



STATE OF
COLORADO

Ridley - DNR, Hunter <hunter.ridley@state.co.us>

Notice of Surety Increase, Kagie Pit (M-1979-102)

1 message

Ridley - DNR, Hunter <hunter.ridley@state.co.us>

Wed, May 3, 2023 at 8:29
AM

To: Randy Foster <fosterranch@gmail.com>

Cc: Chuck Armbruster <realestate@chuckarmbruster.com>, Sara Stevenson-Benn
- DNR <sara.stevenson-benn@state.co.us>

Good morning,

Please find attached the Division's Notice of Surety Increase for the Kagie Pit, Permit No. M-1979-102. Let me know if you have any questions or concerns.

Kind regards,
Hunter Ridley
Environmental Protection Specialist



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

P 720.868.7757 | F 303.832.8106

Physical: 1313 Sherman Street, Room 215, Denver, CO 80203

Mailing: DRMS Room 215, 1001 E 62nd Ave, Denver, CO 80216

hunter.ridley@state.co.us | <https://drms.colorado.gov>



SI3_DecisionNotice_M1979102.pdf
741K



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

May 3, 2023

Randy Foster
West Fish Creek Ranch, LLC
108 Harvard Ct.
Plano, TX 75093

**Re: Kagie Gravel Pit - File No. M-1979-102
West Fish Creek Ranch, LLC
Surety Increase (SI-3)**

Dear Randy Foster:

On May 3, 2023 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$31,125.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$6,966.00.

Please see the April 26, 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 (May 3, 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 July 2, 2023, if the amount of any increased Financial Warranty has not been provided.

Bond Held:	\$24,159.00
Prior Liability:	\$24,159.00
Change in Liability:	\$6,966.00
Revised Liability:	\$31,125.00
Prior Permit Acreage:	9.00



Change in Permit Acreage:	0.00
Revised Permit Acreage:	9.00
Prior Affected Acreage:	9.00
Change in Affected Acreage:	0.00
Revised Affected Acreage:	9.00

If you have any questions, please contact me by telephone at 720-868-7757, or by email at Hunter.ridley@state.co.us.

Sincerely,



Hunter C. Ridley

Environmental Protection Specialist

cc: Michael Cunningham, DRMS

Sara Stevenson-Benn, Financial Assurance Specialist, DRMS



COST SUMMARY WORK

Task description: Updated post SO inspection 04/2023

Site: Kagie Gravel Pit

Permit Action: 2023_SO

Permit/Job#: M1979102

PROJECT IDENTIFICATION

Task #: HCR

State: Colorado

Abbreviation: None

Date: 4/26/2023

County: Routt

Filename: M102-HCR

User: HR1

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Highwall reduction	DOZER	1	6.51	\$1,718
02a	Topsoil distribution	DOZER	1	11.32	\$3,156
03a	Reveg disturbed areas	REVEGE	1	16.00	\$17,619
04a	Mobilize reclamation crew/equipment	MOBILIZE	1	6.57	\$3,723
<u>SUBTOTALS:</u>				40.4	\$26,216

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$530

Performance bond: 1.05

Total = \$275

Job superintendent: 0.00

Total = \$0

Profit: 10.00

Total = \$2,622

TOTAL O & P = \$3,426

CONTRACT AMOUNT (direct + O & P) = \$29,642

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

\$1,482

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$4,909

TOTAL BOND AMOUNT (direct + indirect) = \$31,125

BULLDOZER WORKTask description: **Highwall reduction**Site: **Kagie Gravel Pit** Permit Action: **2023_SO** Permit/Job#: **M1979102****PROJECT IDENTIFICATION**

Task #: **01A** State: **Colorado** Abbreviation: **None**
 Date: **4/26/2023** County: **Routt** Filename: **M102-01a**
 User: **HR1**

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

Basic Machine: **Cat D8T - 8SU**
 Horsepower: **310**
 Blade Type: **Semi-Universal**
 Attachment: **NA**
 Shift Basis: **1 per day**
 Data Source: **(CRG)**

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$124.85	NA
Operating Cost/Hour:	\$97.63	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: **\$263.78**
 Total Fleet Cost/Hour: **\$263.78**

MATERIAL QUANTITIES

Initial Volume: **4,097**
 Swell factor: **1.000**
 Loose volume: **4,097 LCY**

Source of estimated volume: **See attached**
 Source of estimated swell factor: **Cat Handbook**

HOURLY PRODUCTION

Average push distance: **50 feet**
 Unadjusted hourly production: **1,400.0 LCY/hr**

Materials consistency description: **Consolidated stockpile 1.0**

Average push gradient: **0 %**
 Average site altitude: **8,000 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:	1.000	(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:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4492

Adjusted unit production: 628.88 LCY/hr

Adjusted fleet production: **628.88** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.419/LCY

