




COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY
MINERALS PROGRAM INSPECTION REPORT
PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

MINE NAME: North Bank Resources	MINE/PROSPECTING ID#: M-2006-018	MINERAL: Sand and gravel	COUNTY: Garfield
INSPECTION TYPE: Monitoring	INSPECTOR(S): Dustin M. Czapla	INSP. DATE: November 15, 2011	INSP. TIME: 13:00
OPERATOR: Lafarge West, Inc.	OPERATOR REPRESENTATIVE: Sean Frisch	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$196,600.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Cloudy	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: November 22, 2011

The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

INSPECTION TOPIC: Signs & Markers

PROBLEM/POSSIBLE VIOLATION: Problem: The mine identification sign was not posted at the entrance of the mine site. This is a problem for failure to post a mine identification sign as required by Rule 3.1.12(1).

CORRECTIVE ACTIONS: The operator shall, at the entrance of the mine site, post a sign which shall be clearly visible from the access road with the following: the name of the operator, a statement that a reclamation permit for the operation has been issued by the Colorado Mined Land Reclamation Board; and the permit number. The operator shall submit photo documentation that a proper sign has been posted by the corrective action date.

CORRECTIVE ACTION DUE DATE: 12/23/11

OBSERVATIONS

This inspection was conducted as part of the Division of Reclamation, Mining and Safety's (Division) normal monitoring program. Sean Frisch, Steve Fisk and Dan Knox, representing the Operator, were present during this inspection. Photographs are included at the end of this report in order to illustrate some of the conditions observed during this inspection.

The North Bank Resources site is located approximately 3 miles east of Rifle and accessed from Hwy. 6. The site is a 112c operation that includes a total of 238 permitted acres. The Division currently holds a financial warranty amount of \$196,600.00 for this site. The Division will review the reclamation costs for this site in order to ensure the financial warranty reflects the actual current cost of fulfilling the requirements of the Reclamation Plan. The Operator will be notified if the Division determines that the current financial warranty amount is insufficient.

Adequate mine identification signage was not noted at the entrance to the site in accordance with Rule 3.1.12(1).

The affected area was marked by markers that were clearly visible and adequate to delineate the affected area boundary in accordance with Rule 3.1.12(2).

Mining at this site was occurring in Mine Cell B during the time of this inspection, progressing easterly. Much of the north and south mined out slopes in Mine Cell B had been backfilled to approximately 3H:1V or less.

Material mined at the site is transported by an approximately one mile long overland conveyor to the Mamm Creek Sand and Gravel site (M-2000-113), located on the south side of the Colorado River.

A dewatering trench along the south side of Mine Cell B delivers water to the discharge pump, which was located in the south central part of Mine Cell B.

One fuel tank, with built in secondary containment, was noted on site.

Noxious weeds were not observed at the site.

No other problems or violations were noted during this inspection.

Responses to this inspection report should be directed to Dustin Czapla at the Division of Reclamation, Mining and Safety, Grand Junction Field Office, 101 South 3rd Street, Room 301, Grand Junction, Colorado 81501, phone number (970) 243-6299.

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>NA</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>PB</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(SB) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>Y</u>	(OD) OFF-SITE DAMAGE----- <u>N</u>	(ST) STIPULATIONS----- <u>NA</u>

Y = Inspected and found in compliance / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

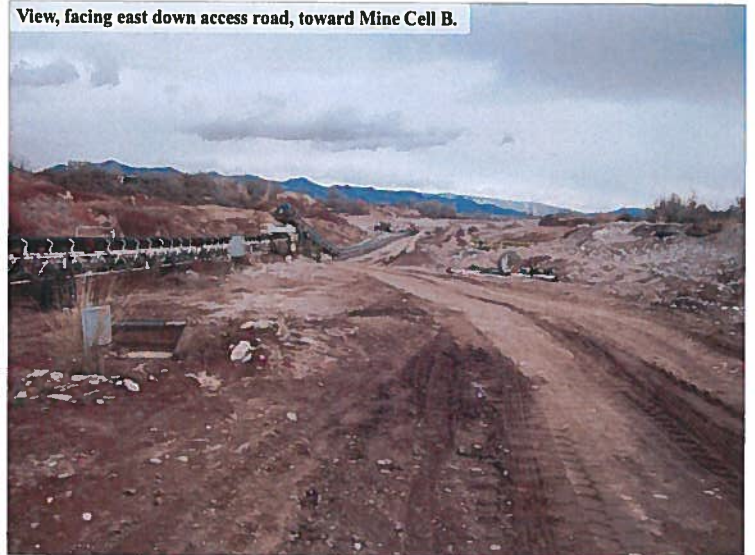
Inspection Contact Address

Sean Frisch
Lafarge West, Inc.
10170 Church Ranch Way, Ste. 200
Westminister, CO
80021

Fuel stored on site in adequate containment.



