

May 16, 2025

Joseph Harrington ALSH, LLC 8200 S Quebec St, Suite A3-187 Centennial, Co 80112

Re: Sooner Lucky Strike Mine and Mill - File No. M-1982-020 ALSH, LLC Surety Increase (SI-1) Increase FW to \$73,103

Dear Joseph Harrington:

On May 16, 2025 the Division of Reclamation, Mining and Safety increased the Financial Warranty requirement for this permit to \$73,103.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of **\$23,110.46**.

The Division ordered amendment of the current Financial Warranty or submittal of a new Financial Warranty reflecting the increase is due within 60 days.

Please make arrangements with Sara M. Stevenson-Benn at the Division's Denver office for submittal of the financial warranty. Any other questions regarding completion, execution and/or submittal of financial warranty forms should also be directed to Sara M. Stevenson-Benn by telephone at (303) 866-3567, or by email at Sara.stevenson-benn@state.co.us.

The Permittee for this site may be scheduled for a Formal Board Hearing for possible revocation of the permit if the amount of any increased Financial Warranty has not been provided by **July 15, 2025**.

If you have any questions, please contact me by telephone at (970) 433-8393, or by email at Dustin.czapla@state.co.us.

Sincerely,

Dustin M. Czapla Environmental Protection Specialist

cc: Jacob H. Wilkinson



COST SUMMARY WORK

ite:	Sooner L and Mill	ucky Strike Min	ne Per	rmit Action:	2025-01-02 Update	Permit/Jol	o#: <u>M1982020</u>
<u>P</u>]	ROJECT	IDENTIFICA	<u>FION</u>				
	Task #:	000	State:	Colorado		Abbreviation:	None
	Date:	1/2/2025	County:	Gunnison		Filename:	M020-000
	User:	DMC					

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Dewater lined pond	PUMPING	1	1.99	\$121
02a	Remove and dispose of chemicals and debris	DEMOLISH	1	20.00	\$9,200
03a	Seal shafts	MINESEAL	1	8.00	\$5,701
04a	Backfill and grade pond	DOZER	1	19.77	\$6,359
05a	Push overburden over tailings pond area	DOZER	1	35.15	\$11,304
06a	Distribute topsoil	DOZER	1	20.85	\$6,707
07a	Revegetate disturbed areas	REVEGE	1	4.00	\$10,900
08a	Mobilize reclamation crew and equipment	MOBILIZE	1	3.14	\$3,184
		<u>SUBTC</u>	OTALS:	112.9	\$53,476

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$1,080
Performance bond:	1.05	Total =	\$561
Job superintendent:	56.45	Total =	\$4,475
Profit:	10.00	Total =	\$5,348
		TOTAL O & P =	\$11,464
		CONTRACT AMOUNT (direct + O & P) =	\$64,940

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): Engineering work and/or contract/bid preparation: Reclamation management and/or administration:	6.80	Total = Total =	\$500 \$4,416 \$3,247
CONTINGENCY:	0.00	Total =	\$0
	TOTAL IN	NDIRECT COST =	\$19,627
TOTAL BO	ND AMOUNT (d	irect + indirect) =	\$73,103

