

**STATE OF  
COLORADO**

Wein - DNR, Clayton &lt;clayton.wein@state.co.us&gt;

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**New Horizon Mine, C-1981-008, MR-132 Reclamation Cost Estimate/PAR Letter**

1 message

**Wein - DNR, Clayton** <clayton.wein@state.co.us>

Thu, Aug 29, 2024 at 11:47 AM

To: "Tennyson, Tony (Colowyo)" &lt;tony.tennyson@tristategt.org&gt;

Good morning Tony,

Attached is the Division's adequacy review letter and reclamation cost estimate for MR-132. I included a table after Task 002 that shows the CIRCES task hours and equipment used for the task. Please feel free to contact me if you have any questions.

Sincerely,  
**Clayton Wein**  
Environmental Protection Specialist

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

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**2 attachments****C-1981-008, New Horizon Mine MR-132 Adequacy Review Letter\_CCW.pdf**  
381K**New Horizon Mine, C-1981-008, MR-132 Reclamation Cost Summary.pdf**  
341K



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

August 29, 2024

Tony Tennyson  
Elk Ridge Mining and  
Reclamation, LLC  
P.O. Box 628  
27646 West 5th Avenue  
Nucla, CO 81424

**RE: New Horizon Mine, Permit No. C-1981-008  
Minor Revision No. 132 Preliminary Adequacy Review**

Dear Mr. Tennyson,

The Colorado Division of Reclamation, Mining and Safety (the Division) received Elk Ridge Mining and Reclamation's (ERMR) submittal of required items for a Minor Revision on August 20, 2024. The information provided allowed Minor Revision No. 132 to be called complete on August 20, 2024. The Division has completed reviewing the application submittal for MR-130 and has the following adequacy comments.

1. Please review the attached Reclamation Cost Estimate for MR-132. The Division calculated the reclamation costs associated with the revision to be \$8,703.00.

This concludes the Division's preliminary adequacy review for the New Horizon Mine's Minor Revision No. 132 application. If you have any questions or concerns, please feel free to contact me.

Sincerely,

Clayton Wein  
Environmental Protection Specialist  
[clayton.wein@state.co.us](mailto:clayton.wein@state.co.us)

cc: Travis Marshall, Senior Environmental Protection Specialist DRMS GJFO



## COST SUMMARY WORK

Task description: MR-132 Pond 013 Geotechnical Wells

Site: New Horizon Mine

Permit Action: MR132

Permit/Job#: C1981008

### PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 8/29/2024

County: Montrose

Filename: C008-000

User: CCW

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Seal 2" Wells	BOREHOLE	1	12.00	\$1,515
002	MR-132 Demo of Concrete Well Covers	DEMOLISH	1	0.83	\$46
003	Equipment Mobilization for MR-132 Geotechnical Wells	MOBILIZE	1	7.56	\$4,771
<b><u>SUBTOTALS:</u></b>				<b>20.39</b>	<b>\$6,332</b>

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance: 2.02  
Performance bond: 1.05  
Job superintendent: 10.20  
Profit: 10.00

Total = \$128

Total = \$66

Total = \$808

Total = \$633

TOTAL O & P = \$1,636

CONTRACT AMOUNT (direct + O & P) = \$7,968

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$0  
Engineering work and/or contract/bid preparation: 5.23  
Reclamation management and/or administration: 4.00

Total = \$0

Total = \$417

\$319

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$2,371

**TOTAL BOND AMOUNT (direct + indirect) = \$8,703**

## BOREHOLE SEALING WORK

Task description: Seal 2" Wells

Site: New Horizon Mine

Permit Action: MR132

Permit/Job#: C1981008

### PROJECT IDENTIFICATION

Task #: 001

State: Colorado

Abbreviation: None

Date: 8/29/2024

County: Montrose

Filename: C008-001

User: CCW

Agency or organization name: DRMS

### UNIT COSTS

Borehole Description	Sealing/Item Method	Diameter	Length	Quantity	Unit	Unit Cost	Total Cost
PW-01	Portland cement grout ( Bag, material cost only...94 lb. bag)	2	7	0.30	bag	\$22.00	\$6.60
PW-01	Granular bentonite (Bag, material cost only...50 lb. bag)	2	18	1.70	bag	\$44.50	\$75.65
PW-01	Exposed casing removal - Calculate Circumference in Linear Feet	2	1.05	0.52	LF	\$3.23	\$1.68
PW-01 (Marker)	USER PROVIDED ITEM	NA	NA	1.00	EA	\$5.00	\$5.00
PW-02	Portland cement grout ( Bag, material cost only...94 lb. bag)	2	7	0.30	bag	\$22.00	\$6.60
PW-02	Granular bentonite (Bag, material cost only...50 lb. bag)	2	18	1.70	bag	\$44.50	\$75.65
PW-02	Exposed casing removal - Calculate Circumference in Linear Feet	2	1.05	0.52	LF	\$3.23	\$1.68
PW-02 (Marker)	USER PROVIDED ITEM	NA	NA	1.00	EA	\$5.00	\$5.00
PW-03	Portland cement grout ( Bag, material cost only...94 lb. bag)	2	7	0.30	bag	\$22.00	\$6.60
PW-03	Granular bentonite (Bag, material cost only...50 lb. bag)	2	18	1.70	bag	\$44.50	\$75.65
PW-03	Exposed casing removal - Calculate Circumference in Linear Feet	2	1.05	0.52	LF	\$3.23	\$1.68
PW-03 (Marker)	USER PROVIDED ITEM	NA	NA	1.00	EA	\$5.00	\$5.00
PW-04	Portland cement grout ( Bag, material cost only...94 lb. bag)	2	7	0.30	bag	\$22.00	\$6.60
PW-04	Granular bentonite (Bag, material cost only...50 lb. bag)	2	18	1.70	bag	\$44.50	\$75.65

