

Lhoist North America Mathis Lime Plant Grant County, New Mexico

Lime Plant Reclamation Plan

Initial Submittal, April 2020

Revised, August 2020

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SECTION 1 MILL SITE RECLAMATION PLAN

Lhoist North America (LNA) owns the Mathis Quarry (Facility), a limestone quarry and lime manufacturing operation (mill site), located near Hanover, NM. The Facility operates pursuant to Permit No. GR030ME (Permit) issued by the Mining and Minerals Division (MMD) of the New Mexico Energy, Minerals and Natural Resources Department (EMNRD). LNA maintains a lease with the U.S Department of Agriculture – Forest Service (USFS) which includes access to the mining rights for continued operation of the Facility within the Gila National Forest.

As required by both MMD (letter dated March 2, 2020) and USFS (letter dated March 5, 2020), LNA has prepared the following reclamation plan for the Facility mill site, Claim No. 86551.

1.1 Objectives

LNA's reclamation objective for the Facility mill site is to reclaim all disturbed areas of the plant (See Figure 3 in Appendix A) to a condition as good as or better than the pre-mining surface. The reclaimed areas will be a self-sustaining ecosystem blending with the undisturbed ecosystem surrounding the operation over time.

All reclaimed areas will be stable and exhibit none of the following characteristics:

- Large rills or gullies (greater than 3 inches wide or deep);
- Perceptible soil movement or head cutting in any drainages; and,
- Slope instability on or adjacent to the reclaimed area.

1.2 Visual Resource Standards

The reclaimed landscape will approximate the visual quality of adjacent and surrounding areas regarding surface contour, drainage patterns, vegetation, and visual texture. All facilities, infrastructure, equipment and resources, and general debris associated with the operation will be removed from the mill site. Disturbed surfaces and access roads will be restored to as nearnatural contours as feasible according to this reclamation plan. All disturbed areas to be reclaimed are identified in Figure 3 of Appendix A. All identified disturbed areas will be revegetated using plant species appropriate to the site (Table 1-2).

1.3 Reclamation Bond

As Part of the MMD Mining Permit and the USFS Lease Agreement, a Financial Assurance (FA) estimate from the mine operator is required. This estimate is based on the cost of reclaiming the site by a third party. The FA bond will be placed jointly in the name of the State of New Mexico EMNRD-MMD and the USFS. Applicable bonding methods include a Surety Bond, CD, or cash

account. MMD requires a minimum 12-year period after reclamation for withholding release of the FA for third-party re-vegetation costs.

A reclamation bond estimate is provided in Appendix B. The estimate is for a reclamation area of approximately 16.3 acres, which is the approximate acreage of the mill site and surrounding disturbed areas. LNA has prepared the reclamation bond estimate using the Nevada Standardized Reclamation Cost Estimator, Version 1.4.1 (SRCE). The updated SRCE increases the FA estimate from an existing value of \$40,243 to a proposed value of \$612,293. This includes an approximate value of \$223,000 to remove trash, debris, temporary structures, etc. from the mill site (note this value is listed in the cost estimation sheet under Section D – Other User Costs, with the remaining portion found within the Indirect Costs).

1.4 Reclamation Sequence

1.4.1 Initial Reclamation

LNA previously completed partial reclamation of the mill site by removing the majority of the lime manufacturing equipment, including, but not limited to: crusher, lime kiln, conveying equipment, fuel tanks, etc. Additional site work is still needed before any earth work and revegetation efforts can be made. This will be the focus of the remainder of this reclamation effort.

1.4.2 Ongoing Reclamation

With lime manufacturing no longer occurring at the Facility, LNA plans to remove the remaining structures and mining debris that remains at the mill site. This includes the demolition and removal of the temporary office trailer, demolition and removal of scale house, removal of debris piles (e.g. kiln brick, scrap metal, tires, etc.), removal of drums and associated liquids, etc. For those structures that contain components suitable for reclamation efforts (e.g. concrete foundations, limestone fines, lime spoils pile, etc.), LNA plans to excavate the soil to at least 6 inches below the existing grade. If necessary, the structure will be removed from the foundation at this level, and any remaining concrete will be buried in place under a minimum 2 foot cover and following the procedures of this reclamation plan. Any slabs of concrete and lime spoils will be broken into manageable pieces and hauled to the mine site to be used as backfill material.

With all structures and debris removed from the mill site, reclamation of disturbed areas within the mill site will occur as follows:

- Surface Re-Contouring and Seedbed Preparation
 - Backfill of excavated areas with stockpiled subsurface overburden materials
 - o Rip areas of compacted soils and limestone fines
 - o Contouring of reclaimed subsurface to 3H:1V or flatter
 - o Even placement of stockpiled topsoil over area to be reclaimed
 - o Harrowing of final topsoil grade for seedbed preparation
- Seeding and Mulching

- Seed application by broadcast seeding
- o Application of mulch

Monitoring

- o Determination of Vegetation Reference Area
- o Inspection of reclaimed areas to determine success of revegetation efforts
- Invasive/Noxious Species Control until release of bond

Table 1-1: Mill Site Reclamation Progress Plan

Phase	Approx. Acres	Pre 2020	Q3 2020	Q4 2020	Q1 2021	Q2 2021	Q3 2021	Q4 2021	Post 2021
Removal of lime manufacturing equipment (e.g. crusher, lime kiln, conveyors, etc.)	0.2	С			FH				
Removal of remaining structures, debris, etc.	0.2		P	P					
Earthwork, (backfill, rip compacted soils, contour, etc.)	16.3				P	Р			
Application of seed and mulch	16.3					P	P		
Continued inspections (invasive species, monitoring of vegetation, erosion controls, etc.)	16.3						P	P	P

C = Phase completed

Final reclamation for the mill site will include final grading, soil preparation, seeding, mulching, and erosion control of the areas identified within the mill site. Earthen berms will be created at access roads leading to the reclaimed areas to prevent vehicle traffic from entering.

