will be graded, disked, mulched and seeded as necessary.

The revegetation objective at Emery Mine is the establishment of a diverse permanent ground cover meeting the needs of the proposed land use by utilizing as many species native to the area as possible. Based on the above revegetation objective, the seed mixture will include both introduced and native species. Based on greenhouse studies conducted on soils located near the Emery Mine, practical experience in revegetation areas under semi-arid conditions, and recommendations of the USDA Soil Conservation Service, District Conservationists for Emery County, Utah, the following grasses and shrubs are being considered for inclusion in the seed mixture:

- | | |
|--------------------------|-------------------------|
| 1. Streambank Wheatgrass | 7. Siberian Wheatgrass |
| 2. Crested Wheatgrass | 8. Nuttal Saltbrush |
| 3. Russian Wildrye | 9. Mat Saltbrush |
| 4. Indian Ricegrass | 10. Scarlet Globemallow |
| 5. Alkali Sacaton | 11. Shadscale |
| 6. Fourwing Saltbrush | 12. Galetta |

After seeding, straw or hay (approximately 1500-2000 pounds per acre) mulch will be added, when necessary, to promote moisture retention and minimize the erosion of loose surface materials.

Due to the high slopes around Christiansen Wash, and the rocky nature of the land, grazing prior to vegetation establishment should not be a problem.

Vegetation establishment and growth will be monitored and corrective actions taken if necessary.

Upon approval of the reclamation of the surface facilities, the three settling ponds that are proposed in this plan will be reclaimed and revegetated in a manner similar to that noted above.

2. CONTROL OF DISCHARGE

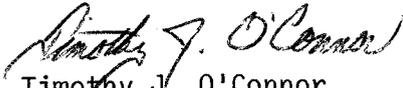
The main settling pond is the only pond which will discharge into a creek. The slide gate which controls this discharge will be locked by means of a chain and lock. The Emery Mine Superintendent or his designated representative will be in charge of control of the discharge and maintenance of the ponds and dikes.

Enclosed with this letter is a copy of our application for a NPDES discharge permit. As you know a discharge permit cannot be issued until the Division of Health approves construction of the ponds.

Our contractor plans on beginning construction of the multiplate arch bridge sometime around April 16. If it is at all possible, and if we

have the proper approvals, he would like to begin work on the sediment structures at that time. Your consideration is appreciated.

Sincerely,

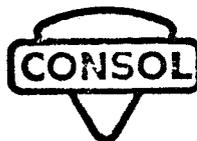

Timothy J. O'Connor
Staff Mining Engineer

TOC:bf

cc: Badovinak, J.
Borell, S.
Fuller, L.
Hanks, T.
Hughes, R.
Murray, J.

EMERY DEEP MINE SURFACE FACILITIES

<u>STRUCTURE</u>	<u>NUMBER</u>
Main Office Building	1
Support Office Building	3
Warehouse Building	4
Shop	1
Bathhouse	3
Reverse Osmosis Water Treatment Building	1
Truck Scales	1
Mine Substation	1
100,000 Gallon Water Tank	1
Mine Dewatering Pump	1
Mine Water Settling Pond	1
Coal Crushing, Screening & Loadout Facilities	1



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July 24, 1978

Mr. Robert Burm
Enforcement Division - Permits
U.S. Environmental Protection Agency
Suite 900, 1860 Lincoln Street
Denver, Colorado 80203

RE: Request for Modification of NPDES Permit No. UT-0022616

Dear Mr. Burm:

Consolidation Coal Company (Consol) herein requests permission to incorporate two (2) additional discharge points into the Emery underground mine NPDES permit (No. UT-0022616).

One discharge point will be located at $38^{\circ}51'15''$ latitude and $111^{\circ}15'30''$ longitude adjacent to Quitcupah Creek about four (4) miles south of Emery, Utah. The purpose of this discharge will be to operate a sedimentation pond which must be designed and constructed in accordance with the initial federal surface mining regulations.

The second discharge point will be located at $38^{\circ}51'20''$ latitude and $111^{\circ}15'20''$ longitude about 800 feet northeast of the first new discharge point. The second discharge will be an intermittent overflow from a water storage tank which supplies water for drinking, bathing, fugitive dust suppression, and operation of mine equipment. A water sample taken from a water line leading to the tank on June 30, 1978 yielded the following analytical results:

pH	7.7
suspended solids	6.0 mg/l
total iron	0.04 mg/l
total manganese	0.01 mg/l

We believe that this data indicates that the second discharge should easily meet the NPDES permit conditions.

