

**STATE OF  
COLORADO****Simmons - DNR, Leigh** <leigh.simmons@state.co.us>

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**C1980007, West Elk Mine, TR-156, RCE**

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**Simmons - DNR, Leigh** <leigh.simmons@state.co.us>

Mon, Aug 5, 2024 at 11:13 AM

To: "Wilczek, Jessica" &lt;jwilczek@archrsc.com&gt;

Jessica,

The Division's reclamation cost estimate for TR-156 is attached. It includes tasks for removing the two new tanks as well as the buried pipes. It is assumed that the cost of disassembling the overhead pipe is covered in the dismantling of the conveyor structure it will be routed along.

Task hours have been calculated using a recently developed tool based on information from the RS Means handbook.

TR-156 would add \$12,293 to the minimum required surety. Since Mountain Coal Company has considerable surplus bond posted for the site, no additional bond would be needed.

Please let me know if you concur with the estimate and I'll proceed with the approval.

Leigh Simmons  
Environmental Protection Specialist

**COLORADO**  
Division of Reclamation,  
Mining and Safety  
Department of Natural ResourcesP [720.220.1180](tel:720.220.1180)

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**C1980007\_TR156\_RCE.pdf**

31K

## COST SUMMARY WORK

Task description: Demo surface water diversion from TLO to MB3

Site: West Elk Mine

Permit Action: TR-156

Permit/Job#: C1980007

### PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 8/5/2024

County: Delta

Filename: C007-000

User: LDS

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Demo tanks, trench and associated pipework, TLO to MB3	DEMOLISH	1	80.00	\$8,068
<b><u>SUBTOTALS:</u></b>				<b>80</b>	<b>\$8,068</b>

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$163

Performance bond: 1.05

Total = \$85

Job superintendent: 40.00

Total = \$3,171

Profit: 10.00

Total = \$807

TOTAL O & P = \$4,225

CONTRACT AMOUNT (direct + O & P) = \$12,293

#### 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: 0.00

\$0

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$4,225

**TOTAL BOND AMOUNT (direct + indirect) = \$12,293**

## DEMOLITION WORK

Task description: Demo tanks, trench and associated pipework, TLO to MB3

Site: West Elk Mine

Permit Action: TR-156

Permit/Job#: C1980007

### PROJECT IDENTIFICATION

Task #: 001

State: Colorado

Abbreviation: None

Date: 8/5/2024

County: Delta

Filename: C007-001

User: LDS

Agency or organization name: DRMS

### UNIT COSTS

Location adjustment: 89.80 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Interceptor tank	1500 gallon	Comprehensive storage tank removal, non-leaking - 3,000 to 5,000 gal. tank	1.00	EA	\$3,550.90	\$3,550.90
Staging tank	1500 gallon	Comprehensive storage tank removal, non-leaking - 3,000 to 5,000 gal. tank	1.00	EA	\$3,550.90	\$3,550.90
8" hdpe pipe, buried	75'	Pipe, corrugated metal (CMP) - 8 in. diameter pipe	75.00	LF	\$4.51	\$338.01
4" hdpe pipe, buried	260'	Pipe, corrugated metal (CMP) - 8 in. diameter pipe	130.00	LF	\$4.51	\$585.88
3" hdpe pipe, buried	250'	Pipe, corrugated metal (CMP) - 8 in. diameter pipe	80.00	LF	\$4.51	\$360.54
On-site disposal of all pipe	8 cy	Load/haul/dump demolished materials/debris into pit - Max. 1,000 ft. haul	8.00	CY	\$1.06	\$8.50
Remove trench drain pipe	12" * 50'	Pipe, reinforced concrete (RCP) - 12 in. diameter pipe	50.00	LF	\$11.79	\$589.63

Job Hours: 80.00

Subtotal  
(unadjusted): \$8,984.36

Total Cost  
(adjusted for location): \$8,067.96