

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:
Mud Creek Pit	M-2008-010	Sand and gravel	Montezuma
INSPECTION TYPE:	WEATHER: Clear	INSP. DATE:	INSP. TIME:
Monitoring		June 11, 2024	14:00
OPERATOR:	OPERATOR REPRESENTATIVE:	TYPE OF OPERA	FION:
Oldcastle SW Group, Inc. Four Corners	Franchesca Mallonee	112c - Construction	Regular Operation

REASON FOR INSPECTION:		BOND CALCULATION TYPE:	BOND AMOUNT:
Normal I&E Program		Complete Bond	\$49,883.20
DATE OF COMPLAINT:		POST INSP. CONTACTS:	JOINT INSP. AGENCY:
NA		None	None
INSPECTOR(S):	INSPE	CTOR'S SIGNATURE:	SIGNATURE DATE:
Todd Jesse			July 10, 2024
	Tall	Case	

The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

INSPECTION TOPIC: Hydrologic Balance

PROBLEM/POSSIBLE VIOLATION: Problem: The Division has no evidence that the operator has a valid well permit, substitute water supply plan, or approved water augmentation plan for the exposed groundwater at the site. This is a problem related to 34-32.5-116(4)(h) of the Colorado Revised Statutes and 3.1.6(1)(a) of the Construction Materials Rules and Regulations governing injury to existing water rights.

CORRECTIVE ACTIONS: The operator shall demonstrate that the operation is in compliance with the Office of the State Engineer, show evidence that the operator is taking measures to bring the site into compliance with the SEO, or backfill the pits to at least two feet above the groundwater surface by the corrective action date specified.

CORRECTIVE ACTION DUE DATE: 9/11/24

OBSERVATIONS

This inspection report was conducted as part of the normal monitoring program established by the Colorado Division of Reclamation, Mining, and Safety's Active Mines Program. The Mud Creek Pit is a 112c Operation operated by Oldcastle SW Group, Inc. The site is located 2 miles west of Mancos, CO at an elevation of approximately 6,800 feet. Public access is controlled by a gate off the Hwy 160. Franchesca Mallonee of Oldcastle SW Group, Inc dba Four Corners Materials was present during the inspection.

Financial Warranty:

The Division currently holds a financial warranty in the amount of \$49,883 The last bond calculation was done in 2016. In an effort to ensure the financial warranty remains adequate to reclaim this site per the requirements of the approved reclamation plan, DRMS has updated the Reclamation Cost Estimate. The updated estimate is attached to this inspection report. Calculations estimate the cost of reclamation to be \$53,311. This is an increase of \$3,428 over the current surety held by the Division. A Notice of Surety Increase will be sent under a separate cover once the operator has had the opportunity to review the estimate and dispute any calculations.

Hydrologic Balance:

Groundwater has been exposed in the pit (Photo 1). This is noted as a maintenance item. No record of a Gravel Pit Well Permit was submitted to the Division that allows for groundwater to be exposed. Please either submit documentation that show the operation is in compliance with the State Engineer Office, the operation is working with the State Engineer to bring the site into compliance or backfill the areas with exposed groundwater to at least 2 feet above the water table. Please submit documentation to the Division by September 11th, 2024. The approved mine plan states that no groundwater is to be exposed and that operation would only mine to a depth of 30' which is above the water table.

Hydrocarbons are being stored on site near the scale in a double walled tank (Photo 2). No evidence of spills was noted on the site.

Gen. Compliance with Mine Plan:

At the time of the inspection the operator had disturbed approximately 25 acres within the permit boundary. Multiple stockpiles were observed withing the permit boundary. An approximately 500' long and 10' high highwall was observed within the mining area (Photo 3). No slumping or other erosional features were noted along the highwall. There are multiple processed and unprocessed stockpiles on the pit floor. No processing equipment was observed during the inspection.

Revegetation:

Cheat grass (*Bromus tectorum*) (Photo 4) was observed within the permit boundary, but not on any stockpiles. The Division recommends that the operator work with Montezuma County to create a Weed Management Plan to combat in invasive species within the permit boundary.

Support Facilities On-site:

On-site support facilities include an office and scale (Photo 5). The facilities look orderly and well maintained. No signs of displacement or erosion were noted around the base of any of the structures.

