

COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY MINERALS PROGRAM INSPECTION REPORT PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

MINE NAME:	MINE/PROSPECTING ID#:	MINERAL:	COUNTY:
Alma Placer Mine	M-1985-029	Gold	Park
INSPECTION TYPE:	INSPECTOR(S):	INSP. DATE:	INSP. TIME:
Monitoring	Tom Kaldenbach	June 7, 2012	16:00
OPERATOR:	OPERATOR REPRESENTATIVE:	TYPE OF OPERA	TION:
High Mountain Mining Co., LLC	Steve Palmer	112 - Hard Rock Regular Operation	
· · · · · · · · · · · · · · · · · · ·			
REASON FOR INSPECTION:	BOND CALCULATION TYPE:	BOND AMOUNT:	
Normal I&E Program	Complete Bond	\$180,974.00	
DATE OF COMPLAINT:	POST INSP. CONTACTS:	JOINT INSP. AGE	INCV:
	TOST MOL. CONTACTS.	1 John Hor Age	
	None	None	
NA WEATHER:			

GENERAL INSPECTION TOPICS

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. Problems were found during the inspection as noted below. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

(AR) RECORDS <u>NA</u>	(FN) FINANCIAL WARRANTY PB	(RD) ROADS <u>Y</u>
(HB) HYDROLOGIC BALANCE Y	(BG) BACKFILL & GRADING <u>Y</u>	(EX) EXPLOSIVES <u>NA</u>
(PW) PROCESSING WASTE/TAILING <u>Y</u>	(SF) PROCESSING FACILITIES Y	(TS) TOPSOIL <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE <u>Y</u>	(RV) REVEGETATION Y
(SM) SIGNS AND MARKERS <u>PB</u>	(SP) STORM WATER MGT PLAN <u>NA</u>	(SB) COMPLETE INSP <u>NA</u>
(ES) OVERBURDEN/DEV. WASTE <u>NA</u>	(SC) EROSION/SEDIMENTATION Y	(RS) RECL PLAN/COMP Y
(AT) ACID OR TOXIC MATERIALS <u>NA</u>		
Y = Inspected and found in compliance / N = Not inspected /	NA = Not applicable to this operation / PB = Problem cit	ed / PV = Possible violation cited

OBSERVATIONS

This inspection was conducted by Tom Kaldenbach of DRMS. Steve Palmer represented the operator. The inspection focused on the gold operation part of the mine, as the gold operation recently changed ownership and a Succession of Operator was completed for the entire permit.

The ground was dry. Rock was being run through a crushing and screening processing plant in the gold operation, and concentrate from the plant was being run through a processing plant located inside the mine's processing plant/office building. Workers were seen in the office part of the gravel operation although no equipment was in operation on the gravel operation.

Backfilling and Grading:

A significant amount of backfilling, grading, and structure removal appeared to have been completed, compared to DRMS's previous inspection in 2009.

Financial Warranty:

The reclamation cost estimate for the gold operation was updated with this inspection and determined that there is a current deficit in the amount of bond on deposit of \$121,273, as detailed below. This deficit is cited as a problem and must be corrected by August 23, 2012, by submitting the additional \$121,273 of bond.

Bond on Deposit

Cash, High Mountain Mining Company, LLC	1
Cash, Willits Company	\$74,075
Total bond on deposit	\$180,974

Bond Liability

Gold operation bond liability, including TR-08	\$275,490
Less TR-08 amount not yet due	\$96,701
Bond liability of gold operation without TR-08	\$178,789
Gravel operation bond liability	\$123,458
Total liability for permit without TR-08	\$302,247

Bond Deficit

Bond Deficit (Total bond on deposit, minus Total liability for permit without TR-08) (\$121,273)

The items in the reclamation cost estimate prepared with this inspection (see attached copy) are based on DRMS's reclamation cost estimate prepared for the December 18, 2009 inspection. If reclamation has been completed for any of those items, then the operator may request that those items be removed from the cost estimate by making a Surety Reduction Request following the process of Rule 4.14.1.

Hydrologic Balance:

Water used in processing in the gold operation is pumped from the South Platte River and circulated through a closed system of ponds, with no discharge to the river.

Sediment Control:

Berms were in place along the South Platte River for preventing runoff into the river.

Support Facilities On-site:

No hazardous chemicals are used on the mine. Grease and oil are stored outside the gold operation building within a containment barrier.

Signs and Markers:

A mine i.d. sign was not displayed at the entrance to the site from the Highway 9. The operator had a new i.d. sign in the gold operation building that was ready to be installed at the mine entrance. The lack of sign at the entrance is cited as a problem.

The operator shall post a sign at the entrance to the mine site as required by Rule 3.1.12(1) and provide to DRMS by July 24, 2012 a photograph showing the properly posted sign. The permit boundary was marked.

PHOTOGRAPHS



Photo 1 - Gold operation in foreground, gravel operation in background.

Photo 2 - Pond at gold operation crushing and screening plant.

PERMIT #: M-1985-029 INSPECTOR'S INITIALS: TAK INSPECTION DATE: June 7, 2012



Photo 3 - Lower pond of gold operation. Photo 4 - Central part of gold operation.



Photo 5 - Pumphouse of gold operation next to South Platte River.



Photo 6 - Oil and grease storage area outside building in gold operations area.