PUMPING WORK

Sooner Lucky Strike				
	Mine Permit	Action:		
Ltd		2025-01-02 Upda	ate Permit/Job#:	M1982020
PROJECT IDENTIFI	ICATION			
Task #: 01A	State: C	Colorado	Abbreviation:	None
Date: 1/2/2025	County: C	Junnison	Filename:	M020-01a
User: DMC				
Agency or organ	nization name: DRMS	S		
HOURLY EQUIPME				
	Description		Quantity	
Make and Model:	Centrifugal pump - 90)M. 6 in.	Quantity	
Attachment 1:	Suction hose - 6 in. di		2	
Attachment 2:	Discharge hose - 6 in.	D., 25 ft.	4	
Labor Unit 1:	Pump operator		1	
Horsepower:	65			
	ber day			
Weight:	1.05			
(US	S Tons)			
Cost Breakdown:				
		Utilization %		
Ownership Cost/H		NA	_	
Operating Cost/H		100	_	
Operator Cost/H Total Unit Cost/H		NA	_	
	Hour: \$60.79			
Total Fleet Cost/	Hour: \$60.79			
PUMPING QUANTIT	ГIES			
Initial Pond Volu		00	Conversion factor:	7.4805
Final Pond Volu				7.4803
	ame. 1 10,100.	<u> </u>	Unit inflow rate in	
	face			
Total Pond Inflow Sur	rface Area: 520	Sq. ft.	gph/sq. ft.:	0.0000
Total Pond Inflow Sur	Area: 520	Sq. ft.		0.0000
Total Pond Inflow Sur A	Area: 520	Sq. ft gallons		0.0000
Total Pond Inflow Sur A Total Pond Inflow Vol per H	Area: 520 Jume Jour: 0.00		gph/sq.ft.: _	0.0000
Total Pond Inflow Sur A Total Pond Inflow Vol per H	Area: 520 Jume Jour: 0.00	gallons	gph/sq.ft.: _	0.0000
Total Pond Inflow Sur A Total Pond Inflow Vol per H Source o <u>PUMPING TIME</u>	Area: 520 Jume Jour: 0.00 of estimated volume:	gallons Approx. 180' x 80' x 2' (av	gph/sq. ft.: _ /g. depth)	0.0000
Total Pond Inflow Sur A Total Pond Inflow Vol per H Source o <u>PUMPING TIME</u> Max	Area: 520 Jume Jour: 0.00 of estimated volume: imum Pump Capacity:	gallons	gph/sq. ft.: _ /g. depth) gph/pump	0.0000
Total Pond Inflow Sur A Total Pond Inflow Vol per H Source o <u>PUMPING TIME</u> Max Es	Area: 520 Jume Jour: 0.00 of estimated volume:	gallons Approx. 180' x 80' x 2' (av 90,000	gph/sq. ft.: _ /g. depth)	0.0000
Total Pond Inflow Sur A Total Pond Inflow Vol per H Source o <u>PUMPING TIME</u> Max Es	Area: 520 Jume Jour: 0.00 of estimated volume: imum Pump Capacity:	gallons Approx. 180' x 80' x 2' (av 90,000 2	gph/sq. ft.: _ 'g. depth) gph/pump feet	0.0000
Total Pond Inflow Sur A Total Pond Inflow Vol per H Source o <u>PUMPING TIME</u> Max Es	Area: 520 Jume Jour: 0.00 of estimated volume: timum Pump Capacity: stimated Suction Head: nated Discharge Head: Total Head: CPB Pump Capacity:	gallons Approx. 180' x 80' x 2' (av 90,000 2 0 2 90,000 2 90,000 2 90,000	gph/sq. ft.: _ rg. depth) gph/pump feet feet	0.0000
Total Pond Inflow Sur A Total Pond Inflow Vol per H Source o <u>PUMPING TIME</u> Max Es	Area: 520 Jume Jour: 0.00 of estimated volume: imum Pump Capacity: stimated Suction Head: nated Discharge Head: Total Head:	gallons <u>Approx. 180' x 80' x 2' (av</u> <u>90,000 2 0 2 0 2 0 2</u>	gph/sq. ft.: _ /g. depth) gph/pump feet feet feet	0.0000
Total Pond Inflow Sur A Total Pond Inflow Vol per H Source o <u>PUMPING TIME</u> Max Es Estin	Area: 520 Jume Jour: 0.00 of estimated volume: timum Pump Capacity: stimated Suction Head: nated Discharge Head: Total Head: CPB Pump Capacity: Site Altitude:	gallons Approx. 180' x 80' x 2' (av 90,000 2 0 2 90,000 2 90,000 9,150	gph/sq. ft.: _ /g. depth) gph/pump feet feet feet feet gph/pump	0.0000
Total Pond Inflow Sur A Total Pond Inflow Vol per H Source o <u>PUMPING TIME</u> Max Es Estin Adjust	Area: 520 Jume Jour: 0.00 of estimated volume: timum Pump Capacity: stimated Suction Head: nated Discharge Head: Total Head: CPB Pump Capacity: Site Altitude: ted Pumping Capacity:	gallons Approx. 180' x 80' x 2' (av 90,000 2 0 2 0 2 90,000 9,150 90,000	gph/sq. ft.: _ /g. depth) gph/pump feet feet feet feet gph/pump	0.0000
Total Pond Inflow Sur A Total Pond Inflow Vol per H Source o <u>PUMPING TIME</u> Max Es Estin Adjust Initial Unad	Area: 520 Jume Jour: 0.00 of estimated volume: imum Pump Capacity: stimated Suction Head: nated Discharge Head: Total Head: CPB Pump Capacity: Site Altitude: ted Pumping Capacity: ljusted Pumping Time:	gallons Approx. 180' x 80' x 2' (av 90,000 2 0 2 90,000 9,150 90,000 2.39	gph/sq. ft.: _ /g. depth) gph/pump feet feet feet gph/pump feet gph hours	0.0000
