



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

March 4, 2024

Anthony Zellitti
2001 CR 300
Durango, CO 81301

Re: Zellitti Pit - File No. M-1980-246
Anthony Zellitti
Surety Increase (SI-2)

Dear Anthony Zellitti:

On March 4, 2024 the Division of Reclamation, Mining and Safety increased the Financial Warranty requirement for this permit to \$50,090.00, in accordance with Rule 4.2.1 of the Rules and Regulations. **This is an increase of \$5,272.00.**

The Division ordered amendment of the current Financial Warranty, or submittal of a new Financial Warranty reflecting the increase, is due within 60 days from the date of this letter (March 4, 2024).

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 May 3, 2024, if the amount of any increased Financial Warranty has not been provided.

Bond Held:	\$44,818.00
Prior Liability:	\$44,818.00
Change in Liability:	\$5,272.00
Revised Liability:	\$50,090.00
Prior Permit Acreage:	60.10
Change in Permit Acreage:	0.00



Revised Permit Acreage:	60.10
Prior Affected Acreage:	60.10
Change in Affected Acreage:	0.00
Revised Affected Acreage:	60.10

If you have any questions, please contact me by telephone at (303) 866-3567 x 8188, or by email at Dustin.czapla@state.co.us.

Sincerely,



Dustin M. Czapla
Environmental Protection Specialist

January 26, 2024

Anthony Zellitti
2001 CR 300
Durango, CO 81301



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

1313 Sherman Street, Room 215
Denver, CO 80203

RE: Zellitti Pit, Permit # M-1980-246, Reclamation Costs Update

Dear Operator:

In an effort to ensure the Financial Warranty for the above referenced site adequately reflects the actual current costs of fulfilling the requirements of the approved reclamation plan, the Colorado Division of Reclamation, Mining and Safety (Division) has updated the reclamation cost estimate (copy enclosed) for this site. Division calculations estimate the cost to reclaim the site to be \$50,090.00. This is an increase of \$5,272.00 over the \$44,818.00 currently held by the Division.

Within 15 days, please review the attached estimate and notify me if any calculation errors are noted.

If you require additional information, or have questions or concerns, please contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read "Dustin Czapla", with a long horizontal flourish extending to the right.

Dustin Czapla
Environmental Protection Specialist
Division of Reclamation, Mining and Safety
Phone: (303) 866-3567, ext. 8188



COST SUMMARY WORK

Task description: _____

Site: Zellitti Pit

Permit Action: 2024-01-11 Update

Permit/Job#: M1980246

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 1/11/2024

County: La Plata

Filename: M246-000

User: DMC

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Grade highwalls to 2:1 slope	DOZER	1	15.23	\$6,163
02a	Rip Compacted Area	RIPPER	1	17.95	\$7,467
03a	Replace topsoil on disturbed area	DOZER	1	24.06	\$9,737
04a	Remove and Dispose of Debris	DEMOLISH	1	8.00	\$376
05a	Revegetation	REVEGE	1	20.00	\$14,230
06a	Mobilize	MOBILIZE	1	2.71	\$1,200
<u>SUBTOTALS:</u>				87.95	\$39,173

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02
Performance bond: 1.05
Job superintendent: 52.43
Profit: 10.00

Total = \$791

Total = \$411

Total = \$3,412

Total = \$3,917

TOTAL O & P = \$8,532

CONTRACT AMOUNT (direct + O & P) = \$47,705

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

\$2,385

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$10,917

TOTAL BOND AMOUNT (direct + indirect) = \$50,090

BULLDOZER WORKTask description: Grade highwalls to 2:1 slopeSite: Zellitti PitPermit Action: 2024-01-11 UpdatePermit/Job#: M1980246**PROJECT IDENTIFICATION**Task #: 01AState: ColoradoAbbreviation: NoneDate: 1/11/2024County: La PlataFilename: M246-01aUser: DMCAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D10T - 10SUHorsepower: 574Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$178.69	NA
Operating Cost/Hour:	\$160.22	100
Ripper own. Cost/Hour:	\$24.49	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: \$404.70Total Fleet Cost/Hour: **\$404.70****MATERIAL QUANTITIES**Initial Volume: 8,000Swell factor: 1.430Loose volume: **11,440 LCY**Source of estimated volume: Existing ConditionsSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feetUnadjusted hourly production: 2,748.7 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: 0 %Average site altitude: 6,700 feetMaterial weight: 3,300 lbs/LCYWeight description: Decomposed rock - 75% Rock, 25% Earth**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(CAT HB))
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.697	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.2733

Adjusted unit production: 751.22 LCY/hr

Adjusted fleet production: **751.22** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.539/LCY

Total job time: **15.23** Hours

Total job cost: **\$6,163**

BULLDOZER RIPPING WORK

Task description: Rip Compacted Area

Site: Zellitti Pit Permit Action: 2024-01-11 Update Permit/Job#: M1980246

PROJECT IDENTIFICATION

Task #: 02A State: Colorado Abbreviation: None
Date: 1/11/2024 County: La Plata Filename: M246-02a
User: DMC

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D10T - 10SU Horsepower: 574
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$178.69</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$160.22</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$24.49</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$11.23</u>	<u>100</u>
Operator Cost/Hour:	<u>\$41.30</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$415.93</u>	
Total Fleet Cost/Hour:	<u>\$415.93</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 15.00 acres Rip Depth (ft): 1.50 Volume: 36,300 BCY or CCY