Both proposed discharge points are identified on the attached topographic map.

If you need any additional information to process this request, please advise me. Your prompt action on this request will be greatly appreciated.

Sincerely,

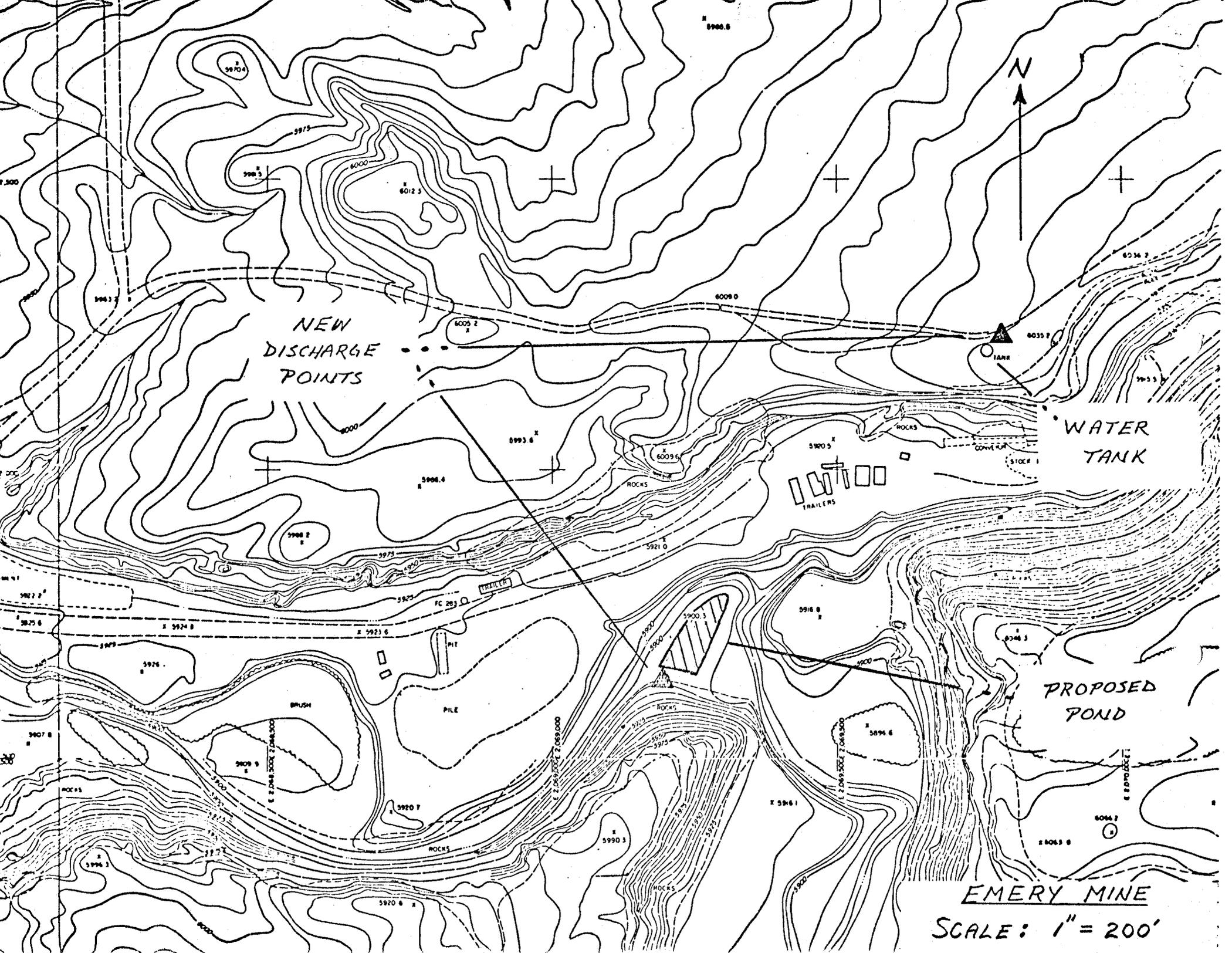


John M. Kaufman
Regional Supervisor
Environmental Quality Control

JK:bf

cc: Utah Division of Health
Mr. Cleon B. Feight, Director
Utah Division of Oil, Gas, and Mining

bcc: Barthauer, G.
Borell, S.
Harvel, G.
Hughes, R.
Karkaria, N.
Silbernagel, D.
Slagel, G.



NEW
DISCHARGE
POINTS

WATER
TANK

PROPOSED
POND

EMERY MINE
SCALE: 1" = 200'