Total Pond Inflow Sur A Total Pond Inflow Vol per H Source o <u>PUMPING TIME</u> Max Es Estin Adjust Initial Unad Inflow d	Area: 520 Jume Jour: 0.00 of estimated volume: imum Pump Capacity: stimated Suction Head: nated Discharge Head: Total Head: CPB Pump Capacity: Site Altitude: ted Pumping Capacity: ljusted Pumping Time: during Initial Pumping:	gallons Approx. 180' x 80' x 2' (av 90,000 2 0 2 90,000 9,150 90,000 2.39 0	gph/sq. ft.: _ /g. depth) gph/pump feet feet feet gph/pump feet gph gph gph gallons	0.0000
Total Pond Inflow Sur A Total Pond Inflow Vol per H Source o <u>PUMPING TIME</u> Max Es Estin Adjust Initial Unad Inflow d Net Unad	Area: 520 Jume Jour: 0.00 of estimated volume: imum Pump Capacity: stimated Suction Head: nated Discharge Head: Total Head: CPB Pump Capacity: Site Altitude: ted Pumping Capacity: ljusted Pumping Time: during Initial Pumping: ljusted Pumping Time:	gallons Approx. 180' x 80' x 2' (av 90,000 2 0 2 90,000 9,150 90,000 2.39 0 2.39 0 2.39	gph/sq. ft.: _ /g. depth) gph/pump feet feet feet gph/pump feet gph hours gallons Hours	0.0000
Total Pond Inflow Sur A Total Pond Inflow Vol per H Source o PUMPING TIME Max Es Estin Adjust Initial Unad Inflow d Net Unad Altitu	Area: 520 Jume Jour: 0.00 of estimated volume:	gallons Approx. 180' x 80' x 2' (av 90,000 2 0 2 0 90,000 9,150 90,000 2.39 0 2.39 0 0 2.39 0.9100	gph/sq. ft.: _ rg. depth) gph/pump feet feet gph/pump feet gph hours gallons Hours (3% rule)	0.0000
Total Pond Inflow Sur A Total Pond Inflow Vol per H Source o PUMPING TIME Max Es Estin Adjust Initial Unad Inflow d Net Unad Altitu Pu	Area: 520 Jume Jour: 0.00 of estimated volume:	gallons Approx. 180' x 80' x 2' (av 90,000 2 0 2 90,000 9,150 90,000 2.39 0 2.39 0.9100 0.9167	gph/sq. ft.: _ rg. depth) gph/pump feet feet feet gph/pump feet gph/pump feet gph hours gallons Hours (3% rule) (55 min./hr.)	0.0000
Total Pond Inflow Sur A Total Pond Inflow Vol per H Source o PUMPING TIME Max Es Estin Adjust Initial Unad Inflow d Net Unad Altitu Pu Total Ad	Area: 520 Jume Jour: 0.00 of estimated volume: imum Pump Capacity: stimated Suction Head: mated Discharge Head: Total Head: CPB Pump Capacity: Site Altitude: ted Pumping Capacity: ljusted Pumping Time: during Initial Pumping: ljusted Pumping Time: ude Adjustment Factor: ump Efficiency Factor: ljusted Pumping Time:	gallons Approx. 180' x 80' x 2' (av 90,000 2 0 2 0 90,000 9,150 90,000 2.39 0 2.39 0 0 2.39 0.9100	gph/sq. ft.: _ rg. depth) gph/pump feet feet gph/pump feet gph hours gallons Hours (3% rule)	0.0000
Total Pond Inflow Sur A Total Pond Inflow Vol per H Source o PUMPING TIME Max Es Estin Adjust Initial Unad Inflow d Net Unad Altitu Pu	Area: 520 Jume Jour: 0.00 of estimated volume: imum Pump Capacity: stimated Suction Head: mated Discharge Head: Total Head: CPB Pump Capacity: Site Altitude: ted Pumping Capacity: ljusted Pumping Time: during Initial Pumping: ljusted Pumping Time: ude Adjustment Factor: ump Efficiency Factor: ljusted Pumping Time:	gallons Approx. 180' x 80' x 2' (av 90,000 2 0 2 90,000 9,150 90,000 2.39 0 2.39 0 0 2.39 0.9100 0.9167 2.00	gph/sq. ft.: _ rg. depth) gph/pump feet feet feet gph/pump feet gph hours gallons Hours (3% rule) (55 min./hr.) hours	
Total Pond Inflow Sur A Total Pond Inflow Vol per H Source o PUMPING TIME Max Es Estin Adjust Initial Unad Inflow d Net Unad Altitu Pu Total Ad	Area: 520 Jume Jour: 0.00 of estimated volume: imum Pump Capacity: stimated Suction Head: mated Discharge Head: Total Head: CPB Pump Capacity: Site Altitude: ted Pumping Capacity: ljusted Pumping Time: during Initial Pumping: ljusted Pumping Time: ude Adjustment Factor: ump Efficiency Factor: ljusted Pumping Time:	gallons Approx. 180' x 80' x 2' (av 90,000 2 0 2 90,000 9,150 90,000 2.39 0 2.39 0.9100 0.9167	gph/sq. ft.: _ rg. depth) gph/pump feet feet feet gph/pump feet gph hours gallons Hours (3% rule) (55 min./hr.) hours	0.0000

