



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

September 21, 2023

Craig Howell
Nuvemco, LLC
P.O. Box 297
212 East Main
Naturita, CO 81422

Re: October Ore Pile Reclamation - File No. M-2008-050
Nuvemco, LLC
Surety Increase (SI-2)
Surety Increase due to inflation

Dear Craig Howell:

On September 21, 2023 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$21,527.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$3,315.00.

Please see the August 30, 2023 inspection report for details regarding why this surety increase is required.

The Division ordered amendment of the current Financial Warranty, or submittal of a new Financial Warranty reflecting the increase, within 60 days from the date of this letter (September 21, 2023).

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 (8148), 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 after November 20, 2023, if the amount of any increased Financial Warranty has not been provided.

Bond Held:	\$18,212.00
Prior Liability:	\$18,212.00
Change in Liability:	\$3,315.00
Revised Liability:	\$21,527.00



Prior Permit Acreage:	0.50
Change in Permit Acreage:	0.00
Revised Permit Acreage:	0.50
Prior Affected Acreage:	0.50
Change in Affected Acreage:	0.00
Revised Affected Acreage:	0.50

If you have any questions, please contact me by telephone at (303) 866-3567 x 8183, or by email at Amy.yeldell@state.co.us.

Sincerely,



Amy C. Yeldell
Environmental Protection Specialist

COST SUMMARY WORK

Task description: 2023 Inspection Update

Site: October Ore Pile
Reclamation

Permit Action:

2023

Permit/Job#: M2008050

PROJECT IDENTIFICATION

Task #: ACY

State: Colorado

Abbreviation: None

Date: 9/21/2023

County: Mesa

Filename: M00000

User: ACY

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Remove Silt Fence	DEMOLISH	1	3.00	\$558
02a	Rip disturbed area	RIPPER	1	0.85	\$224
03a	Push salvaged topsoil	DOZER	1	0.41	\$102
04a	Transport Alternative Soils	TRUCK1	1	7.89	\$4,564
04b	Push imported topsoil	DOZER	1	3.10	\$766
05a	Reveg 0.46 ac	REVEGE	1	8.00	\$739
06a	Initial Mobilization	MOBILIZE	1	8.00	\$8,256
07a	Secondary Mobilization	MOBILIZE	1	8.00	\$1,409
<u>SUBTOTALS:</u>				39.25	\$16,618

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$336

Performance bond: 1.05

Total = \$174

Job superintendent: 0.00

Total = \$0

Profit: 10.00

Total = \$1,662

TOTAL O & P = \$2,172

CONTRACT AMOUNT (direct + O & P) = \$18,790

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$500

Total = \$500

Engineering work and/or contract/bid preparation: 4.25

Total = \$799

Reclamation management and/or administration: 5.00

\$939

CONTINGENCY: 3.00

Total = \$499

TOTAL INDIRECT COST = \$4,909

TOTAL BOND AMOUNT (direct + indirect) = \$21,527

DEMOLITION WORK

Task description: Remove Silt Fence

Site: October Ore Pile
Reclamation

Permit Action: 2023

Permit/Job#: M2008050

PROJECT IDENTIFICATION

Task #: 01A
Date: 9/21/2023
User: ACY

State: Colorado
County: Mesa

Abbreviation: None
Filename: M050-01a

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 90.70 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
600 LF of Silt Fence	600 lf	Hauling only, per mile, 12-18 CY truck - 50 mph average speed	120.00	MI	\$3.95	\$473.48
Landfill Fee	15 CY	Dump fees - Rubbish only	15.00	CY	\$9.45	\$141.75

Job Hours: 3.00

Subtotal
(unadjusted): \$615.23

Total Cost
(adjusted for location): \$558.01

BULLDOZER RIPPING WORK

Task description: Rip disturbed area

Site: October Ore Pile Reclamation Permit Action: 2023 Permit/Job#: M2008050

PROJECT IDENTIFICATION

Task #: 02A State: Colorado Abbreviation: None
Date: 9/21/2023 County: Mesa Filename: M050-02a
User: ACY

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$114.76</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$91.98</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.06</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.02</u>	<u>100</u>
Operator Cost/Hour:	<u>\$40.04</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$260.86</u>	
Total Fleet Cost/Hour:	<u>\$260.86</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 0.46 acres Rip Depth (ft): 1.00 Volume: 742 BCY or CCY

Source of estimated quantity: Previously accepted value

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth: 1.00 feet/pass
Average Ripping Width: 6.50 feet/pass
Average Ripping Length: 100.00 feet/pass
Average Dozer Speed: 88.00 feet/minute
Average Maneuver Time: 0.25 minutes/pass
Production per unit area: 0.646 acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.646 Acres/hr
Site Altitude: 6,800 feet
Altitude Adj: 1.00 (CAT HB)
Job Efficiency: 0.83 (1 shift/day)
Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.54 Acres/hr
Adjusted Hourly Fleet Production: 0.54 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 0.86 Hours