PW-04	Exposed casing removal - Calculate Circumference in Linear Feet	2	1.05	0.52	LF	\$3.23	\$1.68
PW-04 (Marker)	USER PROVIDED ITEM	NA	NA	1.00	EA	\$5.00	\$5.00
PW-05	Portland cement grout ( Bag, material cost only...94 lb. bag)	2	7	0.30	bag	\$22.00	\$6.60
PW-05	Granular bentonite (Bag, material cost only...50 lb. bag)	2	18	1.70	bag	\$44.50	\$75.65
PW-05	Exposed casing removal - Calculate Circumference in Linear Feet	2	1.05	0.52	LF	\$3.23	\$1.68
PW-05 (Marker)	USER PROVIDED ITEM	NA	NA	1.00	EA	\$5.00	\$5.00
PW-06	Portland cement grout ( Bag, material cost only...94 lb. bag)	2	7	0.30	bag	\$22.00	\$6.60
PW-06	Granular bentonite (Bag, material cost only...50 lb. bag)	2	18	1.70	bag	\$44.50	\$75.65
PW-06	Exposed casing removal - Calculate Circumference in Linear Feet	2	1.05	0.52	LF	\$3.23	\$1.68
PW-06 (Marker)	USER PROVIDED ITEM	NA	NA	1.00	EA	\$5.00	\$5.00
2 Man Crew 2 hrs per Hole	Flatbed Truck, 6x4, 45K GVW	NA	NA	12.00	EA	\$81.77	\$981.24

Job Hours: 12.00Total Cost: \$1,515.00

## DEMOLITION WORK

Task description: MR-132 Demo of Concrete Well Covers

Site: New Horizon Mine

Permit Action: MR132

Permit/Job#: C1981008

### PROJECT IDENTIFICATION

Task #: 002

State: Colorado

Abbreviation: None

Date: 8/29/2024

County: Montrose

Filename: C008-002

User: CCW

Agency or organization name: DRMS

### UNIT COSTS

Location adjustment: 85.90 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Concrete Well Covers 6 Total	2' x 2' x 4"	Floor, concrete, demolition only, 4 in. thick - No reinforcing	24.00	SF	\$1.18	\$28.32
Transport Concrete Debris for Disposal	0.29 Cubic Yards	Load/haul/dump demolished materials/debris into pit - Max. 5,000 ft. haul	0.29	CY	\$1.51	\$0.44
Remove and dispose of SW-01 Casing	2" PVC Pipe	USER PROVIDED ITEM	1.00	EA	\$25.00	\$25.00

Job Hours: 0.83

Subtotal  
(unadjusted): \$53.76

Total Cost  
(adjusted for  
location): \$46.18

Job Demo Hours						Equipment Used					
Task	Quantity	Unit	Min Hrs	Max Hrs	Crew	Task	Crew				
Concrete Walls	24	SF	0.72	0.72	N/A	Concrete Walls	N/A				
Transport concrete	0.29	CY	0.01	0.01	CIRCES 12	Transport concrete	CIRCES 12	Track Loader - 973D	Generic 12-18 CY, 6x4		
Remove casing	1	EA	0.1	0.1	N/A	Remove casing	N/A				
<b>Total</b>			<b>0.83</b>	<b>0.83</b>							

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Equipment Mobilization for MR-132 Geotechnical Wells**Site: **New Horizon Mine**Permit Action: **MR132**Permit/Job#: **C1981008****PROJECT IDENTIFICATION**Task #: **003**State: **Colorado**Abbreviation: **None**Date: **8/29/2024**County: **Montrose**Filename: **C008-003**User: **CCW**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:**

<b>Available Rig Capacities</b>	<b>0-25 Tons</b>	<b>26-50 Tons</b>	<b>51+ Tons</b>
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
CAT 973D	29.07	\$120.46	\$122.78	1	\$243.24	\$122.78	\$250.00
SCHRAMM T450WS	0.00	\$281.20	\$59.44	1	\$340.64	\$59.44	\$250.00

Subtotals: **\$583.88** **\$182.22** **\$500.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Generic 12-18 cy, 6x4	\$115.19	1	\$115.19	\$115.19
Water Tanker, 2,500 Gal.	\$34.10	1	\$34.10	\$34.10
Flatbed Truck, 6x4, 45K GVW	\$81.77	1	\$81.77	\$81.77

Subtotals: **\$231.06** **\$231.06**



**EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:	<u>GRAND JUNCTION</u>	
Total one-way travel distance:	<u>104.00</u>	miles
Average Travel Speed:	<u>55.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$3,897.25</u>
'* two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$873.83</u>
** one round trip, no haul rig:	

**Transportation Cycle Time:**

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>1.89</u>	<u>1.89</u>
Return Time (Hours):	<u>1.89</u>	<u>1.89</u>
Loading Time (Hours):	<u>0.00</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.00</u>	<u>NA</u>
Subtotals:	<u>3.78</u>	<u>3.78</u>

**JOB TIME AND COST**

Total job time:	<u>7.56</u>	Hours
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Total job cost:	<u>\$4,771</u>
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