Signs and Markers:

The mine identification sign and affected area boundary markers are in place and in compliance with Rule 3.1.12. The permit boundary is marked with fence lines that are easily identifiable. The mine ID sign is posted at the entrance to the site in accordance with the Rules.

Topsoil:

Topsoil is being stockpiled in the permit boundary along the perimeter of the pit. The topsoil stockpile is protected by vegetation. No signs of erosion or slumping were observed on the topsoil piles (Photo 6). There appears to be sufficient topsoil to complete reclamation.

All responses to this report should be directed to Todd Jesse with the Division's Active Mines Program at DRMS, Room 215, 1001 E. 62nd Ave. Denver, CO 80216. Direct contact can be made at the Division's Grand Junction Field Office, by phone at (720) 688-0626 or by email at todd.jesse@state.co.us.

PHOTOGRAPHS



Photo 1: View to the west of exposed groundwater at bottom of pit.



Photo 2: View to the west of double walled fuel tank near scale.



Photo 3: View to the east of highwall on site.



Photo 4: View to the north of cheat grass on site.



Photo 5: View to the west of office and scale.



Photo 6: View to the northeast of topsoil stockpile.

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(AR) RECORDS <u>N</u>	(FN) FINANCIAL WARRANTY Y	(RD) ROADS <u>N</u>
(HB) HYDROLOGIC BALANCE <u>PB</u>	(BG) BACKFILL & GRADING <u>N</u>	(EX) EXPLOSIVES <u>N</u>
(PW) PROCESSING WASTE/TAILING <u>N</u>	(SF) PROCESSING FACILITIES Y	(TS) TOPSOIL <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE <u>N</u>	(RV) REVEGETATION Y
(SM) SIGNS AND MARKERS <u>Y</u>	(SP) STORM WATER MGT PLAN <u>N</u>	(RS) RECL PLAN/COMP <u>N</u>
(ES) OVERBURDEN/DEV. WASTE <u>N</u>	(SC) EROSION/SEDIMENTATION <u>N</u>	(ST) STIPULATIONS <u>N</u>
(AT) ACID OR TOXIC MATERIALS <u>N</u>	(OD) OFF-SITE DAMAGE <u>N</u>	

Y = Inspected / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

Inspection Contact Address

Franchesca Mallonee Oldcastle SW Group, Inc. dba Four Corners Materials 9755 CR 213 Durango, CO 81303

Enclosure: Reclamation Cost Estimate

CC: Travis Marshall, DRMS

COST SUMMARY WORK

Г	Task descrip	otion:	Cost Summary					
Site:	Mud Cre	ek Pit	Per	rmit Action:	2024	Permit/Jol	o#: <u>M2008010</u>	
<u>P</u>]		IDENTIFIC		Calanda		A11	N	
	Task #:	000	State:	Colorado	-	Abbreviation:	None No10 000	
	Date:	7/9/2024	County:	Montezum	a	Filename:	M010-000	
	User:	TJ1						
	Age	ency or organi	zation name:	RMS				

TASK LIST (DIRECT COSTS)

Task		Form	Fleet	Task	
1 45K	Description	Used	Size	Hours	Cost
001	Demolish and remove all mining related structures	DEMOLISH	1	0.00	\$359
002	Highwall reduction to 3H:1V, 10' high x 1000'L	DOZER	1	1.96	\$147
003	Rip and grade 12 acres affected lands	DOZER	1	33.48	\$2,581
004	Topsoil Replacement 1 ' deep, 12 acres	DOZER	1	75.96	\$5,554
005	Revegetate 13 acres affected	REVEGE	1	16.00	\$29,673
006	Haul reclamation equipment to and from job site.	MOBILIZE	1	3.80	\$4,281
007	Secondary Mobilization	1	3.80	\$1,202	
		<u>SUBTO</u>	TALS:	135	\$43,797

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$885
Performance bond:	1.05	Total =	\$460
Job superintendent:	0.00	Total =	\$0
Profit:	10.00	Total =	\$4,380
		TOTAL O & P =	\$5,724
		CONTRACT AMOUNT (direct + $O \& P$) =	\$49,521