CIRCES Cost Estimating Software

DEMOLITION WORK

Task description	on: Rem	ove and dispose of chemi	cals and debris			
Sooner Luc Site: Ltd	ky Strike Mine	Permit Action:2	025-01-02 Update	Po	ermit/Job#: _	M1982020
PROJECT IDENT	FICATION					
Task #: 02A Date: 1/2/2025 User: DMC		State: <u>Colorado</u> ounty: <u>Gunnison</u> me: DRMS		Abbrevia Filena		
<u>UNIT COSTS</u>				Location	adjustment	<u>: 92.10 %</u>
Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Remove and haul (inert) items from mill	35 cy	Loading and 2 mile haul, no salvage - Hand loading	35.00	СҮ	\$58.50	\$2,047.50
Chem & hydrocarbon disposal	55 gal drum	Hazardous waste removal - Drum solids/liquids, per drum (7+ drum job)	, 22.00	DRUM	\$360.98	\$7,941.52
Job Hours:	20.00	Subtotal (unadjusted):	\$9,989.02	(adj	otal Cost usted for ocation):	\$9,199.89

Notes for final reclamation:

- 1. Mill structure will remain onsite as permanent building.
- 2. Select mill-related items (certain vats, pumps, valves, belting, for example) that are inert and/or are subject to degradation will be removed and disposed of at licensed facility.
- 3. The operator will maintain all chemicals and hydrocarbons in their original packaging, with legible labels.
- 4. All mill-related chemicals and hydrocarbons will be removed from the site.
- 5. All unopened drums and bags will be returned to the supplier, with no net charge for removal.
- 6. All opened drums and bags will be removed by licensed contractor and disposed of in licensed facility for hazardous or contaminated materials.
- 7. Assume average package to remove is 55-gallon drum, dry or liquid contents, drum is intact and labeled with no need for testing or use of overpack drum for transportation.
- 8. Used oil will be pumped to 55-gallon drums and properly disposed of.
- 9. Bulk diesel fuel will be pumped to tank truck and returned to supplier, no net charge.

SAFEGUARDING UNDERGROUND OPENINGS

Site:	Task description: Sooner Lucky Strike M Ltd	Seal shafts	Permit Action:	2025-01-02 Update	Permit/.	Job#:
PROJE	CT IDENTIFICATIO	<u>N</u>				
Task #: Date: User:	1/2/2025	State: County:	Colorado Gunnison		Abbreviation: Filename:	None M020-03a
	Agency or organiza	ation name:	DRMS			
UNIT C	<u>COSTS</u>					

Opening Description	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
Shafts (primary and	10' x 10'	Shaft closure - backfilling	2.00	EA	\$2,850.69	\$5,701.38
escapeway)		(per opening)				