Inspection Contact Address

Steve Palmer High Mountain Mining Co., LLC 3040 S. Vallejo Street Englewood, CO 80110

Enclosure

COST SUMMARY WORK

Task descrip	otion:	Bond update -	gold operatio	n		
te: Alma Pla	cer Mine	Pe	ermit Action:	Inspection 6-7-12	Permit/Job#:	M1985029
PROJEC ¹	<u>IDENTIFI</u>	CATION				
PROJECT Task #:	001	CATION State:	Colorado		Abbreviation:	None
					Abbreviation: Filename:	None M029-001

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task		Form	Fleet	Task	
	Description	Used	Size	Hours	Cost
002	Demolish structures	DEMOLISH	1	38.99	\$150,527.45
003	Regrade 20 acres	DOZER] 1	123.12	\$26,233.02
004	Spread topsoil	TRUCKI	1	20.30	\$14,331.88
005	Revegetate range areas in gold operation	REVEGE	1	40.00	\$17,802.25
006	Revegetate wetland area in gold operation	REVEGE	1	3.00	\$723.47
007	Revegetate range areas in gold operation with nursery stock	REVEGE	1	4.42	\$983.56
008	Mobilize/de-mobilize for gold operation	MOBILIZE	1	7.20	\$6,199.77
		SUBTO	DTALS:	237.03	\$ \$216,801.40

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$4,379.39
Performance bond:	1.05	Total =	\$2,276.41
Job superintendent:	118.51	Total =	\$7,027.64
Profit:	10.00	Total =	\$21,680.14
		TOTAL O & P =	\$35,363.58
		CONTRACT AMOUNT (direct + $O \& P$) =	\$252,164.98

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): Engineering work and/or contract/bid preparation:	0.00	Total = Total =	0.00 \$10,717.01
	5.00		\$12,608.25
CONTINGENCY:	0.00	Total =	\$0.00
		TOTAL INDIRECT COST =	\$58,688.8 4
TOTAL BO	\$275,490.24		

DEMOLITION WORK

	Task description:	Demolish st	ructures			
Site:	Alma Placer Mine (Gold Facility)		Permit Action:	Inspection 6-7-12	Permit/.	Job#:M1985029
PROJE	CT IDENTIFICATION	<u>I</u>				
Task #	: 002	State:	Colorado	â	Abbreviation:	None
Date	: 6/23/2012	County:	Park		Filename:	M029-002
User	: TAK	-				

Agency or organization name: DRMS

UNIT COSTS

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Location adjustment: 96.90 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Processing building - infrastructure	376,000 cf	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 200 ft. push	376,000.00	CF	\$0.16	\$58,656.00
- footings	2 x 3 x3	Demo. and on-site disposal in existing pit, 2.0 ft. x 3 ft Max. 200 ft. push	25.00	LF	\$18.82	\$470.50
- floor	13,600	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 200 ft. push	13,600.00	SF	\$1.57	\$21,352.00
Office/small process plant building	50 ft x 50 ft	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 200 ft. push	50,000.00	CF	\$0.16	\$7,800.00
- Footings	1.5 x 2 ft	Demo. and on-site disposal in existing pit, 1.5 ft. x 2 ft Max. 200 ft. push	50.00	LF	\$9.41	\$470.50
- Slab	50 x 50	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 200 ft. push	2,500.00	SF	\$1.57	\$3,925.00
Storage tank	20000 gal	Liquid pickup - 5,000 gal. vacuum truck, double compartment	32.00	HR	\$170.00	\$5,440.00
Prep plant	60X50X1 story	Plant (1S) demo./off-site disposal in approved landfill - Max. 60 mile haul	36,000.00	CF	\$1.27	\$45,828.00
Pump house	10x10x1 story	Plant (1S) demo./off-site disposal in approved landfill - Max. 60 mile haul	800.00	CF	\$1.27	\$1,018.40
Conveyors	100x3	Conveyor, elevated, including supports - 5 ft. W x 6 ft. H housing	100.00	LF	\$42.26	\$4,226.00
Processing equipment	10x10x10	Plant (1S) demo./off-site disposal in approved landfill - Max. 60 mile haul	1,000.00	CF	\$1.27	\$1,273.00
Pipe removal	variable	Pipe, sewer/water - 12 in. diameter pipe	500.00	LF	\$6.36	\$3,181.55
Pipe loading	500 lf	Loading only, open areas	20.00	CY	\$0.56	\$11.14

Demo Worksheet Cont'd

Task # TTT

Page 2 of 2

Pipe hauling	500 lf	(unconfined) - Track loader				
		Hauling only, per mile, 12-18 CY truck - 30 mph average speed	100.00	MI	\$0.51	\$51.00
Pipe disposal	500 lf	Dump fees - Building construction materials.	20.00	CY	\$82.00	\$1,640.00

		Subtra 1		Total Cost	
Job Hours:	38.99	Subtotal	A A B B B B B B B B B B	(adjusted for	
<u> </u>		(unadjusted):	\$155,343.09	location):	\$150,527.45

Page 1 of 2

BULLDOZER WORK

Task description:	Regrade 20 acres			
Alma Placer Mine	Permit Action:	Inspection 6-7-12	Permit/Job#:	M1985029
PROJECT IDENTIFI	CATION			
Task #: 003	State: Colorado		Abbreviation:	None
Date: 6/23/2012	County: Park		Filename:	M029-003
User: TAK				
Agency or organ	nization name: DRMS			
HOURLY EQUIPME	NT COST			
Basic Machine: Cat	D8T - 8SU			
Horsepower: 310				
	ni-Universal			
~ 1	nank ripper			
	er day			
Data Source: (CR				
	.0)			
Cost Breakdown:				
		Utilization %		
Ownership Cost/Hour:	\$65.28	NA		
Operating Cost/Hour:	\$102.81	100		
Ripper op. Cost/Hour:	\$6.49	100		
Operator Cost/Hour:	\$38.49	NA		
operator costribut.	ψ	INA		
Total unit Cost/Hour:	\$213.07			
Total Fleet Cost/Hour:	\$213.07			
MATERIAL QUANT	TTIES			
Initial Volume: 53,64				
Swell factor: 1.250				
Loose volume: 67,0	50 LCY			
Source of estimated volum	ne: Lewicki AM-04			
Source of estimated swell				
Source of estimated swen	Tactor. Cat Halldbook			
HOURLY PRODUCT	<u>. 10N</u>			
Average push distance:	50 feet			
Unadjusted hourly produc				
onadjusted nourry produc				
Materials consistency des	cription: Compacted fill or e	mbankment 0.9		
Average push gradient:	0 %			
Average site altitude:	10,000 feet			
Material weight:	2,650 lbs/LCY			
-				
Weight description:	Decomposed rock - 25% Rock			
Job Condition Correction		Source		
Operator S	Skill: 0.750	(AVG.)		
Material consiste Dozing met	ency: 0.900	(CAT HB)) (GEN.)		