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	\$0	Total =	\$0
Engineering work and/or contract/bid preparation:	0.00	Total =	\$0
Reclamation management and/or administration:	5.00		\$2,476
CONTINGENCY:	3.00	Total =	\$1,314
		FOTAL INDIRECT COST =	\$9,514
TOTAL BO	\$53,311		

DEMOLITION WORK

1	Fask description:	Demolish a	nd remove all m	nining related structu	ires	
Site:	Mud Creek Pit		Permit Action:	2024	Permit/.	Job#: <u>M2008010</u>
PROJE	CT IDENTIFICATION	<u>N</u>				
Task #: Date: User:	7/9/2024	State: County:	Colorado Montezuma		Abbreviation: Filename:	None M010-001
	Agency or organizat	ion name:	DRMS			
UNIT CO	<u>DSTS</u>				Location adju	<u>stment: 95.20 %</u>

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Truck Scales, concrete pads	8'L x 2.5'W x 0.5'D	Demo. and on-site disposal in existing pit, 1.0 ft. x 2 ft Max. 10,000 ft. haul	56.00	LF	\$4.63	\$259.06
Misc debris	10'L x 10'W x 5'H	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 200 ft. push	500.00	CF	\$0.24	\$118.10

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	0.00	(unadjusted):	\$377.16	location):	\$359.06

BULLDOZER WORK

	0	1V, 10' high x 1000'L		
Mud Creek Pit	Permit Action:	2024	Permit/Job#:	M2008010
PROJECT IDENTIFIC	CATION			
Task #: 002	State: Colorado		Abbreviation:	None
Date: $7/9/2024$	County: Montezu		Filename:	M010-002
User: TJ1			i nonume.	11010 002
Agency or organi	zation name: DRMS			
HOURLY EQUIPMEN	<u>NT COST</u>			
	OLETE-Cat D8T - 8U			
Horsepower: <u>305</u>	1			
Blade Type: Univ				
	ank ripper			
Shift Basis: <u>1 per</u> Data Source: (CRC				
Data Source: (CRC	(۲			
Cost Breakdown:				
		Utilization %		
Ownership Cost/Hour:	\$10.00			
Operating Cost/Hour:	\$10.00			
Ripper own. Cost/Hour:	\$14.53			
Ripper op. Cost/Hour:	\$1.99			
Operator Cost/Hour:	\$38.59	NA		
Total unit Cost/Hour:	\$75.10			
Total unit Cost/Tiour.				
Total Fleet Cost/Hour:	\$75.10			
	\$75.10			
Total Fleet Cost/Hour:	\$75.10			
Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume:1,389	\$75.10			
Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume:	\$75.10 <u>TIES</u>			
Total Fleet Cost/Hour: MATERIAL QUANTI Initial Volume:1,389	\$75.10 <u>TIES</u>			
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Total Fleet Cost/Hour:	\$75.10 TIES LCY e:(((15 ² L x 5 ² H) / 2) 2	x 1000'L) / 27 = 1,388.89 c	: <u>y</u>	
Total Fleet Cost/Hour:	\$75.10 TIES LCY e:(((15 ² L x 5 ² H) / 2) 2	<u>x 1000'L) / 27 = 1,388.89 c</u>	:у	
Total Fleet Cost/Hour:	\$75.10 TIES LCY e: ((((15'L x 5'H) / 2)) factor: NA	x 1000'L) / 27 = 1,388.89 c	:y	
Total Fleet Cost/Hour:	\$75.10 TIES LCY e: (((15'L x 5'H) / 2) 7 factor: NA ION	x 1000'L) / 27 = 1,388.89 c	: <u>y</u>	
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Total Fleet Cost/Hour:	\$75.10 TIES LCY e: factor: MA ION 50 feet ion: 50 feet 50 feet Compacted fill or 6,800 feet 2,900 lbs/LCY Sand and gravel - Dry		: <u>y</u>	
Total Fleet Cost/Hour:	\$75.10 TIES LCY e: factor: MA ION 50 feet ion:50 feet form 	embankment 0.9	:y	
Total Fleet Cost/Hour:	\$75.10 TIES LCY e: factor: MA ION ion:50 feet 1,627.0 LCY/hr ription:Compacted fill or -10 % 6,800 feet 2,900 lbs/LCY Sand and gravel - Dry Factor kill:0.750	embankment 0.9	:y	
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Task # 002