Job Hours: 8.00

Total Cost: \$5,701.38

BULLDOZER WORK

	ion:	0	de pond			
Sooner Lu : <u>Ltd</u>	icky Strike Mi	ne Per	mit Action:	2025-01-02 Update	Permit/Job#:	M1982020
PROJECT	IDENTIFIC	ATION				
Task #:	04A	State:	Colorado		Abbreviation:	None
Date:	1/2/2025	County:	Gunnison		Filename:	M020-04a
User:	DMC .					
Age	ency or organiza	ation name:	RMS			
HOURLY I	EQUIPMEN	<u>Г COST</u>				
Basic Mac		8T - 8SU				
Horsepo		[]				
Blade T Attachr		Universal				
Shift E		lay				
Data So	ource: (CRG))		_		
Cost Breakdo	own:		I	TT.'1' /' 0/		
Ownership (Cost/Hour		\$173.32	<u>Utilization %</u> NA		
Operating (\$109.71	100		
Ripper own.	Cost/Hour:		\$0.00	NA		
Ripper op. (\$0.00	0		
Operator (Cost/Hour:		\$38.59	NA		
Total unit Co Total Fleet Co MATERIA	ost/Hour:	3321.62 3321.62				
		ILS				
Initial Volu Swell fac	me: <u>5,000</u>					
Initial Volu	tme: <u>5,000</u> tor: <u>1.125</u>	CY				
Initial Volu Swell fac Loose volu	tme: <u>5,000</u> tor: <u>1.125</u>	Division		on, Mining & Safety		
Initial Volu Swell fac Loose volu Source of esti	tor: 5,000 1.125 1.125 5,625 L	Division		on, Mining & Safety		
Initial Volu Swell fac Loose volu Source of esti Source of esti	time: $5,000$ tor: 1.125 time: $5,625$ L timated volume: timated swell far	Division ctor: Cat Hand		on, Mining & Safety		
Initial Volu Swell fac Loose volu Source of esti Source of esti	time: $5,000$ tor: 1.125 time: $5,625$ L timated volume: timated swell far PRODUCTIO	Division ctor: Cat Hand		on, Mining & Safety		
Initial Volu Swell fac Loose volu Source of esti Source of esti HOURLY I Average push	time: $5,000$ tor: 1.125 time: $5,625$ L timated volume: timated swell fa PRODUCTIO n distance:	Division ctor: Cat Hand	book	on, Mining & Safety		
Initial Volu Swell fac Loose volu Source of esti Source of esti HOURLY I Average push	time: $5,000$ tor: 1.125 time: $5,625$ L timated volume: timated swell far PRODUCTIO	Division ctor: Cat Hand	book	on, Mining & Safety		
Initial Volu Swell fac Loose volu Source of esti Source of esti <u>HOURLY I</u> Average push Unadjusted ho	time: $5,000$ tor: 1.125 time: $5,625$ L timated volume: timated swell fa PRODUCTIO n distance:	Division ctor: <u>Cat Hand</u> <u>DN</u> on: <u>200 feet</u> <u>491.9 LCY</u>	book	on, Mining & Safety		
Initial Volu Swell fac Loose volu Source of esti Source of esti <u>HOURLY I</u> Average push Unadjusted ho	time: <u>5,000</u> tor: <u>1.125</u> time: <u>5,625 L</u> timated volume: timated swell far the distance: tourly production the sistency description	$\frac{\text{Division}}{\text{ctor:}} \frac{\text{Division}}{\text{Cat Hand}}$ $\frac{200 \text{ feet}}{491.9 \text{ LCY}}$ $\frac{100 \text{ feet}}{100 \text{ feet}} \frac{100 \text{ feet}} \frac{100 \text{ feet}}{100 $	book /hr	on, Mining & Safety 		
Initial Volu Swell fac Loose volu Source of esti Source of esti HOURLY I Average push Unadjusted he Materials con	time: <u>5,000</u> tor: <u>1.125</u> time: <u>5,625 L</u> timated volume: timated swell far the distance: tourly production the sistency description	Division ctor: <u>Cat Hand</u> <u>DN</u> <u>200 feet</u> on: <u>491.9 LCY</u> ption: <u>Loose</u>	book /hr	on, Mining & Safety		
Initial Volu Swell fac Loose volu Source of esti Source of esti HOURLY I Average push Unadjusted ho Materials con Average push	ume: 5,000 ctor: 1.125 ume: 5,625 L imated volume: imated swell fail PRODUCTIO n distance: ourly production isistency description n gradient:	$\frac{\text{Division}}{\text{ctor:}} \frac{\text{Division}}{\text{Cat Hand}}$ $\frac{200 \text{ feet}}{491.9 \text{ LCY}}$ $\frac{100 \text{ feet}}{100 \text{ feet}} \frac{100 \text{ feet}} \frac{100 \text{ feet}}{100 $	book /hr	on, Mining & Safety 		
Initial Volu Swell fac Loose volu Source of esti Source of esti HOURLY I Average push Unadjusted ho Materials con Average push Average site a	ume: $5,000$ ctor: 1.125 ume: $5,625 L$ imated volume: imated swell fa PRODUCTIC n distance: ourly production n sistency description n gradient: altitude: ght:	Division ctor: Cat Hand DN 200 feet on: 491.9 LCY/ ption: Loose s 5 % 0,150 feet	/hr stockpile 1.2			
Initial Volu Swell fac Loose volu Source of esti Source of esti HOURLY I Average push Unadjusted ho Materials con Average push Average site a Material weig Weight descri	ume: 5,000 ctor: 1.125 ume: 5,625 L imated volume: imated swell fa pRODUCTIC n distance: ourly production n sistency description n gradient: ght: iption: n Correction Fa	$\frac{Division}{Cat Hand}$ $\frac{Cat Hand}{DN}$ $\frac{200 \text{ feet}}{491.9 \text{ LCY}}$ $\frac{5 \%}{0.150 \text{ feet}}$ $2,650 \text{ lbs/LCY}$ $\frac{Decomposed rock}{Ctor}$	book /hr stockpile 1.2 - 25% Rock,			
Initial Volu Swell fac Loose volu Source of esti Source of esti HOURLY I Average push Unadjusted he Materials con Average push Average site a Material weig Weight descri Job Condition	ume: 5,000 ctor: 1.125 ume: 5,625 L imated volume: imated swell fail imated swell fail a PRODUCTIC a n distance: ourly production ourly production a n gradient: - altitude: 9 ght: 2 iption: 1	Division ctor: Cat Hand DN 200 feet on: 491.9 LCY/ ption: Loose = 5 % 0,150 feet 2,650 lbs/LCY Decomposed rock ctor 11: 0.	/hr stockpile 1.2	, 75% Earth		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Task # 04A