Task # 003

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

Net correction: 0.3890

Adjusted unit production:	544.60 LCY/hr	
Adjusted fleet production:	544.6 LCY/hr	

JOB TIME AND COST

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Fleet size:	_1 Dozer(s)	
Unit cost:	\$0.391/LCY	

Total job time:	123.12 Hours	
Total job cost:	\$26,233.02	

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TRUCK/LOADER TEAM WORK

Task description:	Spread	topsoil				
Site: Alma Placer Min	e	Permit Ac	tion: Inspection 6	5-7-12	Permit/Job#:	M1985029
PROJECT IDEN	TIFICATION	N				
Task #: 004		State: Cold	orado		Abbreviation:	None
Date: 6/24/2012 County: Park					Filename:	M029-004
User: TAK					-	
Agency or	organization na	me: DRMS				
HOURLY EQUI	PMENT COS	<u>T</u>		Shift b	basis: <u>1 per day</u>	
			Equipment Descri	iption		
Т	ruck Loader Te		eneric 15-18 cy, 6x			
			AT 980H high lift			
Suppo	- ort Equipment		A at D8T - 8SU			
Road Ma	-L intenance –Mo		AT 135H			
			ater Tanker, 2,500	Gal.		
Cost Breakdown:	Truck/Le	oader Team	Support	Equipment	Maint	enance Equipment
<u>Cost Breakdown</u>	Truck	Loader	Load Area	Dump Area	Motor Grad	
Utilization-machine:	100	100	NA	100	100	100
Ownership cost/hour:	\$18.42	\$44.85	NA	\$65.28	\$16.48	\$7.69
Operating cost/hour:	\$73.87	\$73.25	NA	\$102.81	\$36.59	\$21.79
Ripper op. cost/hour:	NA	\$0.00	NA	\$6.49	\$0.00	\$0.00
Operator cost/hour:	\$22.29	\$38.67	NA	\$38.49	\$24.47	\$0.00
Unit Subtotals:	\$114.58	\$156.78	NA	\$213.07	\$77.54	\$29.48
Number of Units:	2	1	0	1	1	1
Group Subtotals:	Work:	\$385.94	Support:	\$213.07	Mai	int: \$107.02
Total work team cos		3			,	
Initial volume:	9,438	CC	Y Swell	factor: 1.000)	
Loose volume:	9,43			1.000		
	irce of estimate		wicki AM-04			
	of estimated sw		t Handbook			
Source	Material Purcl			110		
		otal Cost: \$0.				

HOURLY PRODUCTION

Truck Capacity: Truck Payload (weight) Basis: Material weight: 1,600 Description: Top Soil Rated Payload: 63,980 Payload Capacity: 39.99

Truck/Loader Worksheet Cont'd

Task # 004

Truck Bed (volume) Basis:

Struck Volume:	15.00	LCY
Heaped Volume:	18.00	LCY
Average Volume:	16.50	_ LCY
Adjusted Volume:	18.00	_ LCY

Final Truck Volume Based on Number of Loader Passes: 13.88 LCY

Loading Tool Capacity

Rated Capacity:	7.500	Bucket Size Class:	I A
Bucket Fill Factor:	0.925	Loose material - 1/8" to 3/8" (90 - 95%) 0.925	
Adjusted Capacity:	6.938	LCY	

Job Condition Corrections:

Job Condition Corrections:		Sit	te Altitude (ft.): <u>10000</u> fee
	Truck	Loader	Source
Altitude Adj:	0.970	1.000	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)
Net Correction:	0.805	0.830	(CAT IIB)

Loading Tool Cycle Time: Number of Load	ding Tool Passes Required to Fill Truck:	2	
Excavators and Front Shovels:			passes
Machine Cycle Time vs. Job Condition Rating	: NA		
Selected Value within this Basic Rating	: NA		
Track Loaders – Material Description:			
Cycle Time Elements (min.):			
Load: NA Maneuver:	NA Dump:	0.100	
Wheel and Track Loaders - Unadjusted Basic Load	er Cycle Time (load dump manauur)	0.770	

Cycle Time Factors		maneuver):0	.550 minutes
Material:	Material up to 1/8" diameter 0.02	Factor (min.)	Source
Stockpile:	Dumped by truck 0.02	0.020	(Cat HB)
Truck Ownership:	Common ownership of trucks and loaders -0.04	0.020	(Cat HB)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	-0.040	(Cat HB)
	Net Cycle Time Adjustment:	0.000	(Cat HB)
	Adjusted Loader Cycle Time:	-0.040	minutes
	Net Load Time per Truck:	0.510	minutes
		0.610	minutes

Truck Cycle Time:

Truck Exchange Time:		Minutes	Adjusted for site altitude:	0 5 1 5	2.01
Truck Load Time:	01010	Minutes	Adjusted for site altitude:		Minutes
Truck Maneuver and Dump Time:	0.90	Minutes	Adjusted for site altitude:	0.010	Minutes
		-		0.928	Minutes