Job efficiency:		0.830	(1 SHIFT/DAY)
Spoil pile:		0.800	(FND-RF)
Push gradient:		1.225	(CAT HB)
Altitude:		1.000	(CAT HB)
Material Weight:		0.793	(CAT HB)
Blade type:		1.000	(PAT)
Net correction	on: _	0.4354	
Adjusted unit production:	708	3.40 LCY/hr	
Adjusted fleet production:	708	3.4 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.106/LCY

Total job time:	1.96 Hours
Total job cost:	\$147

BULLDOZER WORK

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Mud Creek Pit		Perm	nit Action:	2024	Permit/Job#:	M2008010
PROJECT IDEN	TIFICATIO	N				
Task #: 003		State:	Colorado		Abbreviation:	None
Date: $7/9/20$)24	County:	Montezuma	7	Filename:	M008-003
User: TJ1			11101110224111	~	-	112000 000
Agency or	organization n	ame: DRI	MS			
HOURLY EQUI	-					
Basic Machine: Horsepower:	OBSOLETE 305	-Cat D81 - 8	80	_		
Blade Type:	Universal					
Attachment:	3-shank ripp	or				
Shift Basis:	1 per day			_		
Data Source:	(CRG)			_		
Cost Breakdown:			I			
0	f		¢10.00	<u>Utilization %</u>		
Ownership Cost/H			\$10.00	NA		
Operating Cost/H			\$10.00 \$14.53	<u>100</u>		
Ripper own. Cost/H				NA 50		
Ripper op. Cost/H			\$3.98	50		
Operator Cost/H	lour:		\$38.59	NA		
Total Fleet Cost/Ho						
MATERIAL QU	ur: \$77.09					
MATERIAL QU Initial Volume:	ur: \$77.09 (ANTITIES) 19,360					
MATERIAL QU Initial Volume: Swell factor:	ur: \$77.09 ANTITIES 19,360 1.000					
MATERIAL QU Initial Volume:	ur: \$77.09 (ANTITIES) 19,360					
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Job efficience	cy: 0.830	(1 SHIFT/DAY)
Spoil pi	le: 0.800	(FND-RF)
Push gradie	nt: 1.000	(CAT HB)
Altitud	de: 1.000	(CAT HB)
Material Weig	ht: 0.793	(CAT HB)
Blade typ	pe: 1.000	(PAT)
Net correction	on: 0.3554	
Adjusted unit production:	578.24 LCY/hr	
Adjusted fleet production:		