View, facing east down access road, toward Mine Cell B.



View, facing east, toward the active mining face in Mine Cell B. The mined slope on the right side of the photo has been graded to 3H:1V or less. A topsoil stockpile is located at the rim of the graded slope.



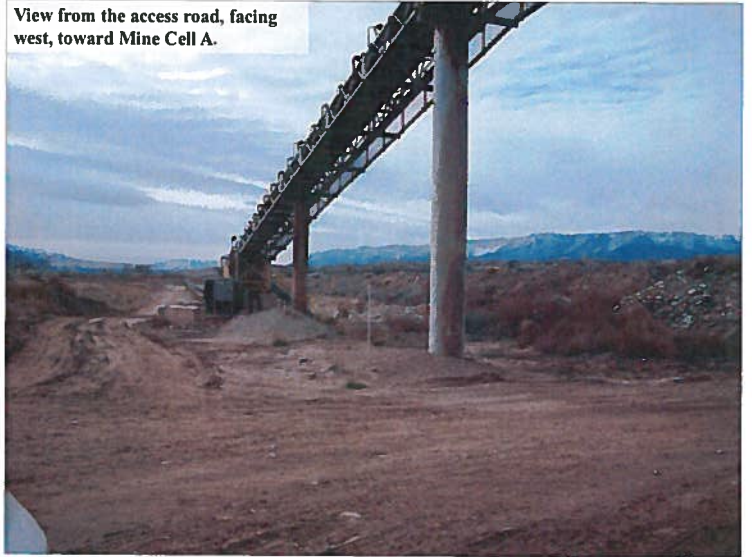
View from the south side of Mine Cell B, facing north. Much of the north slope of the pit has been graded to 3H:1V or less. The active mine face is shown on right side of the photo.



View from the south side of Mine Cell B, facing northwest, towards crusher unit and conveyor.



View from the access road, facing west, toward Mine Cell A.



View from the west end of the conveyor and Mine Cell A, facing east toward the access road and Mine Cell B.



View from the west end of the conveyor and Mine Cell A, facing south toward Mamm Creek Sand and Gravel (M-2000-113).



COST SUMMARY

Task description: Financial Warranty Review

Site: North Bank Resources

Permit Action: 2011 Midterm Review

Permit/Job#: M2006018

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 11/22/2011

County: Garfield

Filename: M018-000

User: DMC

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Remove overland conveyor	DEMOLISH	1	40.00	\$95,634.67
02a	Reduce remaining slopes to 3H:1V and final site grading	DOZER	1	30.20	\$6,037.25
03a	Transport topsoil to areas that will be seeded	LOADER	2	41.29	\$11,624.00
03b	Spread topsoil	DOZER	1	20.15	\$4,028.36
04a	Revegetate upland areas	REVEGE	1	20.00	\$3,967.89
04b	Revegetate riparian areas	REVEGE	1	10.00	\$3,758.13
05a	Mobilize reclamation crew and equipment	MOBILIZE	1	2.57	\$3,534.19
<u>SUBTOTALS:</u>				164.21	\$128,584.49

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Performance bond: 1.05

Job superintendent: 82.11

Profit: 10.00

Total = \$2,597.41

Total = \$1,350.14

Total = \$4,868.83

Total = \$12,858.45

TOTAL O & P = \$21,674.83

CONTRACT AMOUNT (direct + O & P) = \$150,259.32

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): 500.00

Engineering work and/or contract/bid preparation: 0.00

Reclamation management and/or administration: 5.00

Total = 500.00

Total = \$0.00

\$7,512.97

CONTINGENCY: 3.00

Total = \$3,857.53

TOTAL INDIRECT COST = \$33,545.33

TOTAL BOND AMOUNT (direct + indirect) = \$162,129.82

DEMOLITION WORK

Task description: Remove overland conveyor

Site: North Bank Resources

Permit Action: 2011 Midterm Review

Permit/Job#: M2006018

PROJECT IDENTIFICATION

Task #: 01A

State: Colorado

Abbreviation: None

Date: 11/22/2011

County: Garfield

Filename: M018-01a

User: DMC

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 102.20 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Conveyor	5,600 ft. length	Conveyor, overland, including supports - 5 ft. W x 6 ft. H housing	5,600.00	LF	\$16.71	\$93,576.00

