

AUG 20 2024



Himes Consulting LLC

August 15, 2024
Reference No. 22-31

Arizona State Mine Inspector
Amanda Lothner, Reclamation Specialist
1700 W. Washington, Suite 403
Phoenix, AZ 85007-2805

Re: Reclamation Plan for Red Lake Properties, LLC Red Lake Material Source

Dear Ms. Lothner:

Enclosed please find two copies of the revised cost estimate for the Reclamation and Closure Plan for the Red Lake Material Source in response to your May 16, 2024 Technical Comments.

Please feel free to contact me in regards to any questions.

Sincerely,



HIMES CONSULTING, LLC
Jill A. Himes

Cc: Michael Fann, Red Lake Properties, LLC

AUG 20 2024

Reclamation Cost Estimate

Red Lake Materials Source

Reclamation Cost Estimate Methodology

Unit costs developed for this Reclamation & Closure Plan are based on ADOT-approved estimating sources. Equipment unit costs are based on Equipment Watch Rental Rate Blue Book, Davis Bacon published labor rates, along with estimated productivity for material movement based primarily on the Caterpillar Handbook (2022). ADOT uses this format and cost estimate on ADOT contracts.

Material volumes and surface areas have been calculated using the topographic base maps provided and plan projection of outlined areas. The final pit slopes shall be 3:1 or flatter. Final reclamation will consist of scarifying all compacted traffic areas other than the access roads which will remain. Fuel will be stored on site in an approved double-wall storage tank.

Administrative costs were based on industry-standardized contingency, professional fees to annually inspect and report, as well as indirect costs, contractor profit, and contract administration costs.

Reclamation Cost Estimate Summary

Estimated costs developed for this Reclamation Plan are summarized below. The processing area is currently in the excavation area and may be moved to maintain proximity to the working face of the quarry. Detailed breakdown for each reclamation activity follows. Total Area is 150.7 ac.; Pit area is 136.4 ac. Road & parking is 14.3 ac.

Since 1.8 ac. of road will remain, the final reclamation area will be 150.7 ac. – 1.8 ac. = 148.9 ac.

Reclamation Activity	Units	Cost per Unit	Costs (\$)	Task
Direct Costs				
Scarify pit area	136.4 acres	63.55	8,668.22	Task 1
Levelling & regrading – place berm	1,100 CY	2.44	2,678.94	Task 2
Scarify & regrade road & parking	12.5 acres	63.55	794.38	Task 1
Trash Disposal	1 ton	590.79	590.79	Task 3
Subtotal			12,732.33	
Administrative Costs				
Administrative Contingency		10%	1,273.23	
Site Monitor & Report	1 year	2,400	2,400.00	P.E. quote
Indirect Costs		2%	254.65	
Contractor Profit		10%	1,273.23	
Contract Administration		10%	1,273.23	
Subtotal			6,474.34	
Total			19,206.67	

Task 1 - Equipment Watch - Rate for D5 Dozer

DATE: 8/15/2024

TASK: Ripping/scarifying compacted surfaces – 51148.9 acres at 4 acres per hour

UNITS: acres

QUANT 148.9 acres	5 days (37 hours)	TOTAL
D5 dozer 160-189 hp	\$1,035/day	\$5,175
Ripper	\$39/day	\$195
Estimated oper. Costs – D5	\$61.26/hr.	\$2,266.62
Estimated oper. Costs – Ripper	\$2.42/hr.	\$89.54
Total O & O cost		\$7,726.16
Transport To & From jobsite		
Total: NW Arizona local	\$500 ea. way	\$1,000

Labor from Davis Bacon rates - recent ADOT job

37 hrs.	Base rate	\$17.26 per hour	\$638.62
37 hrs.	Fringes	\$2.65 per hour	\$98.05
0 hrs.	No O/T expected		
Labor Total			\$736.67

Duration	5 days
Task Total	\$9,462.83

Price per acre for total	148.9 acres	\$63.55
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Rental Rate Blue Book®

June 13, 2024

**Caterpillar D5
Standard Crawler Dozers**

Size Class:
180 - 189 hp
Weight:
N/A



Configuration for D5

Dozer Type	VPAT	Horsepower	170.0 hp
Operator Protection	IROPS	Power Mode	Diesel

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$14,795.00	USD \$4,145.00	USD \$1,036.00	USD \$155.00	USD \$61.26	USD \$145.32
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2024: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
Total:	USD \$14,795.00	USD \$4,145.00	USD \$1,036.00	USD \$155.00	USD \$61.26	USD \$145.32

Non-Active Use Rates

	Hourly
Standby Rate	USD \$44.55
Idling Rate	USD \$108.28

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	30%	USD \$4,438.50/mo
Overhaul (ownership)	47%	USD \$6,953.65/mo
CFC (ownership)	13%	USD \$1,923.35/mo
Indirect (ownership)	10%	USD \$1,479.50/mo
Fuel (operating) @ USD 4.03	39.56%	USD \$24.23/hr

Revised Date: 2nd quarter 2024

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book® Print. Visit the Cost Recovery Product Guide on our Help page for more information.