Fleet size:	1 Dozer(s)
Unit cost:	\$0.133/LCY

Total job time:	33.48 Hours
Total job cost:	\$2,581

BULLDOZER WORK

	100500	Replacement 1 ' deep,			
: Mud Creek Pit		Permit Action: 2	024	Permit/Job#:	M2008010
PROJECT IDEN	NTIFICATION				
Task #: 004		State: Colorado		Abbreviation:	None
Date: 7/9/2	024	County: Montezuma		Filename:	M008-004
User: <u>TJ1</u>					
Agency or	r organization nar	ne: DRMS			
HOURLY EQUI	PMENT COST	<u>[</u>			
Basic Machine:	OBSOLETE-C	at D8T - 8U			
Horsepower:	305				
Blade Type:	Universal				
Attachment: Shift Basis:	3-shank ripper				
Data Source:	1 per day (CRG)				
	(CKU)				
Cost Breakdown:		1			
o	-	***	<u>Utilization %</u>		
Ownership Cost/H		\$10.00	NA		
Operating Cost/H		\$10.00	100		
Ripper own. Cost/H Ripper op. Cost/H		\$14.53 \$0.00	<u>NA</u> 0		
Operator Cost/H	10ur:	\$38.59	NA		
MATERIAL QU	ANTITIES				
Initial Volume:	19,360				
Initial Volume: Swell factor:	19,360 1.000				
-					
Swell factor:	1.000 19,360 LCY I volume:	(12ac)(43560sf/ac)(1'D) NA	/ 27 = 19,360 cy		
Swell factor: Loose volume: Source of estimated	1.000 19,360 LCY l volume: l swell factor:		/ 27 = 19,360 cy		
Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distant	1.000 19,360 LCY I volume: swell factor: DUCTION nce: 20	NA 0 feet	/ 27 = 19,360 cy		
Swell factor: Loose volume: Source of estimated Source of estimated	1.000 19,360 LCY I volume: swell factor: DUCTION nce: 20	NA	/ 27 = 19,360 cy		
Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distant	1.000 19,360 LCY I volume: I swell factor: DUCTION nce: 20 production: 51	NA 0 feet			
Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distan Unadjusted hourly p	1.000 19,360 LCY I volume: I swell factor: DUCTION nce: 20 production: 51 cy description: ent: 0 %	NA 0 feet 5.8 LCY/hr Partly consolidated sto			
Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distan Unadjusted hourly p Materials consistent Average push gradi	1.000 19,360 LCY I volume: I swell factor: DUCTION nce: 20 production: 51 cy description: ent: 0 %	NA 0 feet 5.8 LCY/hr Partly consolidated sto t			
Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distan Unadjusted hourly p Materials consisten Average push gradi Average site altitud	1.000 19,360 LCY I volume: I swell factor: I swell factor: DUCTION nce: 20 production: 51 cy description: ent: 0 % e: 6,800 fee 2,550 lbs	NA 0 feet 5.8 LCY/hr Partly consolidated sto t			
Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distan Unadjusted hourly p Materials consisten Average push gradi Average site altitud Material weight: Weight description: Job Condition Corre	1.000 19,360 LCY I volume: I swell factor: I swell factor: DUCTION nce: 20 production: 51 cy description: ent: 0 %	0 feet 5.8 LCY/hr Partly consolidated sto t /LCY ry packed			
Swell factor: Loose volume: Source of estimated Source of estimated Average push distan Unadjusted hourly p Materials consisten Average push gradi Average site altitud Material weight: Weight description: Job Condition Corre Ope	1.000 19,360 LCY I volume: I swell factor: I swell factor: DUCTION nce: 20 production: 51 cy description: ent: 0 % e: 6,800 fee 2,550 lbs : Earth - D ection Factor erator Skill:	0 feet 5.8 LCY/hr Partly consolidated sto t /LCY ry packed 0.750			
Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distan Unadjusted hourly p Materials consistend Average push gradi Average site altitud Material weight: Weight description: Job Condition Corrr Ope Material correct	1.000 19,360 LCY I volume: I swell factor: I swell factor: DUCTION nce: 20 production: 51 cy description: ent: 0 % e: 6,800 fee 2,550 lbs : Earth - D ection Factor erator Skill: onsistency:	NA 0 feet 5.8 LCY/hr Partly consolidated sto t /LCY ry packed 0.750 1.100			
Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distan Unadjusted hourly p Materials consistend Average push gradi Average site altitud Material weight: Weight description: Job Condition Corrr Ope Material correct	1.000 19,360 LCY I volume: I swell factor: I swell factor: DUCTION nce: 20 production: 51 cy description: ent: 0 % e: 6,800 fee 2,550 lbs : Earth - D ection Factor erator Skill:	0 feet 5.8 LCY/hr Partly consolidated sto t /LCY ry packed 0.750			

Task # 004

	_		
Job efficiency:		0.830	(1 SHIFT/DAY)
Spoil pi	ile:	0.800	(FND-RF)
Push gradie	ent:	1.000	(CAT HB)
Altitud	de:	1.000	(CAT HB)
Material Weig	,ht:	0.902	(CAT HB)
Blade typ	pe:	1.000	(PAT)
Net correction	on: _	0.4941	
Adjusted unit production:	254	.86 LCY/hr	
Adjusted fleet production:	254	.86 LCY/hr	
	-		

Fleet size:	1 Dozer(s)
Unit cost:	\$0.287/LCY

Total job time:	75.96 Hours
Total job cost:	\$5,554

REVEGETATION WORK

Task	description:	Revegetate 13 acres affected	
Site: <u>M</u>	ud Creek Pit	Permit Action: 2024	Permit/Job#: <u>M2008010</u>
PRO.	JECT IDENTIF	ICATION	
T	ask #: 005	State: Colorado	Abbreviation: None
	Date: 7/9/2024	County: Montezuma	Filename: M008-005
	User: TJ1		

