



COLORADO

Division of Reclamation,
Mining and Safety

Department of Natural Resources

1313 Sherman St. Room 215
Denver, CO 80203

April 22, 2019

Randy Ross
434 Private Road 3591
Piedmont, MO 63957

Re: St. Mary's Mine, File No. P-2019-002
Notice of Revised Reclamation Cost Estimate and Required Surety Amount

Dear Mr. Ross:

The Colorado Division of Reclamation Mining and Safety (DRMS or Division) has reevaluated the Reclamation Cost Estimate that was originally sent to you on April 10, 2019. The revised cost estimate is enclosed. The Division will require a financial warranty in the amount of \$878.00. Prior to approval of the Notice of Intent to Conduct Prospecting operation, you will need to submit the required surety and appropriate form. It is my understanding that you have already sent the Division a financial warranty in the amount originally calculated (\$252.00) and the required form. The Division has not received these items as of yet. I will let you know when we have received them. Please submit the additional \$626.00.

If you have any questions, please contact me at Jared.Ebert@state.co.us or (303) 866-3567 ext. 8120.

Sincerely,

Jared Ebert
Environmental Protection Specialist III

Enclosure: *1.) CIRCES Cost Estimate, April 22, 2019*



COST SUMMARY WORK

Task description: _____

Site: St. Mary's Mine

Permit Action: February 2019 NOI

Permit/Job#: P2019002

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 4/22/2019

County: Clear Creek

Filename: P002-000

User: JLE

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Reclamation of the affected land	MINESEAL	1	8.00	\$92
002	Mobilization of reclamation crew	MOBILIZE	1	0.54	\$74
003	Revegetation	REVEGE	1	3.00	\$130
<u>SUBTOTALS:</u>				11.54	\$296

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$6

Performance bond: 1.05

Total = \$3

Job superintendent: 5.77

Total = \$421

Profit: 10.00

Total = \$30

TOTAL O & P = \$460

CONTRACT AMOUNT (direct + O & P) = \$756

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$0

Total = \$0

Engineering work and/or contract/bid preparation: 10.00

Total = \$76

Reclamation management and/or administration: 5.00

\$38

CONTINGENCY: 3.00

Total = \$9

TOTAL INDIRECT COST = \$582

TOTAL BOND AMOUNT (direct + indirect) = \$878

SAFEGUARDING UNDERGROUND OPENINGSTask description: **Reclamation of the affected land**Site: **St. Mary's Mine**Permit Action: February 2019 NOIPermit/Job#: P2019002**PROJECT IDENTIFICATION**Task #: 001State: ColoradoAbbreviation: NoneDate: 4/22/2019County: Clear CreekFilename: P002-001User: JLEAgency or organization name: DRMS**UNIT COSTS**

Opening Description	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
30 test holes - by hand	4 feet deep, 10" Diameter	Shaft closure - backfilling, by hand	3.50	CY	\$13.00	\$45.50
Backfill settling basin	5 feet deep, 12' diameter	Shaft closure - backfilling, by hand	3.60	CY	\$13.00	\$46.80

Job Hours: 8.00**Total Cost:** \$92.30

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mobilization of reclamation crew**Site: **St. Mary's Mine**Permit Action: **February 2019 NOI**Permit/Job#: **P2019002****PROJECT IDENTIFICATION**Task #: **002**
Date: **4/10/2019**
User: **JLE**State: **Colorado**
County: **Clear Creek**Abbreviation: **None**
Filename: **P002-002**Agency or organization name: **DRMS****EQUIPMENT TRANSPORT RIG COST**Shift basis: **1 per day**
Cost Data Source: **CRG Data**Truck Tractor Description: **GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED, 400 HP
(2ND HALF, 2006)**Truck Trailer Description: **GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T,
AND 100T)****Cost Breakdown:**

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	\$16.63	\$18.37	\$22.33
Operating Cost/Hour:	\$44.38	\$46.13	\$50.07
Operator Cost/Hour:	\$27.66	\$27.66	\$27.66
Helper Cost/Hour:	\$0.00	\$25.39	\$25.39
Total Unit Cost/Hour:	\$88.67	\$117.55	\$125.45

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
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Subtotals: **\$0.00** **\$0.00** **\$0.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 3/4 T.	\$67.83	2	\$135.66	\$135.66

Subtotals: **\$135.66** **\$135.66****EQUIPMENT HAUL DISTANCE and Time**Nearest Major City or Town within project area region: **IDAHO SPRING**
Total one-way travel distance: **12.20** miles
Average Travel Speed: **45.00** mphTotal Non-Roadable Mob/Demob Cost * **\$0.00**
** two round trips with haul rig:Total Roadable Mob/Demob Cost ** **\$73.56**
** one round trip, no haul rig:**Transportation Cycle Time:**

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.27	0.27
Return Time (Hours):	0.27	0.27
Loading Time (Hours):	0.00	NA
Unloading Time (Hours):	0.00	NA
Subtotals:	0.54	0.54

JOB TIME AND COST

Total job time: 0.54 Hours

Total job cost: \$74

REVEGETATION WORKTask description: **Revegetation**Site: **St. Mary's Mine**Permit Action: February 2019 NOIPermit/Job#: P2019002**PROJECT IDENTIFICATION**

Task #: 003
 Date: 4/22/2019
 User: JLE

State: Colorado
 County: Clear Creek

Abbreviation: None
 Filename: P002-003

Agency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials Cost/Acre	\$0.00

Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

TILLING

Description	Cost /Acre
	\$
Total Tilling Cost/Acre	\$0.00

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Fringed Brome grass - Native	3.00	5.51	\$8.46
Meadow Brome - Fleet	4.00	3.67	\$20.48
Mountain Brome - Bromar	4.00	6.43	\$17.80
Rocky Mountain Fescue	0.60	9.64	\$3.80
Slender Wheatgrass - Native	4.00	14.60	\$11.52
Slender Wheatgrass - San Luis	4.00	14.60	\$13.24
Tufted Hairgrass	0.50	28.70	\$5.48
Totals Seed Mix	20.10	83.15	\$80.78

Application

Description	Cost /Acre
Broadcast seeding [DMG]	\$267.22
Total Seed Application Cost/Acre	\$267.22

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description	Cost /Acre
	\$
Total Mulch Application Cost/Acre	\$0.00

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre					\$0.00

JOB TIME AND COST

No. of Acres:	0.25	Cost /Acre:	\$348.00
Estimated Failure Rate:	50%	Cost /Acre*:	\$348.00
*Selected Replanting Work Items:	SEEDING		

Initial Job Cost:	\$87.00
Reseeding Job Cost:	\$43.50
Total Job Cost:	\$130
Job Hours:	3.0