The Permit requires at least 30 days notice prior to the commencement of reclamation activities approved in this Reclamation Plan.

1.5 Reclamation Activities

1.5.1 Surface Re-contouring

Existing facilities and structures will be demolished and removed from the mill site. Existing foundations below the surface level will be broken up and buried in place with a minimum 2 foot cover. Existing material piles with reclamation properties (e.g. limestone fines, lime spoils, etc.) will be utilized within the Facility. Excavated areas will be backfilled with stockpiled subsurface materials only; topsoil will not be placed as backfill. Subsurface soils will then be contoured (graded) to match original slopes as closely as practicable, with no slopes exceeding 3H:1V. The final contour will ensure positive drainage from the Facility and will ensure there is no substantial ponding of stormwater within the reclaimed area.

1.5.2 Seedbed Preparation

Areas of compacted subsoils and limestone fines will be ripped to a depth of 12 inches, followed by disking to a depth of 6 inches before placement of topsoil. The topsoil layer

P = Proposed timeframe for completion of phase

at the mill site is relatively thin and stockpiled quantities are limited; therefore, approximately 4 inches of stockpiled topsoil will be placed evenly over the re-graded subsurface soils. Please note that LNA may choose to conduct limited studies measuring the depth of the existing topsoil within undisturbed areas of the Facility. Results of these studies, if conducted, will be shared with MMD. Once top soil is placed, the surface will then be tine- or chain-harrowed to break up any soil clumps, smooth the surface grade, and prepare the soil for seeding.

No soil amendments or fertilizers will be applied to reclamation areas. The MMD does not support the use of chemical fertilizers in reclaimed areas, as they generally promote the growth of weedy annual species that may suppress the establishment of native perennial species.

1.5.3 Seeding

Seed will be sowed across the mill site reclamation areas using broadcast seeding methods. Hydroseeding is not recommended for native seed due to poor seed-soil contact percentage and the tendency of the seed to self-sort by weight and size; therefore, resulting in uneven distribution during application. The seed will be applied using a "cyclone" hand seeder or similar broadcast seeder. Seed will then be raked-in so that it is planted approximately one-half inch below the surface. The recommended seed mix and seeding rate is provided in Table 1-2.

Table 1-2: Reclamation Seed Mix and Application Rate

Botanical Name	Common Name	Grass/Shrub/Forb	PLS Rate (Pounds Per Acre)	PLS Rate (PLS/ft²)
Hilaria berlangeri	Curly Mesquitegrass	Grass	2	0.76
Aristida purpurea	Purple Threeawn	Grass	4	1.41
Baileya multiradiata	Desert Marigold	Forb	1	1.49
Bouteloua curtipendula	Sideoats Grama	Grass	8	2.15
Leptochloa Dubis	Green Sprangletop	Grass	4	3.03
Bouteloua gracilis	Blue Grama	Grass	5	5.81
Sphaeralcea ambigua	Desert Globemallow	Shrub	1	0.70
Sporobolus cryptandrus	Sand Dropseed	Grass	3	23.66
Poa Pratensis	Kentucky Bluegrass	Grass	3	5.92
Festuca arundinacea	Tall Fescue	Grass	10	3.52
Ambrosia artemisiifolia	Common Ragweed	Forb	2	0.15
Gaillardia pulchella	Indian Blanket	Forb	2.5	0.46
Atriplex canescens	Four Wing Saltbush	Shrub	15	1.55
	Total Rate		60.5	50.6

Any seed mixture used in reclamation or erosion control activities will be certified weedfree, with no primary or secondary noxious weeds in the seed mixture. Documentation from each type of seed will be retained and made available to the USFS staff for inspection during seeding activities. Seeding will be repeated if a satisfactory stand has not established as determined by the USFS's authorized officer following evaluation after the second growing season, or as determined by the MMD representative for release of the FA bond.

1.5.4 Mulching

The addition of mulch benefits the seeding effort by reducing evaporation of soil moisture, reducing wind desiccation, limiting soil erosion, insulating the surface from temperature extremes, and increasing the infiltration rate of precipitation by protecting the soil surface from surface sealing. It may further aid revegetation by trapping windblown seeds and soil.

Straw mulch will be applied by hand broadcasting or blowing to a uniform depth of approximately 2 to 3 inches, at a minimum rate of 2 tons per acre. When applied properly, approximately 20 to 40 percent of the original ground surface can be seen. Only certified weed-free straw will be used for mulching.

1.5.5 Reclamation Protection

During and following all reclamation activities, LNA will monitor and protect the landscape to help ensure reclamation is successful. Earthen berms will be created at access roads leading to the reclaimed areas to prevent vehicle traffic from entering. Success of reclamation activities will be evaluated during routine inspections as required by Section 9.D of the Permit.

1.6 Final Reclamation of Haul Roads

LNA has identified roads within and near the mill site that are no longer needed and will prepare them for final reclamation. These are identified in Figure 3 of Appendix A. Haul roads will be ripped to a minimum depth of 12 inches. After ripping, water bars will be installed using natural materials. The haul road alignments will then be harrowed using a tine- or chain-harrow to break up any soil clumps, smooth the surface grade, and prepare the soil for seeding.

Seed and mulch will be applied as directed for Reclamation Activities (see Sections 1.5.3, Seeding and 1.5.4 Mulching).

