



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

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

June 11, 1985

HAND DELIVERED

Mr. Eldon Kingston
Co-Op Mining Company
P. O. Box 1245
Huntington, Utah 84528

Dear Mr. Kingston:

RE: June 11, 1985 Submittal for the Proposed Truck Loadout at
the Bear Canyon Mine, ACT/015/025, #3, #4 and #7, Emery
County, Utah

The Division has reviewed the revised bonding calculations in your letter of June 11, 1985. The revised calculations address all concerns raised in our review of the June 3rd submittal from Mel Coonrod of your staff.

No outstanding technical deficiency matters remain on this proposed truck loadout. The Division hereby approves this amendment.

Thank you for your cooperation on this matter.

Sincerely,

John J. Whitehead
Permit Supervisor/
Reclamation Hydrologist

btb

cc: Mel Coonrod
Dianne Nielson
Pam Grubaugh-Littig
Wayne Hedberg
Dave Lof

9294R-30

The truck Loadout "Isolated Reclamation Costs" will necessitate the removal of approximately 50 tons of steel. This steel is made up of:

1. 3 cylindrical stacking tubes and supports, 8 X 65 X 8
2. Metal "I" beams supporting structures
3. 130' of conveyor assemble
4. Associated scrap metal (cutting, etc.)

The stacking tubes are cut free from their supporting foundation by means of an acetylene torch (2 men, 4 hours). The stacking tubes will then be toppled, utilizing a D-7 Crawler tractor (10 min.) Then the three tubes are lifted and strapped in place on a lowboy deisel truck tractor and are transported 32 miles to salvage yard in Price, Utah (allowing for traffic, an estimate of two hours, truck and trailor time). The tubes will be loaded utilizing an RT 580 Crane (Estimate .5 hours loading time).

The tunnel tubes are excavated utilizing a Cat 235 Backhoe. Average ground cover over the tunnel is 1.5 feet. (Estimate of yardage to be removed - 10' X 5' X 100' = 5,000 cu. ft. - 186 cu. yds./3.36 cu. yds./per minute. Allow a 50% overage due to the proximity of the tube for a total time of 55 min.).

Steal "I" supports are excavated and pulled free utilizing a 235 backhoe (6 supports at 15 minutes per beam - 1.5 hours allowing 1 hour loading of "I" beams on a lowboy truck; 1 hour Groves RT 580 Crane; 2 hours transportation to Price and return.)

Assorted scrap iron hand loaded into a 950 B Loader bucket and dump into 10 yds. End Dump truck. (4 hours - 2 men labor; dump truck and loader; 2 hours transport to Price and return.)

Conveyor disassembled and hand loaded onto lowboy trailer (2 men, 2 days; transport to Price and return, 2 hours).

Concrete support structure excavated with tunnel tube removal and pushed a maximum distance of 500 linear feet to opposing highwall to be buried in conjunction with loadout recontouring (P-108E).

A Crawler tractor Cat D-7 will be utilized (1 hour and 50 minutes).

Total cost estimates based on above procedures are:

D-7 Crawler	2	hours @ 182.40/hr.	364.80
Lowboy Truck & Trailer	5.5	hours @ 93.30/hr.	513.15
10 yd. Dump	6	hours @ 79.30/hr.	475.80
580 Crane	2	hours @ 113.20/hr.	226.40
950 B Loader	4	hours @ 142.45/hr.	569.00
(All equipment with operator)			
Labor	32	hours @ 29.25/hr.	<u>936.00</u>
TOTAL			\$ 3,085.15

Earth moving, planting, seeding etc. is addressed in Reclamation Bond Submittal.

Cycle time estimates Cat D-7G

Average Haul - 500 linear feet

Slope - 10% to 20%

* Based on Caterpillar Production index graph - LCY/hr. - 200 cu. yds/hour

Rocky soils - 6" to 36" diameter material at a 40% frequency with sand-gravel loam comparable to Co-Op Mine properties.

* Caterpillar Performance Manual - D-7G