Adjusted unit production:	284.51 LCY/hr
Adjusted fleet production:	284.51 LCY/hr

JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$1.130/LCY

Total job time:	19.77 Hours
Total job cost:	\$6,359

BULLDOZER WORK

C	cription: Pus	h overburden over tailin	igs politi al ca		
Sooner Ltd	r Lucky Strike Mine	Permit Action:	2025-01-02 Update	Permit/Job#:	M1982020
PROJE(CT IDENTIFICATI	ON			
Task #		State: Colorado		Abbreviation:	None
Date		County: Gunnison		Filename:	M020-05a
User		J		-	
	Agency or organization	name: DRMS			
<u>HOURI</u>	LY EQUIPMENT C	<u>OST</u>			
Basic I	Machine: Cat D8T -	8SU			
	rsepower: 310	-			
	ade Type: Semi-Univ	ersal			
Atta	tachment: NA				
Sh	ift Basis: 1 per day				
Data	a Source: (CRG)				
Cost Brea	akdown				
2000 0100			Utilization %		
Owners	hip Cost/Hour:	\$173.32	NA		
	ing Cost/Hour:	\$109.71	100		
	wn. Cost/Hour:	\$0.00	NA		
	op. Cost/Hour:	\$0.00	0		
	tor Cost/Hour:	\$38.59	NA		
MATER	RIAL QUANTITIES	<u>.</u>			
Initial V Swel	Volume: <u>8,889</u> Il factor: 1.125				
Swel		7			
Swel Loose v	Il factor: 1.125 volume: 10,000 LCY		ion Mining & Safety		
Swel Loose v Source of	Il factor: 1.125 volume: 10,000 LCY f estimated volume: 10000 LCY	Division of Reclamat	ion, Mining & Safety		
Swel Loose v Source of	Il factor: 1.125 volume: 10,000 LCY	Division of Reclamat	ion, Mining & Safety		
Swel Loose v Source of Source of	Il factor: 1.125 volume: 10,000 LCY f estimated volume: f estimated swell factor:	Division of Reclamat	ion, Mining & Safety		
Swel Loose v Source of Source of <u>HOURL</u>	Il factor: 1.125 volume: 10,000 LCY f estimated volume: f estimated swell factor: LY PRODUCTION	Division of Reclamat Cat Handbook	ion, Mining & Safety		
Swel Loose v Source of Source of <u>HOURL</u> Average p	Il factor: 1.125 volume: 10,000 LCY f estimated volume: f estimated swell factor: LY PRODUCTION push distance:	Division of Reclamat Cat Handbook 200 feet	ion, Mining & Safety		
Swel Loose v Source of Source of <u>HOURL</u> Average p	Il factor: 1.125 volume: 10,000 LCY f estimated volume: f estimated swell factor: LY PRODUCTION	Division of Reclamat Cat Handbook	ion, Mining & Safety		
Swel Loose v Source of Source of <u>HOURL</u> Average p Unadjuste	Il factor: 1.125 volume: 10,000 LCY f estimated volume: f estimated swell factor: LY PRODUCTION push distance:	Division of Reclamat Cat Handbook 200 feet 491.9 LCY/hr			
Swel Loose v Source of Source of <u>HOURL</u> Average p Unadjuste Materials	Il factor: 1.125 volume: 10,000 LCY f estimated volume: f estimated swell factor: LY PRODUCTION push distance: ed hourly production: s consistency description	Division of Reclamat Cat Handbook 200 feet 491.9 LCY/hr			
Swel Loose v Source of Source of <u>HOURL</u> Average J Unadjuste Materials	Il factor: 1.125 volume: 10,000 LCY f estimated volume: f estimated swell factor: LY PRODUCTION push distance: ed hourly production: s consistency description push gradient: -5 %	Division of Reclamat Cat Handbook 200 feet 491.9 LCY/hr n:Loose stockpile 1.2			
Swel Loose v Source of Source of <u>HOURL</u> Average p Unadjuste Materials	Il factor: 1.125 volume: 10,000 LCY f estimated volume: f estimated swell factor: LY PRODUCTION push distance: ed hourly production: s consistency description push gradient: -5 %	Division of Reclamat Cat Handbook 200 feet 491.9 LCY/hr			
Swel Loose v Source of Source of <u>HOURL</u> Average p Unadjuste Materials	Il factor: 1.125 volume: 10,000 LCY f estimated volume: f f estimated swell factor: f LY PRODUCTION push distance: ed hourly production: f s consistency description f push gradient: -5 % site altitude: 9,150	Division of Reclamat Cat Handbook 200 feet 491.9 LCY/hr n:Loose stockpile 1.2			
Swel Loose v Source of Source of HOURL Average p Unadjuste Materials Average p Average s	Il factor: 1.125 volume: 10,000 LCY f estimated volume: f estimated swell factor: f estimated swell factor: 1 g estimated for the swell factor: 1 g estimates 1	Division of Reclamat Cat Handbook 200 feet 491.9 LCY/hr n: Loose stockpile 1.2 0 feet	2		
Swel Loose v Source of Source of HOURL Average p Unadjuste Materials Average s Material v Weight do	Il factor: 1.125 volume: 10,000 LCY f estimated volume: f estimated swell factor: f estimated swell factor: LY PRODUCTION push distance: ed hourly production: s consistency description: 5 % push gradient: -5 % site altitude: 9,150 weight: 2,650 escription: Decc	Division of Reclamat Cat Handbook 200 feet 491.9 LCY/hr h:Loose stockpile 1.2) feet) lbs/LCY mposed rock - 25% Rock	2 x, 75% Earth		
Swel Loose v Source of Source of HOURL Average p Unadjuste Materials Average s Material v Weight do	Il factor: 1.125 volume: 10,000 LCY f estimated volume: f estimated swell factor: f estimated swell factor: 1 g estimated for the swell factor: 1 g estimates 1	Division of Reclamat Cat Handbook 200 feet 491.9 LCY/hr h:Loose stockpile 1.2) feet) lbs/LCY mposed rock - 25% Rock	2		
Swel Loose v Source of Source of HOURL Average p Unadjuste Materials Average p Average s Material v Weight da Job Cond	Il factor: 1.125 volume: 10,000 LCY f estimated volume: f f estimated swell factor: f push distance: ed hourly production: s consistency description: g, 150 push gradient: 2,650 weight: 2,650 lescription: Decc lition Correction Factor	Division of Reclamat Cat Handbook 200 feet 491.9 LCY/hr h: Loose stockpile 1.2) feet) lbs/LCY mposed rock - 25% Rock	2		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.5784	
Adjusted unit production: 28	4.51 LCY/hr	