Truck Travel (Haul & Return) Time: maintained 3.0

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Truck/Loader Worksheet Cont'd

Г	Haul Rout Seg #		Distance	Grade (%)	Roll. Res	Total Res	Velocity	Travel	
	ucg "	(Ft)			(%)	(%)	(fpm)	Time (min)	
L	1	1000.0	00	0.50	3.00	3.50	2394	0.546	
						Haul Time:	0.546	minutes	
	Return Ro	oute:				7			
	Seg #		Distance	Grade (%)	Roll. Res	Total Res	Velocity	Travel	
		(Ft)			(%)	(%)	(fpm)	Time (min)	
L	1	1000.0	00	-0.50	3.00	2.50	2960	0.373	
					Total Tru	Return Time: ck Cycle Time:	0.373	minutes	
L	oading Too	Lunit				•			
	Produ	ction	739.69	LCY/Hour		Adjusted for j	ob efficiency:	613.95	LCY/Hour
Truck	Unit Produ	iction _	280.09	LCY/Hour		Adjusted for j	ob efficiency:	232.47	LCY/Hour
Optima	l No. of Tr	ucks:	3	Truck(s)		Selected Num	per of Trucks:	2	Truck(s)
				Adjuste	d hourly true	k team production	on: 464.	.94 LCY/	Hour
						er team production		.94 LCY/	Hour
				Adjusted multip	le truck/loade	er team production	on: 464.	.94 LCY/	Hour
	JOB TIN	ME AN	D COST						
	-	ina	1	Team(s)	-	Fotal job time:	20.30) Hou	irs
	Fleet s	size: _	1		·				

REVEGETATION WORK

ask description: Revegetate range are	eas in gold op	eration			
Alma Placer Mine Permit	Action: Insp	ection 6-7-12		Permit/Job#	: M1985029
ROJECT IDENTIFICATION					
	olorado			Abbreviation:	None
Date: 6/24/2012 County: Pa User: TAK	ark			Filename:	M029-005
Agency or organization name: DRMS					
Agency of organization name					
ERTILIZING					
laterials					
Description	Units / Acre	Unit	Cost	: / Unit	Cost /Acre
			\$		\$
			Tota	al Fertilizer Materials Cost/Acre	\$0.00
pplication					
Description					Cost /Acre
					\$
	Tota	l Fertilizer A	pplication	n Cost/Acre	\$0.00
ILLING			1		
Description					Cost /Acre
	0)				\$207.78
Subsoil scarification, (MEANS 32 91 13.23 305					\$145.20
Subsoil scarification, (MEANS 32 91 13.23 305) Weed control spraying (MEANS 31 31 16.13 31					
		То	tal Tilling	g Cost/Acre	\$352.98
		To	tal Tillinį	g Cost/Acre	\$352.98

Seed Mix	PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Birdsfoot Trefoil - Empire	0.50	4.80	\$4.09
Big Bluegrass - Sherman	1.00	20.66	\$6.75
Mountain Brome - Bromar	6.00	9.64	\$19.98
Red Clover - Medium	1.00	6.20	\$1.81
White Dutch Clover - VNS	0.50	9.76	\$1.80
Sheep Fescue - Bighorn	1.00	15.61	\$3.00
Slender Wheatgrass - San Luis	4.00	14.60	\$14.52
Needlegrass, Green - Lodorm	4.00	16.62	\$21.12
Parry's Oatgrass	4.00	8.26	\$95.44
Prairie Junegrass	0.30	15.95	\$10.10

.

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Totals Seed Mix	24.80	143.45	\$202.61	
	2.00	6.43	\$10.76	1
Timothy, Alpine - Native Bluebunch Wheatgrass - Goldar	0.50	14.92	\$13.25	٦

	Description Broadcast condina (D) (C)	Cost /Acre	
	Broadcast seeding [DMG]		
		\$255.76	
- 1			
l	Total Seed Application Cost/A	Acre \$255.76	

MULCHING and MISCELLANEOUS

Μ	ate	eria	als

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
					\$
		Tota	als Nursery Stoc	k Cost / Acre	\$0.00

JOB TIME AND COST

Estimat *Selected Replanti	No. of Acres: ed Failure Rate: ng Work Items:	Cost /Acre: Cost /Acre*:	\$811.35 \$811.35	<u>. 9</u>	
Initial Job Cost: Reseeding Job Cost:	\$4,056.75				
Total Job Cost: Job Hours:	\$20,283.75				

REVEGETATION WORK

Cos \$	Permit/Job# Abbreviation: Filename: st / Unit tal Fertilizer Materials Cost/Acre	*: M1985029 None M029-006 Cost /Acre \$ \$0.00 Cost /Acre
Cos \$	Filename: st / Unit tal Fertilizer Materials	M029-006 Cost /Acre \$ \$0.00
Cos \$	Filename: st / Unit tal Fertilizer Materials	M029-006 Cost /Acre \$ \$0.00
Cos \$	Filename: st / Unit tal Fertilizer Materials	M029-006 Cost /Acre \$ \$0.00
\$	st / Unit tal Fertilizer Materials	Cost /Acre \$ \$0.00
\$	tal Fertilizer Materials	\$ \$0.00
	Materials	\$0.00
То	Materials	
	Materials	
	COSUACIE	
	17	Cost /Acre
		Cost /Acre
		\$
		Ψ
r Applicatic	on Cost/Acre	\$0.00
		Cost /Acre
		\$
		Ψ
Total Tillir	ng Cost/Acre	\$0.00
		<i>Q</i>
Rate –		G
	Seeds	Cost /Acre
LBS /	per SQ.	
Acre		20.2
12.00	11.02	\$35.28
5.00	16.30	\$20.60
2.00	8.31	\$10.56
0.20	22.91	\$1.20
0.30		\$59.64
0.50	28.70	\$5.40
20.00	118.09	\$132.68
	Rate – PLS LBS / Acre 12.00 5.00 2.00 0.20 0.30 0.50	PLS Seeds per SQ. FT 12.00 11.02 5.00 16.30 2.00 8.31 0.20 22.91 0.30 30.85 0.50 28.70