Unit cost: \$486.665 Per acre Total job cost: \$224

BULLDOZER WORKTask description: **Push salvaged topsoil**

Site: **October Ore Pile Reclamation** Permit Action: **2023** Permit/Job#: **M2008050**

PROJECT IDENTIFICATION

Task #: **03A** State: **Colorado** Abbreviation: **None**
 Date: **9/21/2023** County: **Mesa** Filename: **M050-03a**
 User: **ACY**

Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**

Basic Machine: **Cat D7R DS Series II LGP**
 Horsepower: **240**
 Blade Type: **Straight**
 Attachment: **NA**
 Shift Basis: **1 per day**
 Data Source: **(CRG)**

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$114.76	NA
Operating Cost/Hour:	\$91.98	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$40.04	NA

Total unit Cost/Hour: **\$246.78**
 Total Fleet Cost/Hour: **\$246.78**

MATERIAL QUANTITIES

Initial Volume: **100**
 Swell factor: **1.000**
 Loose volume: **100 LCY**

Source of estimated volume: **6" over 0.11 ac-previous value**
 Source of estimated swell factor: **Cat Handbook**

HOURLY PRODUCTION

Average push distance: **100 feet**
 Unadjusted hourly production: **496.4 LCY/hr**

Materials consistency description: **Loose stockpile 1.2**

Average push gradient: **5 %**
 Average site altitude: **6,800 feet**

Material weight: **2,550 lbs/LCY**Weight description: **Earth - Dry packed****Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.200	(CAT HB)
Dozing method:	1.000	(GEN.)

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	0.903	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4867

Adjusted unit production: 241.60 LCY/hr

Adjusted fleet production: **241.6** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$1.021/LCY

Total job time: **0.41** Hours

Total job cost: **\$102**

TRUCK/LOADER TEAM WORKTask description: Transport Alternative SoilsSite: October Ore Pile
Reclamation

Permit Action:

2023Permit/Job#: M2008050PROJECT IDENTIFICATIONTask #: 04AState: ColoradoAbbreviation: NoneDate: 9/21/2023County: MesaFilename: M050-04aUser: ACYAgency or organization name: DRMSHOURLY EQUIPMENT COSTShift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	Generic 12-18 cy, 6x4
-Loader:	CAT 938H
Support Equipment -Load Area:	NA
-Dump Area:	NA
Road Maintenance -Motor Grader:	NA
-Water Truck:	NA

Cost Breakdown:

Truck/Loader Team

Support Equipment

Maintenance Equipment

	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	NA	NA	NA	NA
Ownership cost/hour:	\$26.39	\$43.90	NA	NA	NA	NA
Operating cost/hour:	\$64.76	\$34.86	NA	NA	NA	NA
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	NA	NA	NA	NA
Ripper op. cost/hour:	NA	\$0.00	NA	NA	NA	NA
Operator cost/hour:	\$24.82	\$35.97	NA	NA	NA	NA
Unit Subtotals:	\$115.97	\$114.73	NA	NA	NA	NA
Number of Units:	4	1	0	0	0	0
Group Subtotals:	Work: \$578.61		Support: \$0.00		Maint: \$0.00	

Total work team cost/hour: \$578.61MATERIAL QUANTITIESInitial volume: 750

CCY

Swell factor: 1.000Loose volume: 750

LCY

Source of estimated volume: 1' pver 0.46 acSource of estimated swell factor: Cat HandbookMaterial Purchase Cost: \$0.00Total Cost: \$0.00HOURLY PRODUCTIONTruck Capacity:Truck Payload (weight) Basis:Material weight: 2,550

Pounds/LCY

Description: Earth - Dry packedRated Payload: 50,300

Pounds

Payload Capacity: 19.73 LCY

Truck Bed (volume) Basis:

Struck Volume: 12.00 LCY

Heaped Volume: 18.00 LCY

Average Volume: 15.00 LCY

Adjusted Volume: 18.00 LCY

Final Truck Volume Based on Number of Loader Passes: 17.16 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>3.900</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>4.290</u>	LCY

Job Condition Corrections:

Site Altitude (ft.): 6800 feet

	Truck	Loader	Source
Altitude Adj:	<u>1.000</u>	<u>1.000</u>	(CAT HB)
Job Efficiency:	<u>0.830</u>	<u>0.830</u>	(CAT HB)