Following seeding and mulching of the haul roads, an earthen barricade will be constructed from the main haul road to deter future vehicle access to the reclaimed mill site.

Invasive and noxious species control requirements as described below will be applicable to reclamation of all haul roads in addition to all reclaimed mining areas.

1.7 Invasive/Noxious Species Control

The USFS has implemented guidelines for the management of invasive species, including the development of weed management plans. One objective of these programs is to detect invasive plant species populations, prevent the spread of new invasive populations, manage existing populations using the tools of integrated weed management, and eradicate invasive populations using the safest environmental methods available. Preventing the introduction of noxious weeds into an area is the most effective and economical means of weed control and management.

A list of invasive, non-native plant species of concern and the New Mexico Noxious Weed List are provided in Appendix C.

LNA will take all reasonable precautions to prevent the introduction, establishment, and spread of noxious weeds on lands covered by this project and on adjacent lands. Noxious weed treatment and control will be done as necessary to promote revegetation with native plants and prevent the spread of noxious weeds. Prevention methods will be implemented during and after reclamation activities of the mill site to reduce the spread of noxious weeds or the invasion of disturbed areas by undesirable plant species. These prevention methods include:

- Removing mud, dirt, and plant parts from off-road equipment used at other projects before moving them into the mill site
- Using defined and established travel routes to minimize soil disturbance
- Using weed-free seed and mulch to protect establishing vegetation

The mine operator will be responsible for weed identification and control on disturbed and reclaimed areas within the limits of the mill site and associated roads. The mine operator is responsible for consultation with the USFS and/or local authorities for acceptable weed control methods. During reclamation activities, any noxious or invasive species observed within the mill site area will be treated in a manner consistent with the USFS standards.

Use of pesticides and herbicides will comply with applicable federal/state laws. Prior to the use of pesticides or herbicides, the mine operator will obtain from the USFS written approval of a plan showing the type and quantity of material to be used, pest(s) to be controlled, method of application, location of storage and disposal of containers, and any other information deemed necessary. Emergency use of pesticides or herbicides will be approved in writing by the USFS prior to use.

1.8 Revegetation Monitoring

Revegetation monitoring will occur throughput the bonding period.

1.8.1 Vegetation Reference Area

The Vegetation Reference Area will be used as a standard of comparison for determining revegetation success for perennial vegetation cover. The Vegetation Reference Area is identified in Figure 3 of Appendix A and consists of a 1-acre area that has not been

disturbed during operations. It is located immediately south east of the mill site and contains established native vegetation cover equivalent to the undisturbed areas of the mill site. Upon final approval of the location by the MMD, the Vegetation Reference Area will be staked to designate the area. The quantification of vegetation in this area will be provided under a separate cover.

1.8.2 Methodology and Success Criteria

Reclamation revegetation monitoring will be completed using the Line Interception methodology for cover. Data gathered from the Vegetation Reference Area will constitute the basis of performance standards for determining reclamation success. Revegetation monitoring locations, methods, and success criteria will be approved by the MMD prior to monitoring commencement.

1.8.2.1 Line Interception (Overall Vegetation)

Vegetation cover monitoring will be conducted by Line Interception, a vegetation monitoring technique used to determine the vegetative cover in sparse, low-growing vegetation. The data obtained from Line Interception within an area of ongoing reclamation will be compared to vegetative cover in a pre-designated reference area (the Vegetation Reference Area).

Line Interception consists of determining the percent cover by summing the relative lengths of a transect that is covered, including vegetation, litter, rock, and bare ground. Transects will be randomly placed within the reclamation area and are expected to be 10 to 100m in length. Points along each transect may be located randomly or systematically at one or half-meter intervals. Total vegetation cover is determined by the first interception or hit (i.e., vegetation, rock, litter, etc.). Each transect with a minimum of 50 sample points is counted as one sampling unit. A minimum of 15 transects will be included within the reclamation area.

1.8.2.2 Success Criteria

Revegetation success criteria is based on professional judgment of reasonable expectations for revegetation on the southern edge of the Gila National Forest over the course of a 12-year FA bonding period. An inspection of the reclaimed areas will be conducted on an annual basis and will include vegetative cover and monitoring of erosional features. Success criteria may be revised by the USFS or the MMD based on agency-specific requirements.

Vegetation cover at the mill site will be considered successfully attained if the native vegetative species in the reclamation area equals at least 75% percent of the vegetation cover in the Vegetation Reference Area and invasive species percent cover does not exceed that of the Vegetation Reference Area.

Shrub cover/density per acre will be considered successfully attained if the reclaimed area shrub density per acre equals at least 35 percent of the shrub density of the Vegetation Reference Area.

1.8.3 Bond Release

Once the FA bond period is attained and the vegetative success criteria standards are met, LNA will prepare and submit a letter requesting the BLM and MMD release LNA from financial responsibility for the mining area. MMD requires a minimum 12-year period after reclamation for withholding release of FA for third-party revegetation costs.

1.9 Other Regulatory Requirements

LNA has evaluated the need to obtain alternative permit coverage during reclamation activities. Each of these are addressed further below.

1.9.1 Air Permit

LNA has addressed the need to aquire an air quality permit prior to starting reclamation activities. LNA has determined that the potential emission rates from the reclamation activities described in this Plan are below the threshold values for which an air permit is required (10 pounds per hour or 25 tons per year of any regulated air contaminant), as well as a Notice of Intent (10 tons per year of any regulated air contaminant or 1 ton per year of lead). LNA will apply appropriate dust control measures to ensure fugitive emissions are minimized during reclamation activities.