Job Hours: 40.00

Subtotal
(unadjusted): \$93,576.00

Total Cost
(adjusted for location): \$95,634.67

BULLDOZER WORKTask description: **Reduce remaining slopes to 3H:1V and final site grading**Site: **North Bank Resources**Permit Action: **2011 Midterm Review**Permit/Job#: **M2006018****PROJECT IDENTIFICATION**Task #: **02A**State: **Colorado**Abbreviation: **None**Date: **11/22/2011**County: **Garfield**Filename: **M018-02a**User: **DMC**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Basic Machine: **Cat D8T - 8U**Horsepower: **310**Blade Type: **Universal**Attachment: **NA**Shift Basis: **1 per day**Data Source: **(CRG)****Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$58.56	NA
Operating Cost/Hour:	\$102.84	100
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$38.49	NA

Total unit Cost/Hour: **\$199.89**Total Fleet Cost/Hour: **\$199.89****MATERIAL QUANTITIES**Initial Volume: **10,000**Swell factor: **1.000**Loose volume: **10,000 LCY**Source of estimated volume: **Division of Reclamation, Mining & Safety**Source of estimated swell factor: **Cat Handbook****HOURLY PRODUCTION**Average push distance: **100 feet**Unadjusted hourly production: **931.6 LCY/hr**Materials consistency description: **Compacted fill or embankment 0.9**Average push gradient: **0 %**Average site altitude: **5,350 feet**Material weight: **2,900 lbs/LCY**Weight description: **Sand and 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	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3554

Adjusted unit production: 331.09 LCY/hr

Adjusted fleet production: **331.09** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.604/LCY

Total job time: **30.20** Hours

Total job cost: **\$6,037.25**

WHEEL LOADER – LOAD AND CARRY WORKTask description: Transport topsoil to areas that will be seededSite: North Bank ResourcesPermit Action: 2011 Midterm ReviewPermit/Job#: M2006018**PROJECT IDENTIFICATION**Task #: 03A
Date: 11/22/2011
User: DMCState: Colorado
County: GarfieldAbbreviation: None
Filename: M018-03aAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: CAT 972H
Attachment 1: ROPS CabHorsepower: 287
Shift Basis: 1 per day
Data Source: (CRG)**Cost Breakdown:**

		Utilization %
Ownership Cost/Hour:	\$36.70	NA
Operating Cost/Hour:	\$65.54	100
Operator Cost/Hour:	\$38.49	NA
Total Unit Cost/Hour:	\$140.73	
Total Fleet Cost/Hour:	\$281.46	

MATERIAL QUANTITIESInitial volume: 16,133 CCY Swell factor: 1.000
Loose volume: 16,133 LCYSource of estimated volume: Approximate 10 ac. at 12" depth
Source of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Loader Cycle Time: Unadjusted Basic Cycle Time (load, dump, maneuver): 0.525 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Material up to 1/8" diameter 0.02	0.020	(Cat HB)
Stockpile:	Conveyor or dozer piled 10 ft. high or less 0.01	0.010	(Cat HB)
Truck Ownership:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		-0.010	minutes
Adjusted Basic Cycle Time:		0.515	minutes

Rolling Resistance – Road ConditionsHaul: Rutted dirt, little maintenance, no water, 2" tire penetration 5.0
Return: Rutted dirt, little maintenance, no water, 2" tire penetration 5.0**Haul and Return Time**

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
Haul Route:	500	0.00	5.00	5.00	0.4611	(Cat HB)
Return Route:	500	0.00	5.00	5.00	0.4160	(Cat HB)