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
10-34-0, 18-46-0, 5-10-5	200.00	pound	\$0.51	\$102.32
			Total Fertilizer Materials	
			Cost/Acre	\$102.32

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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Rye, Annual Tetraploid - Barmultra	2.00	8.72	\$3.86
Meadow Brome - Regar	6.00	5.51	\$33.75
Orchardgrass - Paiute	1.50	18.60	\$6.88
Smooth Brome - Manchar	2.00	6.66	\$10.44
Intermediate Wheatgrass - Rush	3.00	6.40	\$14.19
Burnett, Small (or Little) - Delar	2.00	2.53	\$8.91
Sainfoin - Renumex	3.00	1.31	\$12.96
Totals Seed Mix	19.50	49.72	\$91.00

Application

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

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
	1.00		\$0.00	\$0.00
Hay, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$985.56

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$85.37
Power mulcher (MEANS 32 91 13.16 0350)		\$157.25
Weed spray, truck, non-aquatic area, nox. [DMG]		\$83.26
3	Fotal Mulch Application Cost/Acre	\$325.89

NURSERY STOCK PLANTING

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

	No. of Acres:	13	Cost /Acre:	\$1,902.14
Estimate	ed Failure Rate:	20%	Cost /Acre*:	\$1,902.14
*Selected Replanti	ng Work Items:	FERTILIZING,TII	LLING,SEEDING,MU	
		LCHING		
Initial Job Cost:	\$24,727.82			
Reseeding Job Cost:				
Total Job Cost:	\$29,673			
Job Hours:	16.00			

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description	n: Hau	ul reclamation eq	uipment to and	l from job	site.		
e: Mud Creek	Pit	Permit	Action: <u>2024</u>		I	Permit/Job#:	M2008010
PROJECT ID	ENTIFICATI	<u>ON</u>					
Task #: 00)6	State: Co	olorado		Abbre	viation: Non	le
	9/2024		ontezuma				08-006
User: T.	J1	•					
Agency	or organizatior	n name: DRMS					
EQUIPMENT	TRANSPOR	<u>T RIG COST</u>					
					Shift ba	sis: 1 per d	lay
				(Cost Data Sour		
Tm	alt Tractor Dece	mintion: CENE	RIC ON-HIGH			D GVA DIEGI	
110	ck Tractor Desc	npuon: GENE	KIC UN-HIGH		(2ND HALF,		EL POWERED,
Tm	alt Trailar Daga	mintion.	ENERIC FOLD				UDMENT
Iru	ck Trailer Desc	ription: G					UIPMENI
				KAILEK	(25T, 50T, AN	D 1001)	
Cost Breakdown:							
Available Rig		0-25 Tons	26-50 Tons		Tons		
Ownersh	ip Cost/Hour:	\$10.44	\$22.18	\$2	3.94		
	ng Cost/Hour:	\$26.48	\$54.55		5.65		
	or Cost/Hour:	\$22.52	\$22.52		2.52		
	er Cost/Hour:	\$0.00	\$23.53	\$2	3.53		
Total Ur	it Cost/Hour:	\$59.44	\$122.78	\$12	25.64		
NON ROADA	BLE EOUIPN	AENT:					
Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/ fleet	
Description	(TONS)		t	SILC	fleet		
Cat D8T - 8SU	47.71	\$173.32	\$122.78	1	\$296.10	\$122.78	\$250.00
Drill/Broadcast	25.00	\$41.02	\$59.44	2	\$200.92	\$118.88	\$250.00
Seeder with							
Tractor							
Power Mulcher	6.00	\$27.21	\$59.44	2	\$173.30	\$118.88	\$500.00
(Bowie LD-90)							

Subtotals: \$670.32 \$360.54 \$1,000.00

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.	\$13.77	1	\$13.77	\$13.77
		Subtotals:	\$13.77	\$13.77

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	CORTEZ	
Total one-way travel distance:	18.00	miles
Average Travel Speed:	40.00	mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$4,268.41	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$12.39	

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.45	0.45
Return Time (Hours):	0.45	0.45
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.90	0.90