1.9.2 Stormwater Discharge Permit

LNA has reviewed the need to aquire a stormwater discharge permit prior to starting reclamation activities at the Facility. LNA will submit a Notice of Intent (NOI) to apply for stormwater coverage through the National Pollutant Discharge Elimination System (NPDES) prior to starting this work.

SECTION 2 MINE SITE RECLAMATION PLAN

Section 1 of this Reclamation Plan addresses the recalamtion activities that are expected to occur at the Facility Mill Site. Section 1 does not address reclamation activities that are expected to occur at the Facility mining operations shown in Figure 4. These are briefly described within Section 2 of this document.

2.1 Facilty Mining Operations

LNA anticipates that a separate reclamation plan, or a revision to this Plan, will need to be made in order to address reclamation within the mining operations. LNA believes that many of the same recalamtion practices described within this Plan will also be applicable to the mining operations.

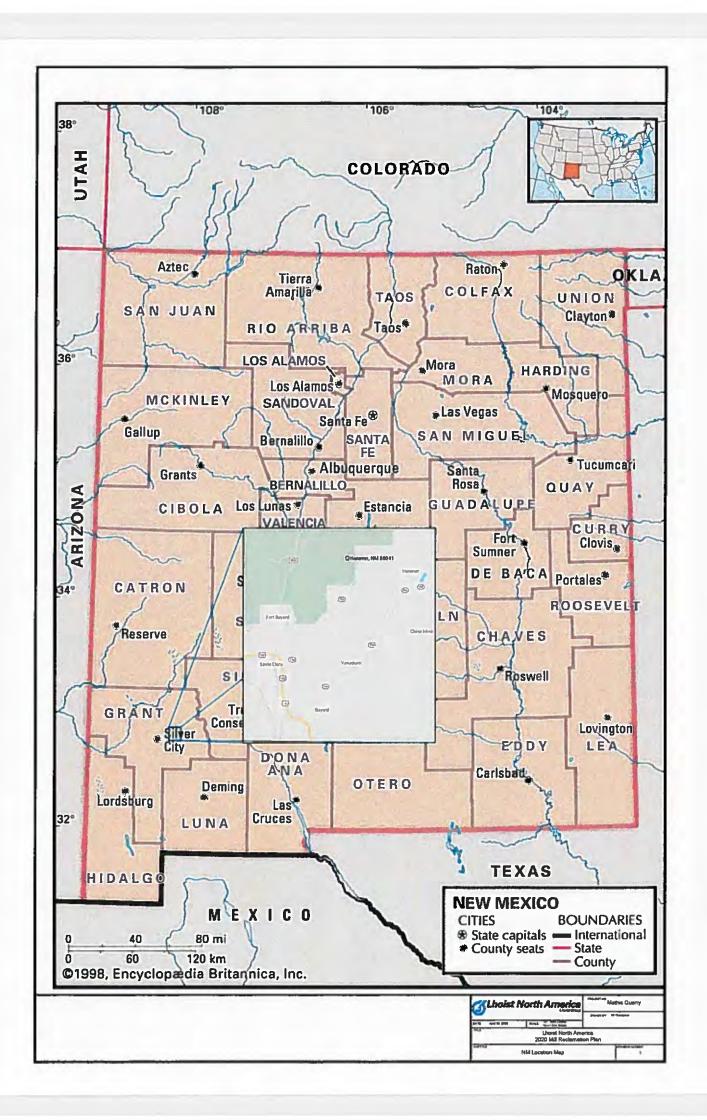
According to the September 1996 Plan of Operations, the mining operations located within the Facility have different properties and different uses. Figure 5 shows a closeup image of the identified quarries within the Facility. The table below provides a characterization of each pit and the previously determined expectations for reclamation.