Source of estimated quantity: Inspection

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.87</u>	<u>feet/pass</u>
Average Ripping Width:	<u>8.67</u>	<u>feet/pass</u>
Average Ripping Length:	<u>500.00</u>	<u>feet/pass</u>
Average Dozer Speed:	<u>88.00</u>	<u>feet/minute</u>
Average Maneuver Time:	<u>0.25</u>	<u>minutes/pass</u>
Production per unit area:	<u>1.007</u>	<u>acres/hour</u>

Job Condition Correction Factors

Unadjusted Hourly Unit Production:	<u>1.007</u>	<u>Acres/hr</u>
Site Altitude:	<u>6,700</u>	<u>feet</u>
Altitude Adj:	<u>1.00</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.83</u>	<u>multiplier</u>
Adjusted Hourly Unit Production:	<u>0.84</u>	<u>Acres/hr</u>
Adjusted Hourly Fleet Production:	<u>0.84</u>	<u>Acres/hr</u>

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: **17.95** Hours

Unit cost: \$497.826 Per acre Total job cost: **\$7,467**

BULLDOZER WORKTask description: Replace topsoil on disturbed areaSite: Zellitti PitPermit Action: 2024-01-11 UpdatePermit/Job#: M1980246**PROJECT IDENTIFICATION**Task #: 03AState: ColoradoAbbreviation: NoneDate: 1/11/2024County: La PlataFilename: M246-03aUser: DMCAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D10T - 10SUHorsepower: 574Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$178.69	NA
Operating Cost/Hour:	\$160.22	100
Ripper own. Cost/Hour:	\$24.49	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: \$404.70Total Fleet Cost/Hour: \$404.70**MATERIAL QUANTITIES**Initial Volume: 9,680Swell factor: 1.060Loose volume: 10,261 LCYSource of estimated volume: 12 Acres, 6 inches deepSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 200 feetUnadjusted hourly production: 946.0 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: -5 %Average site altitude: 6,700 feetMaterial weight: 2,550 lbs/LCYWeight description: Gravel - Dry**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(CAT HB))
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4508

Adjusted unit production: 426.46 LCY/hr

Adjusted fleet production: **426.46** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.949/LCY

Total job time: **24.06** Hours

Total job cost: **\$9,737**

DEMOLITION WORK

Task description: Remove and Dispose of Debris

Site: Zellitti Pit

Permit Action: 2024-01-11 Update

Permit/Job#: M1980246

PROJECT IDENTIFICATION

Task #: 04A

State: Colorado

Abbreviation: None

Date: 1/11/2024

County: La Plata

Filename: M246-04a

User: DMC

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 91.60 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Misc. debris (steel & wood)	200 cu. yds.	Push demolished materials/rubble/debris into pit - Max. 200 ft. push	200.00	CY	\$2.05	\$410.00

Job Hours: 8.00

Subtotal
(unadjusted): \$410.00

Total Cost
(adjusted for location): \$375.56

REVEGETATION WORKTask description: **Revegetation**Site: **Zellitti Pit**Permit Action: **2024-01-11 Update**Permit/Job#: **M1980246****PROJECT IDENTIFICATION**Task #: **05A**State: **Colorado**Abbreviation: **None**Date: **1/11/2024**County: **La Plata**Filename: **M246-05a**User: **DMC**Agency or organization name: **DRMS****FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
8-24-24, 10-15-15, 10-20-20	250.00	pound	\$0.60	\$150.83
			Total Fertilizer Materials Cost/Acre	\$150.83

Application

Description	Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)	\$41.82
Total Fertilizer Application Cost/Acre	\$41.82

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$112.82
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$451.62

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Nespar	3.00	9.71	\$26.63
Pubescent Wheatgrass - Luna	6.75	13.95	\$22.95
Streambank Wheatgrass - Sodar	4.00	13.04	\$22.80
Totals Seed Mix	13.75	36.70	\$72.38

Application

Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$232.00

Total Seed Application Cost/Acre	\$232.00
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MULCHING and MISCELLANEOUS**Materials**

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
					\$
Totals Nursery Stock Cost / Acre					\$0.00

JOB TIME AND COST

No. of Acres: 12 Cost /Acre: \$948.65
 Estimated Failure Rate: 25% Cost /Acre*: \$948.65
 *Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING

Initial Job Cost: **\$11,383.80**
 Reseeding Job Cost: **\$2,845.95**
 Total Job Cost: **\$14,230**
 Job Hours: **20.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mobilize**Site: **Zellitti Pit**Permit Action: **2024-01-11 Update**Permit/Job#: **M1980246****PROJECT IDENTIFICATION**Task #: **06A**State: **Colorado**Abbreviation: **None**Date: **1/11/2024**County: **La Plata**Filename: **M246-06a**User: **DMC**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 D10T - 10SU	93.31	\$203.18	\$175.95	1	\$379.13	\$175.95	\$0.00
Drill/Broadcast Seeder with Tractor	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$0.00

Subtotals: **\$468.15** **\$258.24** **\$0.00****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.	\$15.83	1	\$15.83	\$15.83

Subtotals: **\$15.83** **\$15.83**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	<u>DURANGO</u>	
Total one-way travel distance:	<u>8.00</u>	miles
Average Travel Speed:	<u>45.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$1,194.57</u>
'* two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$5.63</u>
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>0.18</u>	<u>0.18</u>
Return Time (Hours):	<u>0.18</u>	<u>0.18</u>
Loading Time (Hours):	<u>0.50</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.50</u>	<u>NA</u>
Subtotals:	<u>1.36</u>	<u>0.36</u>

JOB TIME AND COST

Total job time:	<u>2.71</u>	Hours
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Total job cost:	<u>\$1,200</u>
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