Net Correction: 0.830 0.830

Loading Tool Cycle Time: Number of Loading Tool Passes Required to Fill Truck: 4 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): 0.483 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Mixed material 0.02	<u>0.020</u>	(Cat HB)
Stockpile:	Dumped by truck 0.02	<u>0.020</u>	(Cat HB)
Truck Ownership:	No adjustment - factor not applicable 0.00	<u>0.000</u>	(Cat HB)
Operation:	Inconsistent operation 0.04	<u>0.040</u>	(Cat HB)
Dump Target:	Nominal target 0.00	<u>0.000</u>	(Cat HB)
Net Cycle Time Adjustment:		<u>0.080</u>	minutes
Adjusted Loader Cycle Time:		<u>0.563</u>	minutes
Net Load Time per Truck:		<u>1.788</u>	minutes

Truck Cycle Time:

Truck Exchange Time: 0.50 Minutes Adjusted for site altitude: 0.500 Minutes

Truck Load Time: 1.788 Minutes Adjusted for site altitude: 1.788 Minutes

Truck Maneuver and Dump Time: 0.90 Minutes Adjusted for site altitude: 0.900 Minutes

Truck Travel (Haul & Return) Time:
penetration 4.0

Road Condition: Rutted dirt, little maintenance, no water, 1" tire

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	36960.00	2.00	4.00	6.00	1855	20.004

Haul Time: **20.004** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	36960.00	-2.00	4.00	2.00	2905	12.758

Return Time: **12.758** minutesTotal Truck Cycle Time: **35.950** minutes

Loading Tool unit

Production	<u>450.10</u>	LCY/Hour	Adjusted for job efficiency:	<u>373.58</u>	LCY/Hour
Truck Unit Production	<u>28.64</u>	LCY/Hour	Adjusted for job efficiency:	<u>23.77</u>	LCY/Hour

Optimal No. of Trucks:	<u>16</u>	Truck(s)	Selected Number of Trucks:	<u>4</u>	Truck(s)
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Adjusted hourly truck team production:	<u>95.09</u>	LCY/Hour
Adjusted single truck/loader team production:	<u>95.09</u>	LCY/Hour
Adjusted multiple truck/loader team production:	<u>95.09</u>	LCY/Hour

JOB TIME AND COST

Fleet size:	<u>1</u>	Team(s)	Total job time:	<u>7.89</u>	Hours
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Unit cost:	<u>\$6.085</u>	/LCY	Total job cost:	<u>\$4,564</u>
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BULLDOZER WORKTask description: **Push imported topsoil**

Site: **October Ore Pile Reclamation** Permit Action: **2023** Permit/Job#: **M2008050**

PROJECT IDENTIFICATION

Task #: **04B** State: **Colorado** Abbreviation: **None**
 Date: **9/21/2023** County: **Mesa** Filename: **M050-04b**
 User: **ACY**

Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**

Basic Machine: **Cat D7R DS Series II LGP**
 Horsepower: **240**
 Blade Type: **Straight**
 Attachment: **NA**
 Shift Basis: **1 per day**
 Data Source: **(CRG)**

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$114.76	NA
Operating Cost/Hour:	\$91.98	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$40.04	NA

Total unit Cost/Hour: **\$246.78**
 Total Fleet Cost/Hour: **\$246.78**

MATERIAL QUANTITIES

Initial Volume: **750**
 Swell factor: **1.000**
 Loose volume: **750 LCY**

Source of estimated volume: **1' over 0.46 ac-previous value**
 Source of estimated swell factor: **Cat Handbook**

HOURLY PRODUCTION

Average push distance: **100 feet**
 Unadjusted hourly production: **496.4 LCY/hr**

Materials consistency description: **Loose stockpile 1.2**

Average push gradient: **5 %**
 Average site altitude: **6,800 feet**

Material weight: **2,550 lbs/LCY**Weight description: **Earth - Dry packed****Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.200	(CAT HB)
Dozing method:	1.000	(GEN.)

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	0.903	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4867

Adjusted unit production: 241.60 LCY/hr

Adjusted fleet production: **241.6** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$1.021/LCY

Total job time: **3.10** Hours

Total job cost: **\$766**

REVEGETATION WORKTask description: Reveg 0.46 acSite: October Ore Pile
ReclamationPermit Action: 2023Permit/Job#: M2008050**PROJECT IDENTIFICATION**Task #: 05A
Date: 9/21/2023
User: ACYState: Colorado
County: MesaAbbreviation: None
Filename: M050-05aAgency or organization name: DRMS**FERTILIZING****Materials**

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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$112.82
Total Tilling Cost/Acre	\$112.82

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Hachita	0.80	13.06	\$12.78
Indian Ricegrass - Paloma	4.20	13.60	\$46.73
Crested Wheatgrass - Nordan	3.00	13.77	\$11.70
Pubescent Wheatgrass - Luna	6.00	12.40	\$20.40
Slender Wheatgrass - Pryor	4.00	14.60	\$17.00
Milk Vetch, Cicer - Lutana	0.60	2.00	\$4.92
Western Wheatgrass - Arriba	5.40	13.64	\$35.10
Needle and Thread	4.80	12.67	\$200.88
Flax, Lewis Blue	1.60	10.61	\$26.40