Rental Rate Blue Book®
Miscellaneous MSR-84H
 Crawler Tractor Multi-Shank Rippers

 Size Class:
 To 200 hp
 Weight:
 1044 lbs

Configuration for MSR-84H

Horsepower	84.0 hp	Number Of Shanks	3.0
Ripper Type	Radial	Power Mode	Hydraulic

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$560.00	USD \$155.00	USD \$39.00	USD \$6.00	USD \$2.42	USD \$5.60
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2024: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$560.00	USD \$155.00	USD \$39.00	USD \$6.00	USD \$2.42	USD \$5.80

Non-Active Use Rates

	Hourly
Standby Rate	USD \$7.32
Idling Rate	USD \$3.18

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	51%	USD \$285.60/mo
Overhaul (ownership)	27%	USD \$151.20/mo
CFC (ownership)	10%	USD \$56.00/mo
Indirect (ownership)	12%	USD \$67.20/mo

Fuel cost data is not available for these rates.

Revised Date: 2nd quarter 2024

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Task 2 - Equipment Watch – Loader & Dump truck

DATE: 8/17/2024

TASK: Miscellaneous regrading – 224 hp Loader with 1 dump truck

UNITS: cubic yards

QUANT	1,100 CY	1 day	TOTAL
Loader		\$71/hour	\$568
Estimated operating costs		\$42.51/hr.	\$340.08
Dump truck		\$20/hour	\$160
Estimated operating costs		\$27.64/hour	\$221.12
Total O & O cost			\$1,289.20

Transport Loader To & From jobsite

Total	NW Arizona local	\$500 ea. way	\$1,000
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Labor from Davis Bacon rates - recent ADOT job

8	hrs.	Base rate	\$20.91 per hour	\$ 167.28
8	hrs.	Fringes	\$7.35 per hour	\$ 58.80
8	hrs.	Base rate	\$16.17 per hour	\$ 129.36
8	hrs.	Fringes	\$4.24 per hour	\$ 33.92
0	hrs.	No O/T expected		
Labor Total				\$389.36

Duration	1 day
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Task Total	\$ 2,678.56
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Price per cubic yard for total	1,100 CY	\$2.44
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Rental Rate Blue Book®

July 24, 2024

Caterpillar 966F (disc. 2003)
 2-Wd Articulated Wheel Loaders

 Size Class:
 200 - 224 hp
 Weight:
 43925 lbs

Configuration for 966F (disc. 2003)

Horsepower	220.0 hp	Operator Protection	EROPS
Power Mode	Diesel		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$6,690.00	USD \$1,875.00	USD \$470.00	USD \$71.00	USD \$42.51	USD \$80.52
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2003: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
Total:	USD \$6,690.00	USD \$1,875.00	USD \$470.00	USD \$71.00	USD \$42.51	USD \$80.52

Non-Active Use Rates

	Hourly
Standby Rate	USD \$26.23
Idling Rate	USD \$52.61

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	40%	USD \$2,676.00/mo
Overhaul (ownership)	31%	USD \$2,073.90/mo
CFC (ownership)	18%	USD \$1,204.20/mo
Indirect (ownership)	11%	USD \$735.90/mo
Fuel (operating) @ USD 3.66	34.34%	USD \$14.60/hr

Revised Date: 3rd quarter 2024

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book® Print. Visit the Cost Recovery Product Guide on our Help page for more information.

Rental Rate Blue Book®

July 25, 2024

Miscellaneous 4X2 4YD DSL
 On-Highway Rear Dumps

 Size Class:
 19,501 - 26,000 lbs
 Weight:
 7565 lbs

Configuration for 4X2 4YD DSL

Axle Configuration	4X2	Horsepower	200.0
Maximum Gross Vehicle Weight	20000.0 lbs	Power Mode	Diesel
Struck Capacity	2.0 - 4.0 cu yd		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly USD \$27.64	FHWA Rate** Hourly USD \$38.55
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$1,920.00	USD \$540.00	USD \$135.00	USD \$20.00		
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2024: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$1,920.00	USD \$540.00	USD \$135.00	USD \$20.00	USD \$27.64	USD \$38.55

Non-Active Use Rates

	Hourly
Standby Rate	USD \$7.85
Idling Rate	USD \$31.39

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	50%	USD \$960.00/mo
Overhaul (ownership)	28%	USD \$537.60/mo
CFC (ownership)	11%	USD \$211.20/mo
Indirect (ownership)	11%	USD \$211.20/mo
Fuel (operating) @ USD 3.66	74.1%	USD \$20.48/hr