Application

Description Broadcast seeding [DMG]		Cost /Acre \$255.76
	Total Seed Application Cost/Acre	\$255.76

MULCHING and MISCELLANEOUS

Materials

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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

Job Hours: 3.00

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
		Tot	als Nursery Stoc	k Cost / Acre	\$0.00

JOB TIME AND COST

No. of Acres:			Cost /Acre:	\$388 44
Estimated Failure Rate:		Cost /Acre*:		
*Selected Replanting	g Work Items:	SEEDING	costructe .	JJ00.44
Initial Job Cost:				
Reseeding Job Cost:	\$144.69			
Total Job Cost:				

REVEGETATION WORK

Alma Pla	icer Mine	Per	mit Action:	Inspection 6-7-12	Permit/Job#:	M1985029
PROJEC'	<u> IDENTIFI</u>	CATION				
Task #:	007	State:	Colorado		Abbreviation:	None
Date:	6/24/2012	County:	Park		Filename:	M029-007
User:	TAK	-			-	

FERTILIZING

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
Subsoil scarification, (MEANS 32 91 13.23 3050)		\$207.78
Weed control spraying (MEANS 31 31 16.13 3100)		\$145.20
	Total Tilling Cost/Acre	\$352.98

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
			\$
Totals Seed Mix	0.00	0.00	\$0.00

Application

Description	Cost /A	cre
	\$	

Total Seed Application Cost/Acre \$0.00

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre		154		\$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
Fir, Douglas	33	Tubling, 3 cu. in. container (MEANS)	\$0.93	\$0.00	\$30.69
Pine, Lodgepole	33	Tubling, 3 cu. in. container (MEANS)	\$0.93	\$0.00	\$30.69
Spruce, Blue	33	Tubling, 3 cu. in. container (MEANS)	\$0.93	\$0.00	\$30.69

JOB TIME AND COST

Estimat *Selected Replanti	No. of Acres: ed Failure Rate: ng Work Items:	0%	Cost /Acre: Cost /Acre*:	
Initial Job Cost: Reseeding Job Cost: Total Job Cost: Job Hours:	\$0.00 \$983.56		5	

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Mobilize/de-	mobilize for gol	ld operatio	n		
e: Alma Placer Mine		Permit Action:	Inspectio	n 6-17-12	Permit/Job#	. M1985029
PROJECT IDENTIFI	CATION					
Task #: 008 Date: 6/24/2012 User: TAK	Sta				Abbreviation: Filename:	None M029-008
Agency or organ	-	DRMS		Sh	ift basis:	1 per day
				Cost Data	Source: (CRG Data
Truck Tracto	r Description:	GENERIC O	N-HIGHW	AY TRUCK TRA 400 HP (2ND HA		DIESEL POWERED,
Truck Traile	r Description:	GENERIC FO	DLDING G		OP DECK EQ	UIPMENT TRAILER
Cost Breakdown:						
Available Rig Capacities	s 0-25 T	Tons 26-5	0 Tons	51+ Tons		
Ournarshin Cost/II	¢16	62 ¢	10 27	¢22.22		

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	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/unit	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
	(TONS)				fleet		
Cat D8T - 8SU	53.08	\$65.28	\$125.45	1	\$190.73	\$125.45	\$250.00
CAT 980H high lift	33.12	\$44.85	\$117.55	1	\$162.40	\$117.55	\$250.00
Cat 769D	37.54	\$43.04	\$117.55	2	\$321.18	\$235.10	\$250.00
							1
				Subtotals:	\$674.31	\$478.10	\$750.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Water Tanker, 2,500 Gal.	\$29.48	1	\$29.48	\$29.48
Cat 135 H	\$69.69	1	\$69.69	\$69.69
		Subtotals:	\$99.17	\$99.17

EQUIPMENT HAUL DISTANCE and Time

	Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	BRECKENRIDGE 20.00 25.00	miles
		23.00	mph
	Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig: Total Roadable Mob/Demob Cost **	\$6,041.10	
	** one round trip, no haul rig:	\$158.67	
_			

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.80	0.80
Return Time (Hours):	0.80	0.80
Loading Time (Hours):	1.00	NA
Unloading Time (Hours): Subtotals:	1.00	NA
	3.60	1.60

JOB TIME AND COST

Total job time:	7.20	Hours
Total job cost:	\$6,199.77	

COST SUMMARY WORK

Task descri	ption:	Alma Placer - Gr	avel				
Site: Alma Pla	acer Mine	Perr	nit Action:	Inspection 060712	Permit/Job#:	M1985029	
PROJEC'	<u>r identifi</u>	CATION					
Task #: Date:	501 6/24/2012	County:	Colorado Park		Abbreviation: Filename:	None M029-501	
User:	TAK						
A	gency or organ	ization name: DR	MS				

TASK LIST (DIRECT COSTS)

Task		Form	Fleet	Task	
	Description	Used	Size	Hours	Cost
502	Demolish, remove, dispose all structures	DEMOLISH] 1	0.00	\$44,146.28
503	Regrade 23.1 acres	DOZER] 1	76.89	\$15,367.29
504	Spread topsoil	TRUCK1] 1	20.04	\$14,148.14
505	Revegetate (based on cost/acre from gold operation)	NA] 1	46.20	\$22,533.00
506	Mobilize and de-mobilize (covered under gold operation)	NA] 1	0.00	\$0.00
		143.13	\$ \$96,194.71		