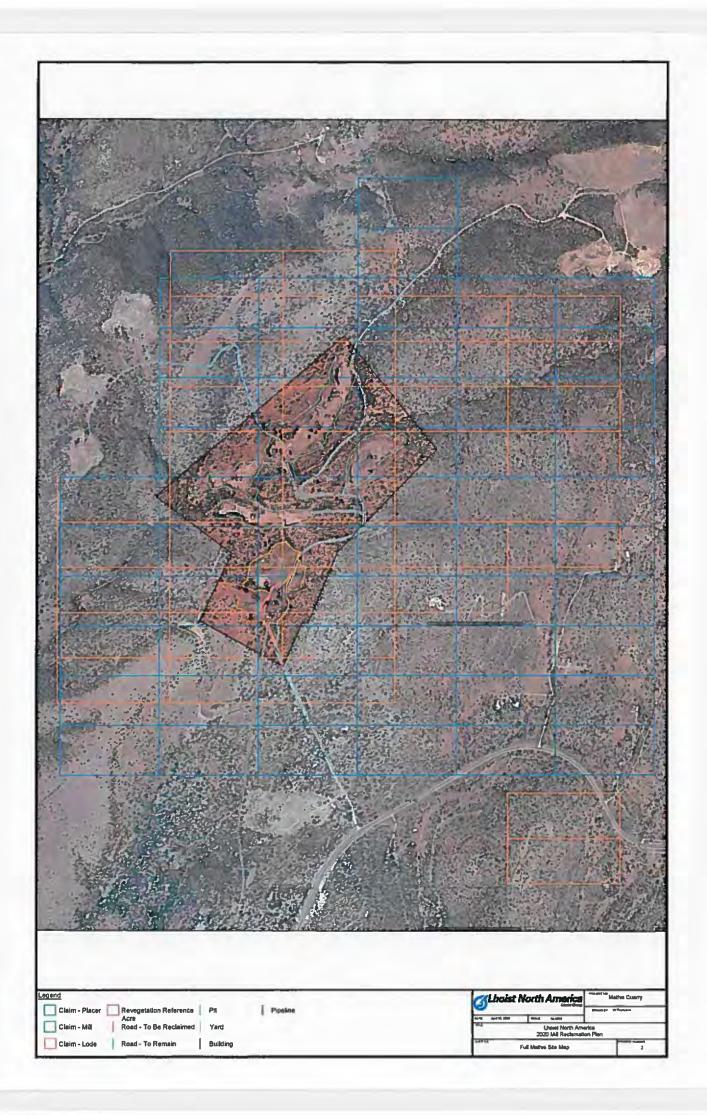
Table 2-1: Quarry Areas

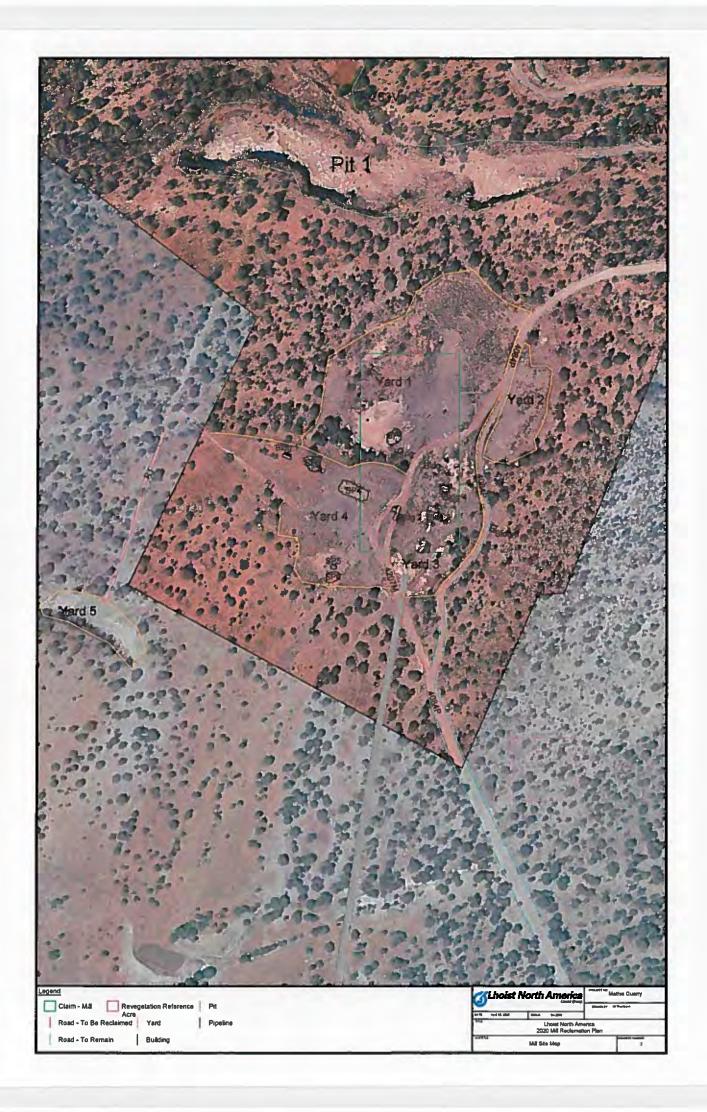
Quarry ID	Material Type	Reclamation Required	Comments
LP1	Limestone	No	To be left for use by USFS
LP2	Limestone	No	To be left for use by USFS
LP3	Limestone	Yes	
LP4	Limestone	Yes	
LP5	Limestone	Yes	
LP6	Limestone	No	To be left for use by USFS
LP7	Limestone	No	To be left for use by USFS

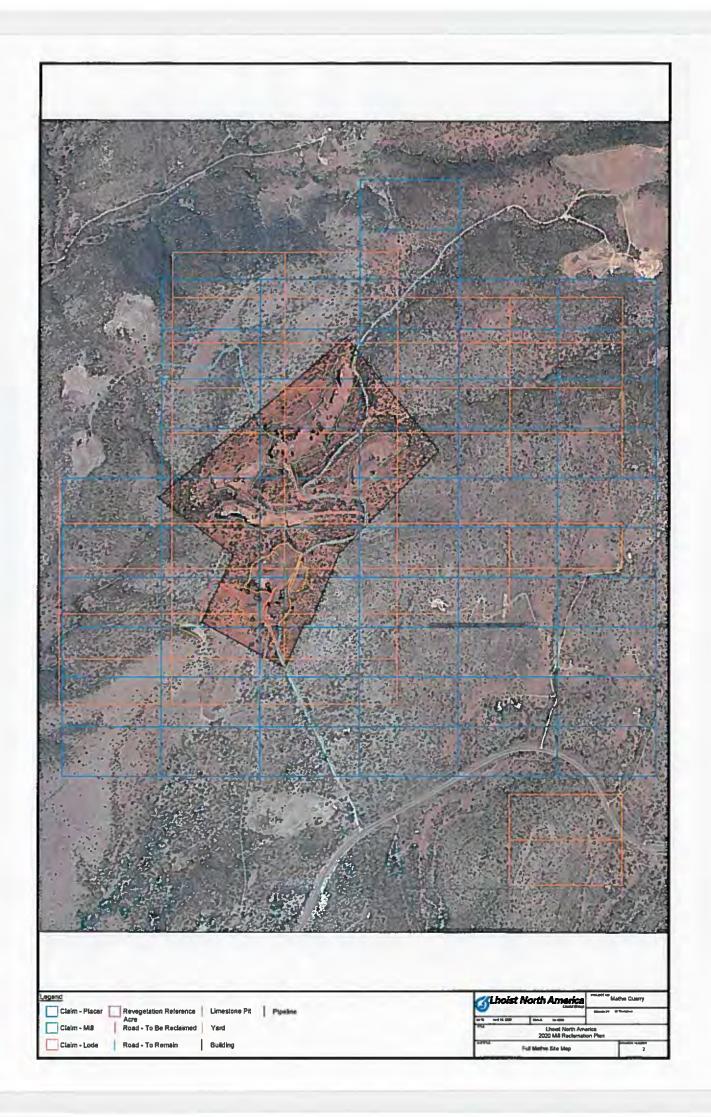
LNA proposes that reclamation of the mining operations would begin in 2022 and would apply to the applicable quarries listed above.