Total Travel Time: 0.8771 minutes
 Total Cycle Time: 1.3921 minutes

Load Bucket Capacity

Rated Capacity: 5.60 LCY (heaped)
 Bucket Fill Factor: 0.975 Loose material - uniform aggregates to 1/8" (95-100%) 0.975
 Adjusted Capacity: 5.46 LCY

Job Condition Correction FactorsSite Altitude: 5350 feet

		Source
Altitude Adj:	<u>1.00</u>	(CAT HB)
Job Efficiency:	<u>0.83</u>	(1 shift/day)
Net Correction:	<u>0.83</u>	multiplier

Unadjusted Hourly Unit Production: 235.33 LCY/Hour
 Adjusted Hourly Unit Production: 195.32 LCY/Hour
 Adjusted Hourly Fleet Production: 390.65 LCY/Hour

JOB TIME AND COST

Fleet size: 2 Loader(s) Total job time: 41.30 Hours
 Unit cost: \$0.720 /LCY Total job cost: \$11,624.00

BULLDOZER WORKTask description: Spread topsoilSite: North Bank ResourcesPermit Action: 2011 Midterm ReviewPermit/Job#: M2006018PROJECT IDENTIFICATIONTask #: 03BState: ColoradoAbbreviation: NoneDate: 11/22/2011County: GarfieldFilename: M018-03bUser: DMCAgency or organization name: DRMSHOURLY EQUIPMENT COSTBasic Machine: Cat D8T - 8UHorsepower: 310Blade Type: UniversalAttachment: NAShift Basis: 1 per dayData Source: (CRG)Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$58.56	NA
Operating Cost/Hour:	\$102.84	100
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$38.49	NA

Total unit Cost/Hour: \$199.89Total Fleet Cost/Hour: \$199.89MATERIAL QUANTITIESInitial Volume: 16,133Swell factor: 1.000Loose volume: 16,133 LCYSource of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat HandbookHOURLY PRODUCTIONAverage push distance: 100 feetUnadjusted hourly production: 931.6 LCY/hrMaterials consistency description: Loose stockpile 1.2Average push gradient: 0 %Average site altitude: 5,350 feetMaterial weight: 1,600 lbs/LCYWeight description: Top SoilJob 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:	0.800	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.8593

Adjusted unit production: 800.52 LCY/hr

Adjusted fleet production: 800.52 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.250/LCY

Total job time: 20.15 Hours
Total job cost: \$4,028.36

REVEGETATION WORKTask description: Revegetate upland areasSite: North Bank ResourcesPermit Action: 2011 Midterm ReviewPermit/Job#: M2006018**PROJECT IDENTIFICATION**Task #: 04AState: ColoradoAbbreviation: NoneDate: 11/22/2011County: GarfieldFilename: M018-04aUser: DMCAgency 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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$92.35
Weed control spraying (MEANS 31 31 16.13 3100)	\$145.20
Total Tilling Cost/Acre	\$237.55

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Big Bluegrass - Sherman	0.50	10.33	\$3.38
Blue Grama - Native	0.80	13.06	\$8.10
Indian Ricegrass - Native	1.50	4.86	\$9.90
Bottlebrush Squirreltail	2.30	10.14	\$55.96
Intermediate Wheatgrass - Oahe	2.50	5.34	\$5.35
Slender Wheatgrass - Native	1.40	5.11	\$3.08
Milk Vetch, Cicer - Lutana	2.00	6.66	\$9.94
Rabbitbrush, Rubber	1.40	20.86	\$50.16
Western Wheatgrass - Native	7.90	19.95	\$23.54
Needlegrass, Green - Lodorm	1.20	4.99	\$6.34
Sage, Fringed	0.10	8.36	\$6.90
Saltbush, Four Wing	6.30	8.68	\$66.15

Saltgrass, Inland	0.80	11.09	\$36.80
Penstemon, Rocky Mountain	0.25	3.92	\$8.25
Basin Wildrye - Trailhead	5.00	20.32	\$32.05
Greasewood, Black	3.10	435.39	\$65.63
Totals Seed Mix	37.05	589.03	\$391.53

Application

Description	Cost /Acre
Drill seeding {DMG}	\$90.11
Total Seed Application Cost/Acre	\$90.11

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 2.0 pt/ac	1.00	ACRE	\$2.40	\$2.40
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$164.00	\$328.00
Total Mulch Materials Cost/Acre				\$330.40