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$1,943.13
Performance bond:	1.05	Total =	\$1,010.04
Job superintendent:	71.46	Total =	\$4,237.58
Profit:	10.00	Total =	\$9,619.47
		TOTAL O & P =	\$16,810.22
		CONTRACT AMOUNT (direct + $O \& P$) =	\$113,004.93

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	0.00	Total =	0.00
Engineering work and/or contract/bid preparation:	4.25	Total =	\$4,802.71
Reclamation management and/or administration:	5.00		\$5,650.25
CONTINGENCY:	0.00	Total =	\$0.00
	≥ TOT	AL INDIRECT COST =	\$27,263.18
TOTAL B	\$123,457.89		

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DEMOLITION WORK

Т	ask description:	Demolish,	remove, dispose	all structures		
Site:	Alma Placer Mine		Permit Action:	Inspection 060712	Permit/.	lob#: <u>M1985029</u>
<u>PROJEC</u>	T IDENTIFICATION	[
Task #:	502	State:	Colorado		Abbreviation:	None
Date:	6/24/2012	County:	Park		Filename:	M029-502
User:	ТАК	-				

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 96.90 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Truck scale	See quantity	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 10,000 ft. haul	600.00	SF	\$3.20	\$1,920.00
Crusher	See quantity	Loading and 5 mile haul, salvage allowed - Steel frame structures	125.00	CY	\$8.78	\$1,097.50
Wash plant	See quantity	Loading and 5 mile haul, salvage allowed - Steel frame structures	125.00	CY	\$8.78	\$1,097.50
Screen plant	See quantity	Loading and 5 mile haul, salvage allowed - Steel frame structures	125.00	CY	\$8.78	\$1,097.50
Employee trailers	See quantity	Loading and 5 mile haul, salvage allowed - Steel frame structures	250.00	CY	\$8.78	\$2,195.00
Lab trailer	See quantity	Loading and 5 mile haul, salvage allowed - Steel frame structures	95.00	CY	\$8.78	\$834.10
Asphalt plant	See quantity	Loading and 5 mile haul, salvage allowed - Steel frame structures	3,000.00	CY	\$8.78	\$26,340.00
Conveyors	5x6x200	Conveyor, elevated, including supports - 5 ft. W x 6 ft. H housing	200.00	LF	\$42.26	\$8,452.00
Fuel removal	N/A	Liquid pickup - 5,000 gal. vacuum truck, double compartment	10.00	HR	\$170.00	\$1,700.00
Pipe	500 lf	Pipe, corrugated metal (CMP) - 8 in. diameter pipe	500.00	LF	\$1.65	\$825.00

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	0.00	(unadjusted):	\$45,558.60	location):	\$44,146.28