JOB TIME AND COST

Total job time: **3.80** Hours

Total job cost: ______\$4,281_____

EQUIPMENT MOBILIZATION/DEMOBILIZATION

	Sec	ondary Mobilizat					
te: Mud Creek Pit		Permit Action: 2024		Permit/Job#: <u>M2008010</u>			
PROJECT IDE	NTIFICATI	<u>ON</u>					
Task #: 00'	7	State: Co	olorado		Abbre	eviation: 1	None
Date: 7/9	/2024	County: Mo	ontezuma		Fi	lename: I	M010-007
User: TJ	1						
Agency	or organization	n name: DRMS					
EQUIPMENT 2	FRANSPOR	<u>T RIG COST</u>					
					Shift ba	sis: 1 p	ber day
				(Cost Data Sour	rce: CR	G Data
True	k Tractor Desc	ription: GENE	PIC ON HIGH				ESEL POWERED,
True	x Tractor Dese	inpuoli. OENE	Kie on-mon		(2ND HALF,		ESEL I OWERED,
Truc	k Trailer Desc	ription: G	ENERIC FOLD	ING GOC	SENECK DE	SOB DECK	FOUIPMENT
Truc	k Trailer Desc	ription: G	ENERIC FOLD				EQUIPMENT
	k Trailer Desc	ription: G			SENECK, DF (25T, 50T, AN		EQUIPMENT
	k Trailer Desc	ription: G					EQUIPMENT
Cost Breakdown:		o-25 Tons		<u>FRAILER</u>			EQUIPMENT
Cost Breakdown: Available Rig C]	TRAILER	(25T, 50T, AN		EQUIPMENT
<u>Cost Breakdown:</u> Available Rig C Ownershij	apacities	0-25 Tons	7 26-50 Tons	TRAILER 51 -	(25T, 50T, AN		EQUIPMENT
Cost Breakdown: Available Rig C Ownershij Operating	apacities	0-25 Tons \$10.44	26-50 Tons \$22.18	TRAILER 51- \$2 \$2 \$2	(25T, 50T, AN Tons 23.94		EQUIPMENT
<u>Cost Breakdown:</u> Available Rig C Ownershij Operating Operato	f apacities c Cost/Hour: g Cost/Hour:	0-25 Tons \$10.44 \$26.48	26-50 Tons \$22.18 \$54.55	STAILER 51- \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2	(25T, 50T, AN + Tons 23.94 55.65		EQUIPMENT
Cost Breakdown: Available Rig C Ownershij Operating Operato Helpe	b <mark>apacities</mark> cost/Hour: g Cost/Hour: r Cost/Hour:	0-25 Tons \$10.44 \$26.48 \$22.52	26-50 Tons \$22.18 \$54.55 \$22.52	SI \$: \$: \$: \$: \$: \$: \$: \$:	(25T, 50T, AN Tons 23.94 55.65 22.52		EQUIPMENT
Cost Breakdown: Available Rig C Ownershij Operating Operato Helpe	apacities cost/Hour: cost/Hour: cost/Hour: cost/Hour:	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53	SI \$: \$: \$: \$: \$: \$: \$: \$:	(25T, 50T, AN Tons 23.94 55.65 22.52 23.53		EQUIPMENT
Cost Breakdown: Available Rig C Ownershij Operating Operato Helpe	tapacities o Cost/Hour: g Cost/Hour: r Cost/Hour: r Cost/Hour: t Cost/Hour:	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53	SI \$: \$: \$: \$: \$: \$: \$: \$:	(25T, 50T, AN Tons 23.94 55.65 22.52 23.53		EQUIPMENT
Cost Breakdown: Available Rig C Ownership Operating Operato Helpe Total Uni	apacities c Cost/Hour: g Cost/Hour: r Cost/Hour: r Cost/Hour: t Cost/Hour: t Cost/Hour:	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT:	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78	S1- \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2	(25T, 50T, AN Tons 23.94 55.65 22.52 23.53 25.64	<u>ND 100T)</u>	
Cost Breakdown: Available Rig C Ownership Operating Operato Helpe Total Uni NON ROADAB Machine	tapacities o Cost/Hour: g Cost/Hour: r Cost/Hour: t Cost/Hour: t Cost/Hour: t Cost/Hour: t Cost/Hour: t Cost/Hour:	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT: Owner ship	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig	S1- \$1- \$1- \$1- \$1- \$1- \$1- \$1- \$1- \$1- \$1- \$1- \$1- \$1- \$1- \$1- \$1- \$1- \$1-	(25T, 50T, AN Tons 23.94 55.65 22.52 23.53 25.64 Haul Trip	ND 100T)	ip DOT Permit