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$65.89
Weed spray, truck, aquatic area, nox. [DMG]	\$60.19
Total Mulch Application Cost/Acre	\$126.08

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: 2.7 Cost /Acre: \$1,175.67
 Estimated Failure Rate: 25% Cost /Acre*: \$1,175.67
 *Selected Replanting Work Items: TILLING, SEEDING, NURSERY, MULCHING

Initial Job Cost: \$3,174.31
 Reseeding Job Cost: \$793.58
 Total Job Cost: \$3,967.89
 Job Hours: 20.00

REVEGETATION WORKTask description: Revegetate riparian areasSite: North Bank ResourcesPermit Action: 2011 Midterm ReviewPermit/Job#: M2006018**PROJECT IDENTIFICATION**Task #: 04BState: ColoradoAbbreviation: NoneDate: 11/22/2011County: GarfieldFilename: M018-04bUser: DMCAgency 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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$92.35
Weed control spraying (MEANS 31 31 16.13 3100)	\$145.20
Total Tilling Cost/Acre	\$237.55

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alkali Sacaton	1.50	58.54	\$33.50
Alkali Bulrush	0.10	0.99	\$5.83
Creeping Spike Rush	0.10	1.42	\$16.00
Alkaligrass, Fult's	0.10	2.75	\$0.32
Common Rush	0.90	330.58	\$180.00
Common Three Square	0.80	7.35	\$134.00
Beaked Sedge	1.50	12.48	\$354.75
Softstem Bulrush	0.80	10.10	\$104.00
Torrey's Rush	0.40	112.95	\$110.00
Nebraska Sedge	0.30	6.28	\$40.50
Western Wheatgrass - Native	0.30	0.76	\$0.89
Saltgrass, Inland	0.10	1.39	\$4.60

Totals Seed Mix	6.90	545.59	\$984.39
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Application

Description	Cost /Acre
Drill seeding {DMG}	\$90.11
Total Seed Application Cost/Acre	\$90.11

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 2.0 pt/ac	1.00	ACRE	\$2.40	\$2.40
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$164.00	\$328.00
Total Mulch Materials Cost/Acre				\$330.40

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$65.89
Weed spray, truck, non-aquatic area, nox. [DMG]	\$60.19
Total Mulch Application Cost/Acre	\$126.08

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: 1.7 Cost /Acre: \$1,768.53
 Estimated Failure Rate: 25% Cost /Acre*: \$1,768.53
 *Selected Replanting Work Items: TILLING, SEEDING, NURSERY,
MULCHING

Initial Job Cost: \$3,006.50
 Reseeding Job Cost: \$751.63
 Total Job Cost: \$3,758.13
 Job Hours: 10.00

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mobilize reclamation crew and equipment**Site: **North Bank Resources**Permit Action: **2011 Midterm Review**Permit/Job#: **M2006018****PROJECT IDENTIFICATION**Task #: **05A**State: **Colorado**Abbreviation: **None**Date: **11/22/2011**County: **Garfield**Filename: **M018-05a**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:	\$16.63	\$18.37	\$22.33
Operating Cost/Hour:	\$44.38	\$46.13	\$50.07
Operator Cost/Hour:	\$27.66	\$27.66	\$27.66
Helper Cost/Hour:	\$0.00	\$25.39	\$25.39
Total Unit Cost/Hour:	\$88.67	\$117.55	\$125.45

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 - 8U	48.33	\$58.56	\$117.55	1	\$176.11	\$117.55	\$250.00
CAT 972H	28.00	\$36.70	\$117.55	2	\$308.50	\$235.10	\$500.00
Drill/Broadcast Seeder with Tractor	25.00	\$39.59	\$88.67	1	\$128.26	\$88.67	\$250.00

Subtotals: **\$612.87** **\$441.32** **\$1,000.00****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	\$25.30	1	\$25.30	\$25.30

Subtotals: **\$25.30** **\$25.30**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	RIFLE	
Total one-way travel distance:	5.00	miles
Average Travel Speed:	35.00	mph

Total Non-Roadable Mob/Demob Cost *	\$3,526.94
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	\$7.23
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.14	0.14
Return Time (Hours):	0.14	0.14
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.29	0.29

JOB TIME AND COST

Total job time:	2.57	Hours
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Total job cost:	\$3,534.17
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