JOB TIME AND COST

Adjusted fleet production: 284.51 LCY/hr

Fleet size:	1 Dozer(s)
Unit cost:	\$1.130/LCY

Total job time:	35.15 Hours
Total job cost:	\$11,304

BULLDOZER WORK

Task description	n: Distrit	oute topsoi	l			
Sooner Luck : Ltd	ky Strike Mine	Peri	nit Action:	2025-01-02 Update	Permit/Job#:	M1982020
		-		•	_	
<u>PROJECT II</u>	DENTIFICATIO	<u>N</u>				
	6A	State:	Colorado		Abbreviation:	None
	/2/2025 DMC	County:	Gunnison		Filename:	M020-06a
			MC			
Agenc	cy or organization na	ame. DR	MS			
HOURLY EC	QUIPMENT COS	<u>ST</u>				
Basic Machi	ne: <u>Cat D8T - 8S</u>	U				
Horsepow						
Blade Ty		sal				
Attachme						
Shift Bas						
Data Sour						
Cost Breakdow	<u>n</u> :			Utilization %		
Ownership Co	ost/Hour		\$173.32	NA		
Operating Co			\$109.71	100		
Ripper own. Co			\$0.00	NA		
Ripper op. Co			\$0.00	0		
Operator Co	ost/Hour:		\$38.59	NA		
Total Fleet Cos <u>MATERIAL</u> Initial Volum Swell facto	QUANTITIES e: <u>8,815</u>					
Loose volum						
Source of estim Source of estim	ated volume: ated swell factor:	Division Cat Hand		ion, Mining & Safety		
HOURLY PR	<u>RODUCTION</u>					
Average push d		200 feet	1			
Unadjusted hou	riy production: _4	91.9 LCY/	nr			
Materials consis	stency description:	Loose s	tockpile 1.2			
Average push g Average site alt		eet				
Material weight	t:1,600 lb	os/LCY				
Weight descript	tion: <u>Top So</u> t	il				
	Correction Factor			Source		
	Operator Skill:		750	(AVG.)		
	ial consistency:		200	(CAT HB)		
Ľ	Dozing method:		000	(GEN.)		
	Visibility:	1.	000	(AVG.)		

Task # 06A

0.830	(1 SHIFT/DAY)
0.800	(FND-RF)
1.000	(CAT HB)
1.000	(CAT HB)
1.438	(CAT HB)
1.000	(PAT)
0.8593	
22.69 LCY/hr	
22.69 LCY/hr	
	0.800 1.000 1.000 1.438 1.000 0.8593 22.69 LCY/hr

JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.761/LCY

Total job time:	20.85 Hours
Total job cost:	\$6,707

REVEGETATION WORK

Site:	Sooner L Ltd	ucky Strike N	fine P	ermit Action:	2025-01-02 Update	Permit/Jol	o#: <u>M1982020</u>
<u>PF</u>	ROJECT	IDENTIFIC	ATION				
<u>PF</u>	ROJECT Task #:	IDENTIFIC 07A	ATION State:	Colorado		Abbreviation:	None
<u>PF</u>				Colorado Gunnison		Abbreviation: Filename:	None M020-07a

