



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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*Outgoing
CO070013
OK*

April 11, 1985

Mr. Douglas C. Pearce
Kaiser Steel Corporation
P. O. Box D
Sunnyside, Utah 84539

Dear Mr. Pearce:

RE: Review of Geneva Bond Submittal, Board Order No. 5
(September 28, 1984), Kaiser Steel Corporation, Geneva
Mine, ACT/007/013, #5 and #6, Carbon County, Utah

Attached is a copy of the review comments for the Geneva bond submittal of March 29, 1985. Your timely reply to the concerns in the reclamation cost estimated is requested by April 25, 1985. A new bond must be submitted to the Division by May 1, 1985.

If you have any questions, please call me or Pam Grubaugh-Littig of my staff.

Sincerely,

Lowell P. Braxton
Administrator
Mineral Resource Development
and Reclamation Program

PGL/btb
Enclosure
cc: Dianne Nielson
Ron Daniels
Pam Grubaugh-Littig
John Whitehead
8808R-42

BOND

Kaiser Steel Corporation
Geneva Mine
ACT/007/013, Carbon County, Utah

April 10, 1985

1. There are differences in the volumes of material in the demolition and disposal:

July 31, 1984 - Kaiser Submittal

Brick Buildings
and Structures

Concrete Buildings
and Structures

764,415 cf

Steel Buildings
and Structures

555,013 cf

Block and Steel

9,990 cf

Railroad Tracks

14,570 cf

August 6, 1985 - Division Estimate

Brick Buildings
and Structures

604,511 cf

Concrete Buildings
and Structures

Steel Buildings
and Structures

555,013 cf

Block and Steel

9,990 cf

Railroad Tracks

14,570 cf

March 29, 1985 - Kaiser Submittal

Brick Buildings
and Structures

609,511 cf

Concrete Buildings
and Structures

758,404 cf

Steel Buildings
and Structures

506,537 cf

Block and Steel

Railroad Tracks

13,070 cf

The figures must be clarified. Are the volumes from new information? Maps? Specifications? Please explain.

2. The updated costs for the 1985 Means Costs on annotated pages 15 and 16 are enclosed.
3. The earthwork calculations in the new submittal have different volumes from the July 31, 1984 Kaiser submittal. Please explain.
4. The rock tunnel was deleted from the list of portals to be sealed. Why?
5. Total Amount of Seed, PLS/lb in dollars is low @ \$8.00. Please demonstrate how the \$8.00 was derived?
6. The monitoring costs for erosion must include one piece of equipment one day per year (a D-6).
7. The hydrologic monitoring includes five ponds while the sedimentation pond section of the submittal includes nine ponds. This inconsistency must be clarified and the correct amount included in the monitoring costs.
8. It is unlikely that one man day per quarter for monitoring 50 acres of vegetation is adequate. The cost of more days of vegetational monitoring is required.
9. A 10 percent contingency must be included and added to the final amount.

REFERENCES

- (1) - \$0.21
- (2) - \$0.15
- (3) - \$0.16
- (4) - \$0.16
- (5) - \$0.16
- (6) - \$11.90
- (7) - \$0.84
- (8) - \$0.24
- (9) - \$1.09
- (10) - \$0.35
- (11) - \$0.76
- (12) - \$1.37
- (13) - \$1.38
- (14) - \$1.60
- (15) - \$3.42
- (16) - \$2.74
- (17) - \$10.05
- (18) - \$128.30/hr

(19) - \$88.20/hr
(20) - \$90.55
(21) - \$1.02
(22) - \$4.56
(23) - \$29.25
 \$22.20
 \$22.40
 \$29.25
 \$27.55
 \$23.20
 \$22.90
 \$24.10

References

- | | | | |
|------|-----------|--------------|---|
| (1) | Means (1) | 2.3-250-0100 | Concrete demolition & disposal,
1985 \$0.21 |
| (2) | Means | 2.3-250-0 | Steel demolition & disposal,
1985 \$0.15 |
| (3) | Means | 2.3-250-0200 | Masonry demolition & disposal,
1985 \$0.16 |
| (4) | Means | 2.1-250-0800 | Wood demolition & disposal,
1985 \$0.16 |
| (5) | Means | 2.1-250-0300 | Demolition, mixture of types,
1985 \$0.16 |
| (6) | Means | 2.3-250-3500 | Railroad track removal, \$11.65 - 11.90
1985 |
| (7) | Means | 2.3-160-1650 | Loading, \$0.83 1.84/1985 |
| (8) | Means | 2.3-370-1100 | Ripping, 300 hp/cy, \$0.23 (1.24-1985) |
| (9) | Means | 2.3-370-3250 | Ripping, 300 hp, 300' haul,
\$1.08 (1.09-1985) |
| (10) | Means | 2.3-163-5020 | Haul 50', 300 hp, common
earth, \$0.34 (.35-1985) |
| (11) | Means | 2.3-163-5220 | Haul 150', 300 hp, common
earth, \$0.75 (.76-1985) |
| (12) | Means | 2.3-163-5420 | Haul 300', 300 hp, common
earth, \$1.35 (1.37-1985) |
| (13) | Means | 2.3-300-0310 | Haul 1/4 mi round trip, \$1.36 (.38-1985) |
| (14) | Means | 2.3-300-0320 | Haul 0.5 mi round trip,
12 cy dump, \$1.57 (1.60-1985) |
| (15) | Means | 2.3-300-0100 | Haul 2 mi round trip, 6 cy,
\$3.36 (3.42-1985) |
| (16) | Means | 2.3-300-0450 | Haul 3 mi round trip,
12 cy dump, \$2.69 (2.74-1985) |

- (17) Means 2.3-300-0550 Haul 10 mi round trip,
12 cy dump, \$9.90 *10.05-1985*
- (18) Dataquest (2) 10-15 *ok* Excavator, CAT 255, \$128.30/hr
- (19) Dataquest 9-7 *ok* Grader, CAT 120 G Motor,
\$88.20/hr
- (20) Dataquest 21-19 *ok* Bucket, Eimco 911, 1 yd,
\$76.75 hourly + \$13.80
operating cost = \$90.55
- (21) Means 2.3-081-5680 Compactor, sheeps foot roller,
8" lifts, 2 passes, \$0.99 *1.02-1985*
- (22) Means 4.3-270-1600 Blocks, solid 8" x 8" x 16",
purchase and install, \$4.36 *4.56-1985*
- (23) Means (3) (4) Labor Rates
- | | |
|--------------------|-------------------|
| Skilled Workers | \$29.25 <i>hr</i> |
| Ave. Helper | 22.20 <i>hr</i> |
| Building Labor | 22.40 <i>hr</i> |
| Equipment Operator | |
| Medium | 29.25 <i>hr</i> |
| Light | 27.55 <i>hr</i> |
| Truck Driver | |
| Heavy | 23.20 <i>hr</i> |
| Light | 22.90 <i>hr</i> |
| Wrecking | 24.10 <i>hr</i> |

- (1) All Means references refer to the following reference unless otherwise noted.
Robert Snow Means Co., Inc. 1984. Means Site Work Cost Data. Third Annual Edition.
- (2) Dataquest Incorporated. 1984. Rental Rate Blue Book. Dataquest Inc.
- (3) Robert Snow Means Co., Inc. 1984. Means Building Construction Cost Data. 42nd Annual Edition.
- (4) A number of citations were used in obtaining these labor rates.