Revised Date: 3rd quarter 2024

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Task 3 - Equipment Watch - Rate for pick-up Truck with Trailer

DATE: 8/15/2024

TASK: Miscellaneous Trash Removal – 1 pickup truck with trailer

UNITS: load

QUANT	1 load	0.5 days (4 hours)	TOTAL
Truck		\$14/hour	\$196
Estimated operating costs		\$25.83/hr	\$103.32
Trailer		\$34/hour	\$136
Estimated operating costs		\$7.52/hour	\$30.08
Total O & O cost			\$465.40

Labor from Davis Bacon rates - recent ADOT job

4	hrs.	Base rate	\$17.26 per hour	\$ 69.04
4	hrs.	Fringes	\$2.65 per hour	\$ 10.60
0	hrs.	No O/T expected		
Labor Total				\$79.64

Trash disposal fee (Flagstaff landfill): 1 load **\$45.75**

Duration 0.5 days
Task Total **\$ 590.79**

Price per acre for total 1 load \$ 590.79

Rental Rate Blue Book®
Chevrolet 1500 4X2 GAS (disc. 1998)
 Light Duty Trucks

 Size Class:
 2
 Weight:
 N/A

Configuration for 1500 4X2 GAS (disc. 1998)

Power Mode	Gasoline	Wheelbase	117.5 inches
Gross Vehicle Weight Rating	6100 Pounds		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly USD \$25.83	FHWA Rate** Hourly USD \$33.27
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$1,310.00	USD \$365.00	USD \$91.00	USD \$14.00		
Adjustments						
Region (100%)	-	-	-	-		
Model Year (1998: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
Total:	USD \$1,310.00	USD \$365.00	USD \$91.00	USD \$14.00	USD \$25.83	USD \$33.27

Non-Active Use Rates

	Hourly
Standby Rate	USD \$4.09
Idling Rate	USD \$25.94

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	23%	USD \$301.30/mo
Overhaul (ownership)	45%	USD \$589.50/mo
CFC (ownership)	16%	USD \$196.50/mo
Indirect (ownership)	17%	USD \$222.70/mo
Fuel (operating) @ USD 3.45	71.62%	USD \$18.50/hr

Revised Date: 2nd quarter 2024

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www.equipmentwatch.com

All prices shown in US dollars (\$)

Rental Rate Blue Book®

June 21, 2024

Miscellaneous 2 AXLE 4 TIRE 20'
Lowboy Trailers

Size Class:
All
Weight:
N/A



Configuration for 2 AXLE 4 TIRE 20'

Power Mode: Manual

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$3,200.00	USD \$895.00	USD \$225.00	USD \$34.00	USD \$7.52	USD \$25.70
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2024: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
Total:	USD \$3,200.00	USD \$895.00	USD \$225.00	USD \$34.00	USD \$7.52	USD \$25.70

Non-Active Use Rates

	Hourly
Standby Rate	USD \$13.27
Idling Rate	USD \$18.18

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	47%	USD \$1,504.00/mo
Overhaul (ownership)	27%	USD \$864.00/mo
CFC (ownership)	15%	USD \$480.00/mo
Indirect (ownership)	11%	USD \$352.00/mo

Fuel cost data is not available for these rates.

Revised Date: 2nd quarter 2024

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- Proof of 90-gallon trash service is not provided
- Load contains construction materials, wood waste, landscaping debris, or inert material (rock, concrete, dirt, etc.)
- Load exceeds the 1 ton limit
- Load originates from anywhere other than residents home (e.g. contract work)

Type	Cost
Residential solid waste, less than 1 ton	Free with proof of trash service (\$20 otherwise)
Residential solid waste, greater than 1 ton	\$45.75 per ton
Construction and demolition, less than 1 ton	\$20 per pickup truck load, additional \$20 per trailer
Construction and demolition, greater than 1 ton	\$45.75 per ton
Green Waste (tree limbs, logs/stumps and Christmas trees)	Free Note: Pine needles and leaves are not Green Waste
Appliances ¹	Free with proof of trash service (\$8.74 otherwise)
Freon appliances (includes Freon evacuation fee) ^{2,3}	Free with proof of trash service (\$28.15 otherwise)
Free-standing copier machines	See Hazardous Products Center
Unsecured load charge (not tarped/tied down)	\$20 in addition to any other charges
¹ i.e. washers, dryers, water heaters, and refrigeration units already evacuated.	
² Units containing less than 5 pounds of refrigerant. Units must be free and clear of debris / food and taped / tied shut where applicable.	
³ If you have a unit evacuated elsewhere (not at the Landfill), you must submit an Appliance disposal form (PDF) for the Freon evacuation fee of \$19.41 to be waived. Per unit appliance fee of \$8.74 still applies.	

The rate used is for 1 ton of waste with no tires or other special items. \$45.75

Please see line 4 above. Construction & demolition. Quantity is one ton. Could be \$40, see line 2