



COLORADO

Division of Reclamation,
Mining and Safety

Department of Natural Resources

1313 Sherman St. Room 215
Denver, CO 80203

April 10, 2019

Randy Ross
434 Private Road 3591
Piedmont, MO 63957

Re: St. Mary's Mine, File No. P-2019-002
Notice of Deficient Notice of Intent To Conduct Prospection

Dear Mr. Ross:

On February 15, 2019, the Division of Reclamation, Mining and Safety ("DRMS" or "Division") received your Notice of Intent to Conduct Prospecting form ("NOI") for the St. Mary's Mine, which is located in Clear Creek County. All comment and review periods began on February 15, 2019. Upon review of the NOI, the Division found the NOI form to be deficient on February 26, 2019 and provided you with a list of items to address. On April 5, 2019 the Division received a response from you to the deficiency items identified. Many of the issues are considered resolved. Below is a list of issues that remain outstanding that will need to be addressed. The original deficiency item is listed below along with a copy of your response followed with the Division's response.

II – Maps and Drawings:

4. Included with the NOI form was a color aerial photograph with what appears to be historic/previously affected mining features such as adits, processing tailings, trench dig, waste dumps, etc. However, it is unclear if this map is depicting historic or previously affected area, features of the proposed NOI operation, or a blending of the two. Please update this aerial photograph with the following:
 - a. Adequate distance scale
 - b. North arrow
 - c. Legend that clearly indicates if a feature is a historic feature and/or part of the proposed operation.
 - d. **Ross Response:** Leslie McFadden with U.S.F.S. (lmcfadden@fs.fed.us) visited the site on August 23, 2017 by acting District Ranger. Basia Trout, Abandoned Mine lands, Coordinator Trex Skillen, Archaeologist Larry Fullenkamp, Recreation Tech Brant Wobig, Lands and Minerals Staff Leslie McFadden. The site was visited again on August 31, 2017 by Hydrologist Carl Chambers. I was informed that there nothing there for historic elements.
 - e. **DRMS Response:** The updated color photo map submitted depicts the proposed testing areas for both the waste dumps, test holes and chip sampling. However a number of other features are shown on this map as "Adit Entrance", "Rail Metal", "Process Tailings", "Waste Dump", and "Trench Dig". The Division assumes these are features that currently exist at the site? Please confirm?

III – Project Description

10. Item #6 part I indicates you plan to use a dredge as part of your operation. What water will be dredged? If you intend to use water from the adjacent drainage, you will need to obtain the appropriate water right



and/or use decree from the Colorado Division of Water Resources. Please update Item #6 part K to indicate the source of the water to be used by the dredge and how the water will be legally obtained and used.

- a. **Ross Response:** Yes, we need the dredge for testing our samples. I need about 100 gallons in a hole the size of a bath tub and will reuse the sample water over and over that would be for testing the ground or dirt, rock for minerals.
- b. **DRMS Response:** The Division understand that water will be used in the operation.
 - i. Please clarify where the water will be obtained?
 - ii. Based on our phone conversations and a follow-up e-mail, it appears you are working with the Colorado Division of Water Resources on obtaining any necessary approvals (if required). Please commit to obtaining the applicable approvals if necessary from the Colorado Division of Water Resources for the use of the water for the operation.

Financial Warranty

16. The Division has conducted a cost estimate of the reclamation operation for the proposed NOI. The Division estimates the cost of reclamation to be about \$252.00. The estimate is attached for your review. If you concur with the estimate please submit the required financial warranty in the form of your choice. Depending on the type of bond you chose to submit, please also provide the required respective form which can be found on our website at <https://mining.state.co.us/Forms/Pages/WarrantyForms.aspx>.

In accordance with Rule 5.1.3(c), the Division has found the deficiencies noted above. These items will need to be addressed by April 27, 2019. If these items remain outstanding by the April 27, 2019 deadline the Division may terminate the NOI file. If you have any questions, please contact me at Jared.Ebert@state.co.us (303) 866-3567 ext. 8120.

Sincerely,



Jared Ebert
Environmental Protection Specialist III

Enclosure: *1.) CIRCES Cost Estimate, April 10, 2019*

COST SUMMARY WORK

Task description: St. Mary's Mine NOI Cost Estimate

Site: St. Mary's Mine

Permit Action: February 2019 NOI

Permit/Job#: P2019002

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 4/10/2019

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	\$167
002	Mobilization of reclamation crew	MOBILIZE	1	0.54	\$37
<u>SUBTOTALS:</u>				8.54	\$204

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$4

Performance bond: 1.05

Total = \$2

Job superintendent: 0.00

Total = \$0

Profit: 10.00

Total = \$20

TOTAL O & P = \$27

CONTRACT AMOUNT (direct + O & P) = \$231

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

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

Total = \$0

Engineering work and/or contract/bid preparation: 4.25

Total = \$10

Reclamation management and/or administration: 5.00

\$12

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$48

TOTAL BOND AMOUNT (direct + indirect) = \$252

SAFEGUARDING UNDERGROUND OPENINGS

Task description: Reclamation of the affected land

Site: St. Mary's Mine Permit Action: February 2019 NOI Permit/Job#: P2019002

PROJECT IDENTIFICATION

Task #: 001 State: Colorado Abbreviation: None
Date: 4/10/2019 9:51:55 AM County: Clear Creek Filename: P002-001
User: JLE

Agency 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
Revegetation of affected land	.25 acres @ \$300/acre (Per US Forest Service)	USER PROVIDED ITEM	0.25	ACRE	\$300.00	\$75.00

Job Hours: 8.00

Total Cost: \$167.30

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: Mobilization of reclamation crew

Site: St. Mary's Mine

Permit Action: February 2019 NOI

Permit/Job#: P2019002

PROJECT IDENTIFICATION

Task #: 002

State: Colorado

Abbreviation: None

Date: 4/10/2019

County: Clear Creek

Filename: P002-002

User: JLE

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
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	1	\$67.83	\$67.83

Subtotals: **\$67.83** **\$67.83**

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 mph

Total Non-Roadable Mob/Demob Cost * \$0.00

 ** two round trips with haul rig:

Total Roadable Mob/Demob Cost ** \$36.78

 ** one round trip, no haul rig:

Transportation Cycle Time:

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

JOB TIME AND COST

Total job time: **0.54** Hours

Total job cost: **\$37**