



STATE OF
COLORADO

Cazier - DNR, Tim <tim.cazier@state.co.us>

Canon dolomite

1 message

Gary Tuttle <garyjtuttle@gmail.com>

Mon, Jul 13, 2015 at 3:51 PM

To: "Cazier, Tim" <Tim.Cazier@state.co.us>

Tim

I trying to respond to your question on phased bonding, I realized that I did not include Exhibit L in the June 4 documents.

It is attached here.

I understand that you and John are meeting soon to define the questions for his response.

Let me know when you want to visit the site.

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2 attachments



15-5-18 Exh L text.docx

24K



15-5-18 L Exh L Table L-1.xls

43K

6.4.11 EXHIBIT L – RECLAMATION COSTS

The reclamation work at the site will proceed concurrently with the mining. Therefore the costs to finish reclamation at a point in time can vary. The costs for reclamation in this Exhibit are calculated for a point in the operation where disturbed land is identified as maximum. That point is several years from now (4 to 7 years) when:

- The Fines Disposal Area is seeded but not released. Reseeding may be necessary.
- The Mine Area has mining on the second bench (elev. 6135 at the north to elev. 6153 at the south) and a substantial flat area of the bench is open. The post law disturbed area east of the mine must be reclaimed.
- The Old Quarry Fines Disposal Area is undergoing filling and is half disturbed.

Acres in various stages of reclamation are:

- | | |
|-----------------------|----|
| • Fines Disposal Area | 3 |
| • Mine Area | 19 |
| • Old Quarry | 3 |
| • Total | 25 |

The table on the following pages details the reclamation work items, provides quantities, and calculates costs.

Exhibit L
TABLE L-1

Reclamation Costs

Estimated

5/29/2015

#	ITEM	QTY	UNITS	UNIT COST	COST
A	Fines Disposal Area, Detail 1, Exh. F				
1	reseed by broadcast	3	ac	\$300.00	\$900.00
2	apply mulch and fertilizer by hydrospray	3	ac	\$550.00	\$1,650.00
B	Mine Area, Detail 2, Exh. F				
1	fill at 4:1 the vertical face of bench, 1000' Haul & dump fines on half of flat second bench with	16667	cy	\$1.15	\$19,167.05
2	fines, 6 acres, 8" to 12" depth, 3500' haul	6486	cy	\$4.10	\$26,592.60
3	grade out fines on second bench Haul & dump fines on half of flat first bench with	6486	cy	\$0.55	\$3,567.30
4	fines, 4 acres, 8" to 12" depth, 4500' haul	4324	cy	\$4.25	\$18,377.00
5	Grade out fines on first bench	4324	cy	\$0.55	\$2,378.20
6	Haul & dump fines at east edge of bench Push fines over onto post law disturbed area on	3243	cy	\$4.10	\$13,296.30
6	east side of bench, 3 acres, 8" to 12" depth	3243	cy	\$0.55	\$1,783.65
7	Hydrospray seed, fertilizer, and mulch on #1 face	1.4	ac	\$850.00	\$1,190.00
8	Drill seed, fertilizer, and straw mulch on bench, #2	6	ac	\$850.00	\$5,100.00
9	Drill seed, fertilizer, and straw mulch on bench, #4	4	ac	\$850.00	\$3,400.00
10	Remove water tank	1	ea	\$600.00	\$600.00
	Old Quarry Fines Disposal Area, Detail 3, Exh.				
C	F				
1	Haul large diam. rock from mine for channel, 4000'	800	cy	\$2.25	\$1,800.00
2	Construct rock lined channel, 450', See p. A-18 of Drainage Report, Exh. E	450	lf	\$143.29	\$64,480.50
	Hydrospray seed, fertilizer, & mulch on sloped area,				
3	1 acre	1	ac	\$850.00	\$850.00
	Drill seed, fertilize, and straw mulch on open area, 2				
4	acres	2	ac	\$850.00	\$1,700.00
	Weed control for two years	2	ea	\$4,000.00	\$8,000.00
	Subtotal				\$174,832.60
	Adminstration			0.1	\$17,483.26
	Contingency			0.05	\$8,741.63
	GRAND TOTAL				\$201,057.49
	FINANCIAL WARRANTY AMOUNT				\$202,000.00