BULLDOZER WORK

Alma Placer Mine	Permit Action:	Inspection 060712	Permit/Job#:	M1985029
PROJECT IDENTIFI	ICATION			
Task #: 503	State: Colorado		Abbreviation:	None
Date: 6/24/2012	County: Park		Filename:	M029-503
User: TAK				
Agency or organ	nization name: DRMS			
		y (* 193		
HOURLY EQUIPME	<u>ENT COST</u>			
Basic Machine: Cat	D8T - 8SU			
Horsepower: 310)			
Blade Type: Sen	ni-Universal			
Attachment: NA	•			
Shift Basis: 1 pe	er day			
Data Source: (CR	RG)			
Cost Breakdown:		19		
<u>20st Dicakuown</u> .		Utilization %		
Ownership Cost/Hour:	\$58.56	NA		
Operating Cost/Hour:	\$102.81	100		
Ripper op. Cost/Hour:	\$0.00	0		
Operator Cost/Hour:	\$38.49			
Operator Cost/Hour:	\$36.49	NA		
Total unit Cost/Hour:	\$199.86			
Total Fleet Cost/Hour:	\$199.86			
	41//00			
· - · · · · · · · · · · · · · · · · · ·	¥1//100			
MATERIAL QUANT	ITIES			
MATERIAL QUANT Initial Volume:33,50	ITIES 00			
MATERIAL QUANT Initial Volume: 33,50 Swell factor: 1.250	<u>ITIES</u> 00 0			
MATERIAL QUANT Initial Volume: 33,50 Swell factor: 1.250	ITIES 00			
MATERIAL QUANT Initial Volume: 33,50 Swell factor: 1.250	00 0 75 LCY	on, Mining & Safety		
MATERIAL QUANTInitial Volume:33,50Swell factor:1.250Loose volume:41,87	ITIES 00 0 75 LCY ne: Division of Reclamati	on, Mining & Safety		
MATERIAL QUANT Initial Volume: 33,50 Swell factor: 1.250 Loose volume: 41,87 Source of estimated volum	ITIES 00 0 75 LCY ne: Division of Reclamati	on, Mining & Safety		
MATERIAL QUANT Initial Volume: 33,50 Swell factor: 1.250 Loose volume: 41,87 Source of estimated volum	ITIES 00 0 75 LCY ne: Division of Reclamati factor: Cat Handbook	on, Mining & Safety		
MATERIAL QUANT Initial Volume: 33,50 Swell factor: 1.250 Loose volume: 41,8 Source of estimated volur Source of estimated swell HOURLY PRODUCT	ITIES 00 0 75 LCY ne: Division of Reclamati factor: Cat Handbook	on, Mining & Safety		
MATERIAL QUANT Initial Volume: 33,50 Swell factor: 1.250 Loose volume: 41,8 Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance:	ITIES 00 0 75 LCY ne: Division of Reclamati factor: Cat Handbook CION 50 feet	on, Mining & Safety		
MATERIAL QUANT Initial Volume: 33,50 Swell factor: 1.250 Loose volume: 41,8 Source of estimated volur Source of estimated swell HOURLY PRODUCT	ITIES 00 0 75 LCY ne: Division of Reclamati factor: Cat Handbook CION 50 feet	on, Mining & Safety		
MATERIAL QUANT Initial Volume: 33,50 Swell factor: 1.250 Loose volume: 41,8 Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance:	ITIES 00 0 75 LCY ne: Division of Reclamati factor: Cat Handbook CION 50 feet ction: 1,400.0 LCY/hr			
MATERIAL QUANT Initial Volume: 33,50 Swell factor: 1.250 Loose volume: 41,87 Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency destribution	ITIES 00 0 75 LCY ne: Division of Reclamati factor: Cat Handbook CION ction: 50 feet 1,400.0 LCY/hr cription: Compacted fill or en			
MATERIAL QUANT Initial Volume: 33,50 Swell factor: 1.250 Loose volume: 41,87 Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency dest Average push gradient:	ITIES 00 0 75 LCY ne: Division of Reclamati factor: Cat Handbook FION ction: 1,400.0 LCY/hr cription: Compacted fill or end 0 %			
MATERIAL QUANT Initial Volume: 33,50 Swell factor: 1.250 Loose volume: 41,87 Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency destribution	ITIES 00 0 75 LCY ne: Division of Reclamati factor: Cat Handbook CION ction: 50 feet 1,400.0 LCY/hr cription: Compacted fill or en			
MATERIAL QUANT Initial Volume: 33,50 Swell factor: 1.250 Loose volume: 41,8' Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency dest Average push gradient: Average site altitude:	ITIES 00 0 75 LCY ne: Division of Reclamati factor: Cat Handbook CION science 50 feet etion: 1,400.0 LCY/hr cription: Compacted fill or end 0 % 10,000 feet			
MATERIAL QUANT Initial Volume: 33,50 Swell factor: 1.250 Loose volume: 41,87 Source of estimated volur Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency dest Average push gradient:	ITIES 00 0 75 LCY ne: Division of Reclamati factor: Cat Handbook FION ction: 1,400.0 LCY/hr cription: Compacted fill or end 0 %			
MATERIAL QUANT Initial Volume: 33,50 Swell factor: 1.250 Loose volume: 41,87 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency dest Average site altitude: Material weight:	String String 00 0 0 75 LCY ne: Division of Reclamati factor: Cat Handbook CION 50 feet etion: 1,400.0 LCY/hr cription: Compacted fill or end 0 % 10,000 feet 2,650 lbs/LCY	mbankment 0.9		
MATERIAL QUANT Initial Volume: 33,50 Swell factor: 1.250 Loose volume: 41,8° Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Average push gradient: Average site altitude: Material weight: Weight description:	String String 00 0 0 75 LCY ne: Division of Reclamati factor: Cat Handbook CION 50 feet etion: 1,400.0 LCY/hr cription: Compacted fill or end 0 % 10,000 feet 2,650 lbs/LCY Decomposed rock - 25% Rock,	mbankment 0.9		
MATERIAL QUANT Initial Volume: 33,50 Swell factor: 1.250 Loose volume: 41,8' Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Average push gradient: Average site altitude: Material weight: Weight description: Iob Condition Correction	TTIES 00 0 75 LCY ne: Division of Reclamati factor: Cat Handbook CION statistic 50 feet ction: 1,400.0 LCY/hr cription: Compacted fill or end 0 % 10,000 feet 2,650 lbs/LCY Decomposed rock - 25% Rock, Factor Factor	mbankment 0.9 , 75% Earth Source		
MATERIAL QUANT Initial Volume: 33,50 Swell factor: 1.250 Loose volume: 41,8' Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Average push gradient: Average site altitude: Material weight: Weight description: Iob Condition Correction	String String 00 0 0 75 LCY ne: Division of Reclamati factor: Cat Handbook CION 50 feet ction: 1,400.0 LCY/hr cription: Compacted fill or end 0 % 10,000 feet 2,650 lbs/LCY Decomposed rock - 25% Rock, Factor 0.750	mbankment 0.9 , 75% Earth <u>Source</u> (AVG.)		
MATERIAL QUANT Initial Volume: 33,50 Swell factor: 1.250 Loose volume: 41,8' Source of estimated volur Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Average push gradient: Average site altitude: Material weight: Weight description: Iob Condition Correction	TTIES 00 0 $75 LCY$ ne: Division of Reclamati factor: Cat Handbook CION ction: $1,400.0 LCY/hr$ cription: Compacted fill or end 0% $10,000$ feet $2,650$ lbs/LCY Decomposed rock - 25% Rock, Factor Skill: 0.750 ency: 0.900	mbankment 0.9 , 75% Earth Source		

Bulldozer	Worksheet	Cont'	d
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Task # 503

Visibi		(AVG.)
Job efficier	ncy: 0.830	(1 SHIFT/DAY)
Spoil p		(FND-RF)
Push gradi	ent: 1.000	(CAT HB)
Altitu	1.000	(CAT HB)
Material Weig		(CAT HB)
Blade ty	pe: 1.000	(PAT)
Net correcti	on: 0.3890	
Adjusted unit production:	544.60 LCY/hr	
Adjusted fleet production:	544.6 LCY/hr	

JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.367/LCY

Total job time:	76.89 Hours	
Total job cost:	\$15,367.29	-

TRUCK/LOADER TEAM WORK

Site: <u>Alma Placer Min</u> <u>PROJECT IDEN</u>			ion: Inspection (060712	Permit/Job#: _1	M1985029
Task #: 504		State: Color	ado	A	Abbreviation: N	lone
Date: 6/24/2	012	County: Park			Filename: M	1029-504
User: <u>TAK</u>						
Agency or	organization na	me: DRMS				
HOURLY EQUI	PMENT COS	Т		Shift b	asis: 1 per day	
		_	Fauinment Decor		10101 <u>1 per day</u>	
т	ruck Loader Tea		Equipment Descr neric 15-18 cy, 6x			
*			T 980H high lift			
Supp	ort Equipment -I	Load Area: NA				
			D8T - 8SU			
Road M	aintenance – Mot		T 135H iter Tanker, 2,500	Gal		
	- ***		iter Taliker, 2,500	Gai.		-
Cost Breakdown:	Truck/Lo	ader Team	Support	Equipment	Maintena	ance Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	
Utilization-machine:	100	100	NA	100	100	100
Ownership cost/hour:	\$18.42	\$44.85	NA	\$65.28	\$16.48	\$7.69
Operating cost/hour:	\$73.87	\$73.25	NA	\$102.81	\$36.59	\$21.79
Ripper op. cost/hour:	NA	\$0.00	NA	\$6.49	\$0.00	\$0.00
Operator cost/hour:	\$22.29	\$38.67	NA	\$38.49	\$24.47	\$0.00
Unit Subtotals:	\$114.58	\$156.78	NA	\$213.07	\$77.54	\$29.48
Number of Units:	2	1	0	1	1	1
Group Subtotals:	Work:	\$385.94	Support:	\$213.07	Maint	\$107.02
	ANTITIES 9,317 9,31 9,31	CCY 7 LCY 1 volume: Lew	ricki AM-04	factor: <u>1.000</u>)	
Source	of estimated sw Material Purch		Handbook			
	Wraterial Purci	lase Cost: \$0.0	U			

HOURLY PRODUCTION

<u>Truck Capacity:</u> Truck Payload (weight) Bas	is:		
Material weight:	1,600	Pounds/LCY	
Description:	Top Soil		
Rated Payload:	63,980	Pounds	
Payload Capacity:	39.99	LCY	

Task # 504

Truck Bed (volume) Basis:

Struck Volume:	15.00	LCY
Heaped Volume:	18.00	LCY
Average Volume:	16.50	LCY
Adjusted Volume:	18.00	_ LCY

Final Truck Volume Based on Number of Loader Passes: 13.88 LCY Loading Tool Capacity Bucket Size Class: NA Rated Capacity: 7.500 LCY (heaped) Bucket Fill Factor: Loose material - 1/8" to 3/8" (90 - 95%) 0.925 0.925 Adjusted Capacity: 6.938 LCY Job Condition Corrections: Site Altitude (ft.): 10000 feet Truck Loader Source Altitude Adj: 0.970 1.000 (CAT HB) Job Efficiency: 0.830 0.830 (CAT HB) Net Correction: 0.805 0.830 Loading Tool Cycle Time: Number of Loading Tool Passes Required to Fill Truck: 2 passes Excavators and Front Shovels: Machine Cycle Time vs. Job Condition Rating: NA Selected Value within this Basic Rating: NA Track Loaders - Material Description: Cycle Time Elements (min.): Load: NA Maneuver: NA Dump: 0.100 Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.550 minutes Cycle Time Factors Factor (min.) Source Material: Material up to 1/8" diameter 0.02 0.020 (Cat HB) Stockpile: Dumped by truck 0.02 0.020 Truck Ownership: Common ownership of trucks and loaders -0.04 (Cat HB) -0.040 (Cat HB) Operation: Constant operation -0.04 -0.040Dump Target: (Cat HB)

Nominal target 0.00 0.000 (Cat HB) Net Cycle Time Adjustment: -0.040minutes Adjusted Loader Cycle Time: 0.510 minutes Net Load Time per Truck: 0.610 minutes Truck Cycle Time: Truck Exchange Time: 0.50 Minutes Adjusted for site altitude: 0.515 Minutes Truck Load Time: 0.610 Minutes Adjusted for site altitude: 0.610 Minutes Truck Maneuver and Dump Time: 0.90 Minutes Adjusted for site altitude: 0.928 Minutes

<u>Truck Travel (Haul & Return) Time:</u> maintained 3.0

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Truck/Loader Worksheet Cont'd

-	Haul Rou	te:							
	Seg # Haul Di (Ft)		Distance	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)	
	1	1 1000.00		0.50	3.00	3.50	2394	0.546	
						Haul Time:	0.546	minutes	
	Return Route:								
			Distance	Grade (%)	Roll. Res	Total Res	Velocity	Travel	
					(%)	(%)	(fpm)	Time (min)	
	1 100		00	-0.50	3.00	2.50	2960	0.373	
					Total Tru	Return Time: ck Cycle Time:	0.373	minutes	
Loading Tool unit									
	Produ Unit Produ	iction	739.69	LCY/Hour	ur Adjusted for job efficiency: 613.95 LC				LCY/Hour
The one routero			280.09	LCY/Hour	Adjusted for job efficiency: 232.47			LCY/Hour	
Optima	al No. of Tr	ucks:	3	Truck(s)	Selected Number of Trucks: 2			Truck(s)	
			Adjusted hourly truck team production:464.94 LCY/				Hour		
			· · · ·						
				Adjusted multiple truck/loader team production: 464.94 LC				.94 LCY/	Hour
JOB TIME AND COST									
	Fleet size: Unit cost:		1	Team(s) T		Total job time:	otal job time: 20.04		ırs
			\$1.519	/LCY		Total job cost:	\$14,148	3.14	