

May 14, 2021

Patrick Moran US Forest Service Rio Grande National Forest 1803 West HWY 160 Monte Vista, CO

Re: Miller Midwest, File No. P-2021-004, Notice of Intent to Conduct Prospecting Operations (NOI), Request for Concurrence

Dear Mr. Moran,

On March 22, 2021 the Division of Reclamation, Mining and Safety received the above listed application for the Miller Midwest Notice of Intent to Conduct Prospecting Operations (NOI) located on US Forest Service Lands (USFS) within Mineral County. During the Division's technical Adequacy Review period a Reclamation Cost Estimate was performed. Based on the details of the project, Division Staff has estimated the total Reclamation Cost to ensure reclamation of all affected lands at \$6,073.00. The Reclamation Cost Estimate Worksheets are enclosed. Per the Memorandum of Understanding, please review these calculations and provide documentation of concurrence for the Financial Warranty amount.

Upon receiving concurrence, the calculation will be provided to the applicant so they may submit the appropriate Financial Warranty for the site. Please note the application will not be granted the final Authorization to Proceed from our office until all necessary permits are also obtained from the USFS and copies are provided to the Division. If you have any questions please feel free to contact me at the Division's Grand Junction Field Office, by phone at 303-866-3567 Ext. 8187 or by email at lucas.west@state.co.us.

Sincerely,

Lucas West

Environmental Protection Specialist Division of Reclamation, Mining and Safety

Encl: Reclamation Cost Estimate Worksheets

Cc: Tyler Miller, GRE Inc.



COST SUMMARY WORK

: Miller M	idwest	Permi	Action: New App	Permit/Job#:	P2021004
PROJECT	<u>IDENTIFICAT</u>	<u>TION</u>			
Task #:	5/12/2021		Colorado	Abbreviation:	None
Date: User:	5/12/2021 LJW	County:	Mineral	Filename:	P004-000

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Install closure on adit	MINESEAL	1	0.00	\$3,898
002	Replace earthen backfill	EXCAVATE	1	16.59	\$1,260
003	Mobilization	MOBILIZE	1	4.85	\$915
		SUBTO	ΓALS:	21.44	\$6,073

SAFEGUARDING UNDERGROUND OPENINGS

te: N	Iiller Midwest	Permit Action: New App	Permit/Joba	#: P2021004
<u>OJECT</u>	T IDENTIFICAT	CION		
Γask #:	001	State: Colorado	Abbreviation: No	one
	5/12/2021	County: Mineral	Filename: P0	04-001
Date:	5/12/2021			

UNIT COSTS

Opening Description	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
Midwest Adit	10 x 10	Adit closure - grate only,	1.00	EA	\$3,898.00	\$3,898.00
		no door (per opening)				

 Job Hours:
 0.00
 Total Cost:
 \$3,898.00

HYDRAULIC EXCAVATOR WORK

Task description:	Repla	ce earthen b	ackfill				
te: Miller Midwest		Perm	nit Action:	New App		Permit/Jo	ob#: P2021004
PROJECT IDENTIF	<u>ICATIO</u>	<u>N</u>					
Task #: 002 Date: 5/12/202 User: LJW	1		Colorado Mineral		Abl	oreviation: Filename:	None P004-002
Agency or org	anization n	ame: DRN	MS				
HOURLY EQUIPM	ENT COS	<u>ST</u>					
Basic Machine: Attachment 1:	Cat 307 ROPS C	D 7'-3" Sticl	<u>k</u>	1	Horsepower: Weight (MT): Shift Basis: Data Source:		56 7.23 per day (CRG)
Cost Breakdown:						·	
Ownership Cost Operating Cost Operator Cost Total Unit Cost	t/Hour:	\$19.99 \$18.64 \$37.32 \$75.95	2	Utilization % NA 100 NA	 		
Total Fleet Cos	st/Hour:	\$75.95	5				
MATERIAL QUANT Initial volume: Loose volume:	1,714 1, 714		CCY LCY	Swell fact	or: 1.000		
Source of e		ed volume: well factor:	150 tons Cat Hand	@ 11.4 CY/Ton lbook			
HOURLY PRODUC	TION						
Excavator Cycle Time (1	oad bucket	, swing loade	ed, dump b	oucket, swing em	<u>pty):</u>		
Load Bucket Capacity	Second			ondition Descript n Basic Descript Cycle Time Va	ion: AVER		minutes
Load Bucket Capacity					Bucket Size	Class: L	arge
Rated Capaci Bucket Fill Fact Adjusted Capaci	or:	0.59 1.025 0.60	LCY (he Rock - E LCY	aped) arth Mixture (10	0%-105%) 1.0	025	
Job Condition Correction	n Factors			Site	e Altitude: 10	200 feet	
Altitude Adj: Job Efficiency: Net Correction:	0.8	33	Source (CAT HI (1 shift/da multiplier	3) ny)			
A	Adjusted H	ourly Unit Pr ourly Unit Pr ourly Fleet Pr	oduction:	149.94 103.29 103.29	LCY/Hou LCY/Hou LCY/Hou	ır	
JOB TIME AND CO	<u>ST</u>						
Fleet size:	1	Excavator	To	otal job time:	16.	59	Hours
Unit cost: \$0	0.735	/LCY		Total job cost:	\$1,2	260	

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: Me	obilization			
Site: Miller Midwest	Permi	t Action: New Ap	pp Permit/Jo	b#: P2021004
PROJECT IDENTIFICAT	<u>ION</u>			
Task #: 003	State: C	Colorado	Abbreviation:	None
Date: 5/12/2021	County: M	Ineral	Filename:	P004-003
User: LJW				
Agency or organization	n name: DRMS	S		
1-8-117, 11 1-8-111111		-		
EQUIPMENT TRANSPOR	RT RIG COST			
			G1 : C 1	1 1
				1 per day
			Cost Data Source:	CRG Data
Truck Tractor Des	cription: GENI	ERIC ON-HIGHWA	AY TRUCK TRACTOR, 6X4,	DIESEL POWERED,
			400 HP (2ND HALF, 2006)	
Truck Trailer Des	cription: C		IG GOOSENECK, DROP DEC	~
		TR	AILER (25T, 50T, AND 100T))
Cost Breakdown:				
	1			
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons	
Ownership Cost/Hour:	\$17.20	\$29.63	\$38.69	
Operating Cost/Hour:	\$26.56	\$47.02	\$55.69	
Operator Cost/Hour:	\$23.63	\$23.63	\$23.63	
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53	

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

\$67.39

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/uni t	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat 307D 7'-3" Stick	7.95	\$19.99	\$67.39	1	\$87.38	\$67.39	\$250.00

\$141.54

\$123.81

Subtotals: \$87.38 \$67.39 \$250.00

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.	\$13.23	1	\$13.23	\$13.23

Subtotals: \$13.23 \$13.23

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

SOUTH FORK

25.00

miles

mph

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.71	0.71
Return Time (Hours):	0.71	0.71
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	2.43	1.43

JOB TIME AND COST

Total job time:	4.86	Hours
Total job cost:	\$915	