Total job time: **6.51** Hours

Total job cost: **\$1,718**

BULLDOZER WORKTask description: Topsoil distributionSite: Kagie Gravel PitPermit Action: 2023_SOPermit/Job#: M1979102**PROJECT IDENTIFICATION**Task #: 02AState: ColoradoAbbreviation: NoneDate: 4/26/2023County: RouttFilename: M102-02aUser: HR1Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D8T - 8SUHorsepower: 310Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$124.85	NA
Operating Cost/Hour:	\$97.63	100
Ripper own. Cost/Hour:	\$13.10	NA
Ripper op. Cost/Hour:	\$1.83	25
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: \$278.71Total Fleet Cost/Hour: \$278.71**MATERIAL QUANTITIES**Initial Volume: 7,260Swell factor: 1.000Loose volume: 7,260 LCYSource of estimated volume: 9 ac at a depth of 6 inchesSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 100 feetUnadjusted hourly production: 852.6 LCY/hrMaterials consistency description: Loose stockpile 1.2Average push gradient: 0 %Average site altitude: 8,000 feetMaterial weight: 1,600 lbs/LCYWeight description: Top Soil**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:	0.700	(FND-MF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.7519

Adjusted unit production: 641.07 LCY/hr

Adjusted fleet production: **641.07** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.435/LCY

Total job time: **11.32** Hours

Total job cost: **\$3,156**

REVEGETATION WORKTask description: Reveg disturbed areasSite: Kagie Gravel PitPermit Action: 2023_SOPermit/Job#: M1979102**PROJECT IDENTIFICATION**Task #: 03AState: ColoradoAbbreviation: NoneDate: 4/26/2023County: RouttFilename: 03aUser: HR1Agency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
6--6--6	40.00	pound	\$0.18	\$7.20
			Total Fertilizer Materials Cost/Acre	\$7.20

Application

Description	Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)	\$39.64
Total Fertilizer Application Cost/Acre	\$39.64

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.18
Total Tilling Cost/Acre	\$117.18

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Big Bluegrass - Sherman	1.00	20.66	\$8.48
Crested Wheatgrass - Ephraim	4.50	20.66	\$19.46
Pubescent Wheatgrass - Luna	4.50	9.30	\$15.30
Tall Fescue - Fawn E.F.	2.00	10.42	\$3.85
Totals Seed Mix	12.00	61.04	\$47.09

Application

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

Total Seed Application Cost/Acre	\$232.00
---	-----------------

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$3.04	\$3.04
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$421.36	\$842.72
Total Mulch Materials Cost/Acre				\$845.76

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$73.00
Power mulcher (MEANS 32 91 13.16 0350)	\$141.57
Weed spray, truck, non-aquatic area, nox. [DMG]	\$62.72
Total Mulch Application Cost/Acre	\$277.29

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: 9 Cost /Acre: \$1,566.16
 Estimated Failure Rate: 25% Cost /Acre*: \$1,566.16
 *Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING,MULCHING

Initial Job Cost: **\$14,095.44**
 Reseeding Job Cost: **\$3,523.86**
 Total Job Cost: **\$17,619**
 Job Hours: **16.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mobilize reclamation crew/equipment**Site: **Kagie Gravel Pit**Permit Action: **2023_SO**Permit/Job#: **M1979102****PROJECT IDENTIFICATION**Task #: **04A**State: **Colorado**Abbreviation: **None**Date: **4/26/2023**County: **Routt**Filename: **04a**User: **HR1**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:	\$15.25	\$23.06	\$37.58
Operating Cost/Hour:	\$25.26	\$30.83	\$51.41
Operator Cost/Hour:	\$27.71	\$27.71	\$27.71
Helper Cost/Hour:	\$0.00	\$20.22	\$20.22
Total Unit Cost/Hour:	\$68.22	\$101.82	\$136.92

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 D8T - 8SU	47.71	\$124.85	\$101.82	1	\$226.67	\$101.82	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$6.25	\$68.22	1	\$74.47	\$68.22	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$14.79	\$68.22	1	\$83.01	\$68.22	\$250.00

Subtotals: **\$384.15** **\$238.26** **\$750.00****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.	\$14.23	1	\$14.23	\$14.23

Subtotals: **\$14.23** **\$14.23**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

STEAMBOAT
SPRINGSTotal one-way travel distance: 40.00 milesAverage Travel Speed: 35.00 mph

Total Non-Roadable Mob/Demob Cost *

\$3,690.95

** two round trips with haul rig:

Total Roadable Mob/Demob Cost **

\$32.53

** one round trip, no haul rig:

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	1.14	1.14
Return Time (Hours):	1.14	1.14
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	3.29	2.29

JOB TIME AND COSTTotal job time: 6.57 HoursTotal job cost: \$3,723