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
6-24-24, 10-20-10, 15-15-15	200.00	pound	\$0.45	\$90.64
			Total Fertilizer Materials	
			Cost/Acre	\$90.64

Application

Description		Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)		\$43.12
	Total Fertilizer Application Cost/Acre	\$43.12

TILLING

Description		Cost /Acre
Chisel plowing {DMG}		\$102.41
Weed control spraying (MEANS 31 31 16.13 3100)		\$338.80
	Total Tilling Cost/Acre	\$441.21

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Arizona Fescue - Redondo	1.00	11.48	\$15.06
Bitterbrush, Antelope	2.00	0.62	\$113.03
Crested Wheatgrass - Fairway	2.40	11.02	\$13.98
Pubescent Wheatgrass - Luna	7.20	14.88	\$36.03
Totals Seed Mix	12.60	37.99	\$178.11

Application

Description		Cost /Acre
Drill Seeding (DRMS Survey Cost)		\$236.64
	Total Seed Application Cost/Acre	\$236.64

MULCHING and MISCELLANEOUS

Materials

	Units /			
Description	Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$36.14	\$36.14
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$1,021.70

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$85.37
Weed spray, truck, non-aquatic area, nox. [DMG]		\$83.26
	Total Mulch Application Cost/Acre	\$168.64

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:	4	Cost /Acre:	\$2,180.06	
Estimate	ed Failure Rate:	25%	Cost /Acre*:	\$2,180.06	
*Selected Replanti	ng Work Items:	FERTILIZING,TI	LLING,SEEDING,MU		
		LCHING			
Initial Job Cost:	\$8,720.24				
Reseeding Job Cost:	\$2,180.06				
Total Job Cost:	\$10,900				
Job Hours:	4.00				

Page 1 of 2

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description	: <u>Mo</u>	bilize reclamatio	on crew a	ıd equi	pment			
Sooner Lucky Ltd	v Strike Mine	Permit	Action:	2025-0)1-02 Upd	ate]	Permit/Job#: <u>M</u>	1982020
PROJECT IDE	NTIFICATI	<u>ON</u>						
Task #: 08. Date: 1/2 User: DM	2/2025		olorado unnison				eviation: <u>None</u> lename: <u>M020</u>	0-08a
Agency	or organization	name: DRMS	5					
EQUIPMENT 7	FRANSPOR	<u>F RIG COST</u>						
					C	Shift ba ost Data Sour		
Truc	k Tractor Desci	ription: GENE	ERIC ON-	HIGHW		CK TRACTO (2ND HALF,	OR, 6X4, DIESEI 2006)	L POWERED,
	ek Trailer Descr	ription: C	ENERIC			SENECK, DF 25T, 50T, AN	ROP DECK EQU ND 100T)	IPMENT
Cost Breakdown: Available Rig C	anacities	0-25 Tons	26-50	Tons	51+	Tons		
	p Cost/Hour:	\$10.44	\$22			3.94		
	g Cost/Hour:	\$26.48	\$54			5.65		
	r Cost/Hour:	\$22.52	\$22			2.52		
	r Cost/Hour:	\$0.00	\$23			3.53		
	t Cost/Hour:	\$59.44	\$122			25.64		
NON ROADAB	BLE EQUIPN	1ENT:						
Machine	Weight/	Owner ship	Haul R	iσ	Fleet	Haul Trip	Return Trip	DOT Permi
Description	Unit	Cost/hr/ unit	Cost/h	0	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
Description	(TONS)		t	, 4111	5120	fleet		
Cat D8T - 8SU	47.71	\$173.32	\$122.78	:	1	\$296.10	\$122.78	\$250.00
CAT 972H	28.00	\$62.43	\$122.78		1	\$185.21	\$122.78	\$250.00
Drill/Broadcast	25.00	\$41.02	\$59.44		1	\$100.46	\$59.44	\$250.00

Subtotals: \$581.77 \$305.00 \$750.00

ROADABLE EQUIPMENT:

Tractor

	Machine Description Light Duty Pickup, 4x4, 1 T. Crew	Total Cost/hr/ unit \$24.60	Fleet Size	Haul Trip Cost/hr/ fleet \$24.60	Return Trip Cost/hr/ fleet \$24.60
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EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: Total one-way travel distance:	GUNNISON 10.00	miles
Average Travel Speed:	35.00	mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$3,170.27	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$14.06	

Transportation Cycle Time:

Haul Time (Hours): Return Time (Hours): Loading Time (Hours):	Non- Roadable Equipment 0.29 0.29 0.50	Roadable Equipment 0.29 0.29 NA
× /		0.22
Unloading Time (Hours):	0.50	NA
Subtotals:	1.57	0.57

JOB TIME AND COST

Total job time: _____ Hours

Total job cost: \$3,184