Saltbush, Four Wing	6.00	8.26	\$75.00
Penstemon, Palmer	0.40	8.84	\$21.80
Totals Seed Mix	36.80	123.45	\$472.71

Application

Description	Cost /Acre
Broadcast seeding [DMG]	\$267.22
Total Seed Application Cost/Acre	\$267.22

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$35.09	\$35.09
Total Mulch Materials Cost/Acre				\$35.09

Application

Description	Cost /Acre
Weed spray, hand, non-aquatic area, nox. [DMG]	\$183.16
Total Mulch Application Cost/Acre	\$183.16

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: 0.46 Cost /Acre: \$1,071.00
 Estimated Failure Rate: 50% Cost /Acre*: \$1,071.00
 *Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: \$492.66
 Reseeding Job Cost: \$246.33
 Total Job Cost: \$739
 Job Hours: 8.00

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Initial Mobilization**Site: **October Ore Pile
Reclamation**

Permit Action:

2023

Permit/Job#: M2008050

PROJECT IDENTIFICATION

Task #: 06A

State: Colorado

Abbreviation: None

Date: 9/21/2023

County: Mesa

Filename: M050-06a

User: ACY

Agency or organization name: DRMS

EQUIPMENT TRANSPORT RIG COST

Shift basis: 1 per day

Cost Data Source: CRG Data

Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED,
400 HP (2ND HALF, 2006)Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT
TRAILER (25T, 50T, AND 100T)**Cost Breakdown:**

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	\$20.26	\$36.04	\$47.05
Operating Cost/Hour:	\$39.51	\$76.08	\$82.85
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$82.29	\$158.17	\$175.95

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat D7R DS Series II LGP	38.49	\$123.82	\$158.17	1	\$281.99	\$158.17	\$250.00
CAT 938H	16.34	\$43.90	\$82.29	1	\$126.19	\$82.29	\$1,000.00
Drill/Broadcast Seeder with Tractor	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$250.00
Subtotals:					\$497.20	\$322.75	\$1,500.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Flatbed Truck, 4x2, 30K GVW	\$64.45	1	\$64.45	\$64.45
Light Duty Pickup, 4x4, 3/4 T.	\$72.29	1	\$72.29	\$72.29
Generic 12-18 cy, 6x4	\$115.97	4	\$463.88	\$463.88
Subtotals:			\$600.62	\$600.62

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	<u>GRAND JUNCTION</u>	
Total one-way travel distance:	<u>60.00</u>	miles
Average Travel Speed:	<u>40.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$6,454.25</u>
'* two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$1,801.86</u>
'** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>1.50</u>	<u>1.50</u>
Return Time (Hours):	<u>1.50</u>	<u>1.50</u>
Loading Time (Hours):	<u>0.50</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.50</u>	<u>NA</u>
Subtotals:	<u>4.00</u>	<u>3.00</u>

JOB TIME AND COST

Total job time:	<u>8.00</u>	Hours
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Total job cost:	<u>\$8,256</u>
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EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Secondary Mobilization**Site: **October Ore Pile
Reclamation**

Permit Action:

2023

Permit/Job#: M2008050

PROJECT IDENTIFICATION

Task #: 07A

State: Colorado

Abbreviation: None

Date: 9/21/2023

County: Mesa

Filename: M050-07a

User: ACY

Agency or organization name: DRMS

EQUIPMENT TRANSPORT RIG COST

Shift basis: 1 per day

Cost Data Source: CRG Data

Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED,
400 HP (2ND HALF, 2006)Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT
TRAILER (25T, 50T, AND 100T)**Cost Breakdown:**

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	\$20.26	\$36.04	\$47.05
Operating Cost/Hour:	\$39.51	\$76.08	\$82.85
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$82.29	\$158.17	\$175.95

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Drill/Broadcast Seeder with Tractor	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$250.00

Subtotals: **\$89.02** **\$82.29** **\$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.	\$72.29	1	\$72.29	\$72.29

Subtotals: **\$72.29** **\$72.29**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	<u>GRAND JUNCTION</u>	
Total one-way travel distance:	<u>60.00</u>	miles
Average Travel Speed:	<u>40.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$1,191.97</u>
'* two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$216.87</u>
'** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>1.50</u>	<u>1.50</u>
Return Time (Hours):	<u>1.50</u>	<u>1.50</u>
Loading Time (Hours):	<u>0.50</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.50</u>	<u>NA</u>
Subtotals:	<u>4.00</u>	<u>3.00</u>

JOB TIME AND COST

Total job time:	<u>8.00</u>	Hours
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Total job cost:	<u>\$1,409</u>
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