Cost Breakdown: Available Rig C Ownership Operating Operato Helpe Total Uni	Cost/Hour: c Cost/Hour: c Cost/Hour: r Cost/Hour: t Cost/Hour: t Cost/Hour: c Cost/Cost/c Cost/c Co	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT:	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig Cost/hr/uni	S1- \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2	(25T, 50T, AN Tons 23.94 55.65 22.52 23.53 25.64 Haul Trip Cost/hr/	<u>ND 100T)</u>	ip DOT Permit
Cost Breakdown: Available Rig C Ownership Operating Operato Helpe Total Uni NON ROADAB Machine Description	Cost/Hour: c Cost/Hour: c Cost/Hour: r Cost/Hour: t Cost/Hour: c Cost/Cost/Cost/Cost/Cost/Cost/Cost/Cost/	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT: Owner ship Cost/hr/ unit	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig Cost/hr/uni t	S1- \$1- \$1- \$1- \$1- \$1- \$1- \$1- \$1- \$1- \$1- \$1- \$1- \$1- \$1- \$1- \$1- \$1- \$1-	(25T, 50T, AN Tons 23.94 55.65 22.52 23.53 25.64 Haul Trip Cost/hr/ fleet	ND 100T) Return Tr Cost/hr/ fl	ip DOT Permit leet Cost/ fleet
Cost Breakdown: Available Rig C Ownership Operating Operato Helpe Total Uni NON ROADAB Machine	Cost/Hour: c Cost/Hour: c Cost/Hour: r Cost/Hour: t Cost/Hour: t Cost/Hour: c Cost/Cost/c Cost/c Co	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT: Owner ship	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig Cost/hr/uni	51- \$2 \$2 \$2 \$2 \$2 \$2 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$2 \$2 \$2	(25T, 50T, AN Tons 23.94 55.65 22.52 23.53 25.64 Haul Trip Cost/hr/	ND 100T)	ip DOT Permit
Cost Breakdown: Available Rig C Ownership Operating Operato Helpe Total Uni NON ROADAB Machine Description Drill/Broadcast	Cost/Hour: c Cost/Hour: c Cost/Hour: r Cost/Hour: t Cost/Hour: c Cost/Cost/Cost/Cost/Cost/Cost/Cost/Cost/	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT: Owner ship Cost/hr/ unit	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig Cost/hr/uni t	51- \$2 \$2 \$2 \$2 \$2 \$2 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$2 \$2 \$2	(25T, 50T, AN Tons 23.94 55.65 22.52 23.53 25.64 Haul Trip Cost/hr/ fleet	ND 100T) Return Tr Cost/hr/ fl	ip DOT Permit leet Cost/ fleet
Cost Breakdown: Available Rig C Ownership Operating Operato Helpe Total Uni NON ROADAB Machine Description Drill/Broadcast Seeder with	Cost/Hour: c Cost/Hour: c Cost/Hour: r Cost/Hour: t Cost/Hour: c Cost/Cost/Cost/Cost/Cost/Cost/Cost/Cost/	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT: Owner ship Cost/hr/ unit	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig Cost/hr/uni t \$59.44	51- \$2 \$2 \$2 \$2 \$2 \$2 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$2 \$2 \$2	(25T, 50T, AN Tons 23.94 55.65 22.52 23.53 25.64 Haul Trip Cost/hr/ fleet \$200.92	ND 100T) Return Tr Cost/hr/ fl	ip DOT Permit eet Cost/ fleet \$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.	\$13.77	1	\$13.77	\$13.77
		Subtotals:	\$13.77	\$13.77

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	CORTEZ 18.00 40.00	miles mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$1,189.66	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$12.39	

Transportation Cycle Time:

Non- Roadable Equipment 0.45 0.45 0.50 0.50	Roadable Equipment 0.45 0.45 NA NA
0.50	NA
1.90	0.90
	Roadable Equipment 0.45 0.45 0.50 0.50

JOB TIME AND COST

Total job time: **3.80** Hours

Total job cost: **\$1,202**