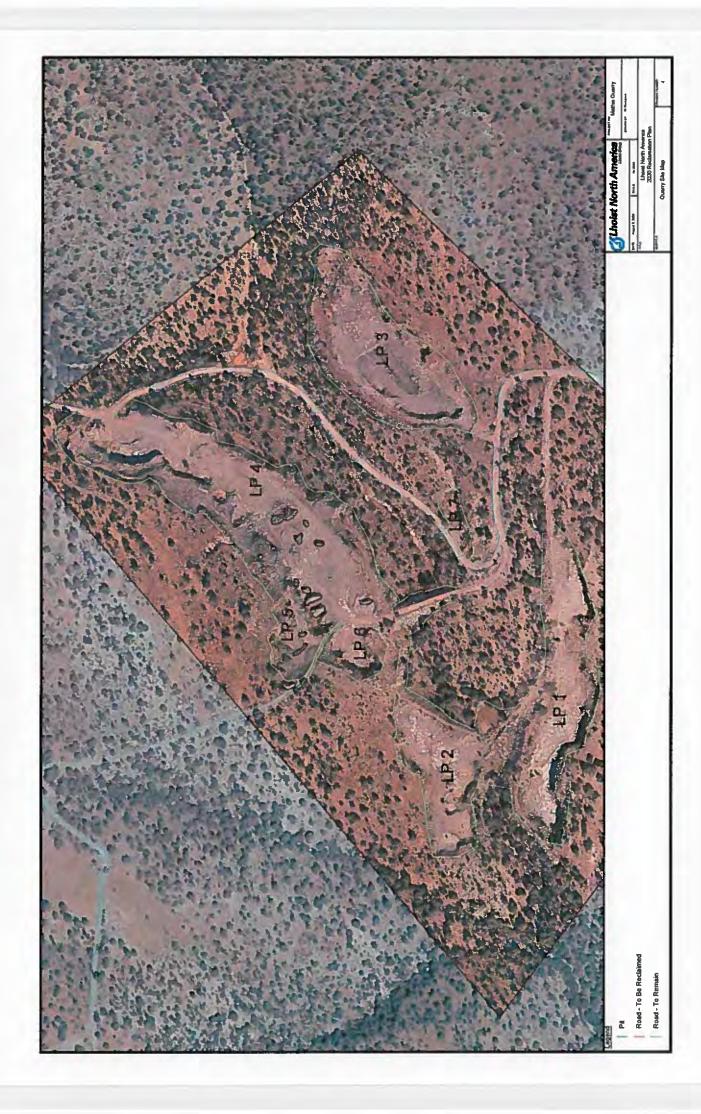
APPENDIX A FACILITY MAPS











APPENDIX B RECLAMATION COST ESTIMATE

Closure Cost Estimate Property Information

Enter Data Below in Green and Blue Spaces

STANDARDIZED RECLAMATION COST ESTIMATOR

Version 1.4.1 Build 017b (Revised 16 May 2019)

Approved for use in Nevada, August 1, 2012

File Name:	200423_LNA_MathisSRCE_Versio	n_1_4_1_017_NVb.xlsm	
Cost Data File:	SRCE_Cost_Data_File_1_12_Std_	2019.xlsm	
Cost Data Date:	August 1, 2019		
Cost Data Basis:	User Data	Data Cost Units: Imperial	
Author/Source:	Nevada Division of Environmental I	Protection (NDEP) & NV BLM	
PROJECT INFORMATION			67
Property/Mine Name:	Lhoist North America of AZ Inc	Property Code:	
Project Name:	Mathis Quarry		
Date of Submittal;	April 30, 2020	Average Altitude: 6500 ft.	
Select One:	Notice or Sm Exploration Plan	C Lg Exploration Plan	
Select One:	Private Land Public or Public	c/Private	
Cost Estimate Type:	Surety		
Cost Basis Category:	Northern Nevada	•	
Cost Basis Description:	Churchill, Douglas, Elko, Eureka, Humboldt, Pine Counties	Lander, Lyon, Mineral, Pershing, Storey, Washoe, and White	

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Closure Cost Estimate Cost Summary

Project Name: Mathis Quarry
Project Date: April 30, 2020
Model Version: Version 1.4.1
File Name: 200423_LNA_MathisSRCE_Version_1_4_1_017_NVb.xlsm

