STATE OF COLORADO

Girardi - DNR, Chris <chris.girardi@state.co.us>

Peat Mine M1994081- Corrective Actions Response and Revised Cost Estimate

1 message

Girardi - DNR, Chris <chris.girardi@state.co.us> Wed, Mar 26, 2025 at 9:04 AM
To: Brandon Garrison <brandongarrison39@gmail.com>
Cc: Marcus Mortensen <mortensenmw@gmail.com>, Jared Ebert - DNR <jared.ebert@state.co.us>

Good morning,

Attached to this email is a pdf of the Division's response to the email dated March 19, 2025 in which the Operator responded to outstanding corrective actions.

Also attached to this email are pdfs of the Division's Revised Cost Estimate and updated Surety Increase (SI-2) as a result of two reclamation tasks being completed.

Hard copies will not be mailed unless requested. Please feel free to contact me if you have any questions.

Thanks,

Chris Girardi

Environmental Protection Specialist Intern

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

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3 attachments

InspectionProblemsCorrectiveActions_PeatMine_M1994081.pdf
352K

SuretyIncrease_SI2_3.26.25_PeatMine_M1994081.pdf
327K

PeatMine_RevisedCostEstimate_3.25.25.pdf
197K

COST SUMMARY WORK

Task description: **Reclamation**

Site: **Peat Mine** Permit Action: 2025 Revised Estimate Permit/Job#: M1994081

PROJECT IDENTIFICATION

Task #: 000 State: Colorado Abbreviation: None
Date: 3/25/2025 County: Alamosa Filename: M081-000
User: CMG

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Revegetate disturbed areas	REVEGE	1	25.00	$18,443
002	Mobilize reclamation equipment	MOBILIZE	1	2.96	$1,067
			SUBTOTALS:	**27.96**	**$19,510**

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	$394
Performance bond:	1.05	Total =	$205
Job superintendent:	13.98	Total =	$1,108
Profit:	10.00	Total =	$1,951
		TOTAL O & P =	$3,658
		CONTRACT AMOUNT (direct + O & P) =	$23,168

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	$500	Total =	$500
Engineering work and/or contract/bid preparation:	4.25	Total =	$985
Reclamation management and/or administration:	5.00		$1,158
CONTINGENCY:	0.00	Total =	$0

TOTAL INDIRECT COST = $6,301

TOTAL BOND AMOUNT (direct + indirect) = $25,811

REVEGETATION WORK

Task description: **Revegetate disturbed areas**

Site: **Peat Mine** Permit Action: 2025 Revised Estimate Permit/Job#: M1994081

PROJECT IDENTIFICATION

Task #: 001 State: Colorado Abbreviation: None
Date: 3/25/2025 County: Alamosa Filename: M081-001
User: CMG

Agency 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**
Chisel plowing {DMG}	$102.41
Total Tilling Cost/Acre	**$102.41**

SEEDING

Seed Mix	**Rate – PLS LBS / Acre**	**Seeds per SQ. FT**	**Cost /Acre**
Birdsfoot Trefoil - Empire	0.25	2.40	$2.37
Big Bluegrass - Sherman	0.50	10.33	$7.93
Meadow Brome - Fleet	3.00	2.75	$15.67
Bluebunch Wheatgrass - Secar	1.00	3.21	$10.51
Red Clover - Medium	0.50	3.10	$3.52
White Dutch Clover - Alice	0.25	4.88	$1.74
Sheep Fescue - Azay	0.50	7.81	$2.42
Slender Wheatgrass - San Luis	2.00	7.30	$12.07
Needlegrass, Green - Lodorm	2.00	8.31	$17.29
Prairie Junegrass	0.15	7.97	$7.31
Timothy - Climax	0.25	7.17	$1.04

Totals Seed Mix	10.40	65.24	**$81.87**

Application

Description	Cost /Acre
Broadcast seeding [DMG]	$272.56
Total Seed Application Cost/Acre	**$272.56**

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - Plateau @ 1.0 pt/ac	1.00	ACRE	$20.39	$20.39
Total Mulch Materials Cost/Acre				**$20.39**

Application

Description	Cost /Acre
Weed spray, truck, non-aquatic area, nox. [DMG]	$83.26
Total Mulch Application Cost/Acre	**$83.26**

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:	25	Cost /Acre:	$560.49
Estimated Failure Rate:	50%	Cost /Acre*:	$354.43
*Selected Replanting Work Items:	SEEDING		

Initial Job Cost:	**$14,012.25**
Reseeding Job Cost:	**$4,430.38**
Total Job Cost:	**$18,443**
Job Hours:	**25.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: **Mobilize reclamation equipment**

Site: **Peat Mine** Permit Action: 2025 Revised Estimate Permit/Job#: M1994081

PROJECT IDENTIFICATION

Task #: 002 State: Colorado Abbreviation: None
Date: 3/25/2025 County: Alamosa Filename: M081-002
User: CMG

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:	$10.44	$22.18	$23.94
Operating Cost/Hour:	$26.48	$54.55	$55.65
Operator Cost/Hour:	$22.52	$22.52	$22.52
Helper Cost/Hour:	$0.00	$23.53	$23.53
Total Unit Cost/Hour:	$59.44	$122.78	$125.64

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	$41.02	$59.44	2	$200.92	$118.88	$250.00
					Subtotals: **$200.92**	**$118.88**	**$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, 1 T. Crew	$24.60	1	$24.60	$24.60
		Subtotals:	**$24.60**	**$24.60**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: ALAMOSA
Total one-way travel distance: 12.00 miles
Average Travel Speed: 50.00 mph

Total Non-Roadable Mob/Demob Cost * $1,055.34

‘* two round trips with haul rig:	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	$11.81

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.24	0.24
Return Time (Hours):	0.24	0.24
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.48	0.48

JOB TIME AND COST

Total job time: **2.96** Hours

Total job cost: **$1,067**