. Earthwork/Recontouring	Labor (1)	Equipment (2)	Materials	Total
Exploration	\$0 \$0	\$0 \$0	SOI SOI	
Exploration Roads & Orll Pads Roads	\$758	\$1,912	\$0	\$2.
Well Abandonment	\$0	\$1,912	\$0	
Pits	\$0	\$0	N/A	
Quarries & Borrow Areas	\$0	\$0	\$0	
Underground Openings	\$0	\$0	\$0	
Process Ponds	\$0	\$0	\$0	
Heaps	\$0	\$0	\$0	
Waste Rock Dumps	\$0	\$0	\$0	
Landfills	\$0	\$0	\$0	
Tailings	\$0	\$0	SO SO	
Foundation & Buildings Areas	\$1,344	\$3,543	\$0	\$4
Yards, Etc.	\$6,107	\$15,249	\$0	\$21.
Drainage & Sediment Control	\$0	\$0	\$0	
Generic Material Hauling	\$2,058	\$5,061	\$0	\$7
Other User Costs (from Other User sheet)	\$0	\$0	\$0	
Other**				
ibtotal	\$10,265	\$25,765	\$0	\$36
Nob/Demob if included in Other User sheet	\$0	\$0	\$0	
Mob/Demob	460	\$14,307		\$14.
Subtotal "A"	\$10,265	\$40,072	\$0	\$50,
. Revegetation/Stabilization	Labor (1)	Equipment (2)	Materials	Total
: Revegeration Stabilization	Labor	Equipment ***	WALES REES	i Udi
xploration Roads & Dritt Pads	\$0	\$0	\$0	
Ceds	\$200	\$76	\$1,088	\$1
Vell Abandonment		9/0	2.1000	
its	\$0	\$0	\$0	7-1-2
luarries & Borrow Areas	\$0	\$0	\$0	
Inderground Openings				
rocess Ponds	\$0	\$0	\$0	
62DS	\$0	\$0	\$0	
Vaste Rock Dumps	\$0	\$0	\$0	
andfills	\$0	\$0	\$0	
ailings	\$0	\$0	\$0	
oundation & Buildings Areas	\$600	\$228	\$824	\$1
ards, Etc.	\$1,524	\$579	\$15,653	\$17
rzinage & Sediment Control	\$0	\$0	\$0	
eneric Material Hauling	\$300	\$114	\$312	
ther User Costs (from Other User sheet)	\$0	\$0	\$0	10-
ther**				
subtotal "B"	\$2,624	\$997	\$17,677	\$21
Detoxification/Water Treatment/Disposal of Wastes**	Labor (1)	Equipment (2)	Materials	Total
rocess Ponds/Sludge	Labor	Edothmair	_ ITIGOCI IGIO_	i Otal
eaps				
umps (Waste & Landfill)				
allings urplus Water Disposal	_	the second second		
				
onitoring				
iscellaneous olid Waste - On Site	\$0	\$0	N/A	
	30	30	IVA	
old Waste - Off Site azardous Materials	1			
ydrocarbon Contaminated Soils	\$0	\$0	\$0	
ther User Costs (from Other User sheet)	\$0	\$0	\$0	
ther*	- 30	30		
ubtotal "C"	\$0	\$0	\$0	\$
Structure, Equipment and Facility Removal, and Misc.	1 -1 - 1 1	E	Matadala	Total
	Labor (1)	Equipment (Z)	Materials	Total
oundation & Buildings Areas	\$49,442	\$8,759	\$0	\$5
ther Demolition	\$0	\$0	\$0	
quipment Removal	\$0	\$0	\$0	
ence Removal	\$0	\$0	40	
ence Installation	\$0	\$0	\$0	
ulvert Removal	\$0	\$0	N/A	
pe Removal	\$0	\$0	N/A	
owerline Removal	\$0			
ransformer Removal	\$0			
ip-rap, rock lining, gabions	\$0	\$0	\$0	
ther Misc. Costs	\$0	\$0	\$0	
ther User Costs (from Other User sheet)	\$0	\$0	\$155,688	\$150
iubtotal "D"	\$49,442	\$8,759	\$155,688	\$213,
	4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	7-,0		
	and the same are	48.		
Monitoring eclamation Monitoring and Maintenance	Labor (1) \$22,540	Equipment (2) \$2,963	Materials \$1,189	Total \$2

Ciosure Cost Estimate Cost Summary

Project Name: Mathis Quarry Project Date: April 30, 2020 Model Version: Version 1.4.1

File Name: 200423_LNA_Ma	ithisSRCE_Version_1	_4_1_017_NVb.XI	sm	
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$(
Subtotal "E"	\$22,540	\$2,963	\$1,189	\$26,692
F. Construction Management & Support	Labor	Equipment (2)	Materials	Total
Construction Management	\$18,000	\$3,054	N/A	\$19,05
Construction Support	\$0	\$432	\$0	\$43:
Road Maintenance	\$13,382	\$20,637	\$60,000	\$94,010
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$6
Other				\$0
Subtotal "F"	\$29,382	\$24,123	\$60,000	\$113,505
Subtotal Operational & Maintenance Costs	Labor (1)	Equipment (2)	Materials (3)	Total
Subtotal A through F	\$114,253	\$76,914	\$234,554	\$426,681

^{**} Other Operator supplied costs - additional documentation required.

Indirect Costs	77977 - 71	Include?	Total
Engineering, Design and Construction (ED&C) Plan (7)		Specialization and the second section in	\$34,134
2. Contingency (8)	·		\$42,668
3. Insurance (9)	\$1,714		\$1,714
4. Performance Bond (10)			\$12,800
5. Contractor Profit (11)			\$42,668
6. Contract Administration (12)			\$42,668
7. Government Indirect Cost (13)			\$8,960
Subtotal Add-On Costs			\$185,612
Total Indirect Costs as % of Direct Cost			44%
GRAND TOTAL			\$612,293

Administrative Cost Rates (%)					- Walter
	100000	Cost Ranges	for Indirect Cost	Percentages	
	CB CB	CE CE	CH CH	>	
Engineering, Design and Construction (ED&C) Plan (7)	\$1,000,000	\$25,000,000		\$25,000,000	Small Plan
Variable Rate	8%	6%		4%	0%
	<=	CH CH	¢2	>	
2. Contingency (8)	\$500,000	\$5,000,000	\$50,000,000	\$50,000,000	Small Plan
Variable Rate	10%	8%	6%	4%	0%
3, Insurance (9)		of labor costs			
4. Bond (10)	3.0%	of the O&M costs if O&A	A costs are >\$100,000		
5. Contractor Profit (11)	10%	of the Q&M costs			
	<=	ÇH _	<=	>	
Contract Administration (12)	\$1,000,000	\$25,000,000		\$25,000,000	
Variable Rate	10%	8%		6%	
Government Indirect Cost (13)	21%	of contract administratio	n		

RECLAMATION COST ESTIMATION SUMMARY SHEET FOOTNOTES

- Federal construction contracts require Davis-Bacon wage rates for contracts over \$2,000. Wage rate estimates may include base pay, payroll loading.
 The reclamation cost estimate must include the estimated plugging cost of at least one drill hole for each active drill rig in the project area. Where the

- Miscellaneous items should be itemized on accompanying worksheets.
 Fluid management should be calculated only when mineral processing activities are involved. Fluid management represents the costs of maintaining proper
 Handling of hazardous materials includes the cost of decontaminating, neutralizing, disposing, treating and/or isolating all hazardous materials used, produced,
 Any mitigation measures required in the Plan of Operations must be included in the reclamation cost estimate. Mitigation may include measures to avoid,

- Any mitigation measures required in the Plan of Operations must be included in the reclamation cost estimate. Mitigation may include measures to avoid,
 Engineering, design and construction (ED&C) plans are often necessary to provide details on the reclamation needed to contract for the required work. To
 A contingency cost is included in the reclamation cost estimation to cover unforeseen cost elements. Calculate the contingency cost as a percentage of the
 Insurance premiums are calculated at 1.5% of the total labor costs. Enter the premium amount if liability insurance is not included in the itemized unit costs.
 Federal construction contracts exceeding \$100,000 require both a performance and a payment bond (Miller Act, 40 USC 270et seq.) Each bond premium is
 For Federal construction contracts, use 10% of estimated Q&M cost for the contractor's profit.
 To estimate the contract administration cost, use 6 to 10% of the operational and maintenance (Q&M) cost. Calculate the contract administration cost as a
 Government indirect cost rate is 21% of the contract administration costs.

Closure Cost Estimate Other User

Project Name: Mathis Guarry - Reclamation Plan
Dian of Submittal: App. 2020
File Hams: 200422, UAA, MattieSRCE, Verston, 1, 4, 1, 917, INV. Lism
Model Verston: Verston 1.4.1
Good Date: User Date
Cost Date: User Date
Cost Estimate Type: Surery Cost Basis: Northern Neveds

118-		338-	138-	Total Manual Lane Captal Unit Unit Captal Unit Unit Series Captal Unit Series Captal Unit Series Captal Unit Series Captal Unit	Operation of the Control of the Cont	Davety Unit Capt Unit Unit Unit Unit Capt Unit Unit Unit Unit Unit Unit Unit Uni
118-	338-	118-	Total Manual Control C	Operation of the Control of the Cont	Their Mental Lines Colors Colo	Their Second County Type County County Type County County Type County Co
		111-	1 2 2 -	Control Contro	Their Manual Control C	Professy type Country Cuess Country Section Country Section Country Section Country Section Se
	138-		138-	Contract of the contract of th	Describy Uses, Carts	Their Type Guestly Uses Costs 5

Hotes. Capital cost is lump sum 8 a rist multipled by the quartery. Material, Labor and Equipment/Operating costs are und costs (1 a multipled by the quartery.)

Project Name: Mathis Quarry - Reclamation Plan
Date of Submittal: April 30, 2020
File Name: 200423_LNA_MathisSRCE_Version_1_4_1_017_NVb.xtsm
Model Version: Version 1.4.1
Cost Date: User Data
Cost Data: File: SRCE_Cost_Data_File_1_12_Std_2019.xtsm
Cost Estimate Type: Surety
Cost Estimate Type: Surety

Cost Summary					
		Labor	Equipment	Materials	Totals
irading Costs		3	23	N/A	3
Cover Placement Cost		\$616	\$1,482	N/A	\$2.078
Ripping/Scarlfying Cost		\$140	\$450	N/A	069\$
	Subtotal Earthworks	\$756	\$1,912		\$2,668
evegetation Cost		\$200	878	\$1,088	\$1,364
	TOTALS	19962	\$1.923	\$4.098	54 633

2	ads - User Input				You must fill in A	fill in ALL green cells and re	B 10	want blue calls in this section	n for each road					
Ü	Facility Description					Physical (1) -	MANDATORY		The second second	User Ov	remides		Srowth Media	
	Pana colonidana			Underlying	ll nearded				Slope	Regrade Volume		Growth	Haul Distance	Slope from
	(pagritus)	ID Code	Type	Slope % grade	Skope H.1V	Cut Slope degrees	Road Width	Road Langth	Percent	elecentrare)	elsewhere)	Thickness	Media Stockpile	Stockpile % grade
	4207H		Project Road	5.0	12.0	1.0	25.0	1,235	*6		0.67	4.0	4,300	35
"	RH		Access Road	2.0	16.0	1.0	15.0	1,192	%4		0.58	177	5,000	ž

1. All Physical parameters must be input even if manual oversides for volume or area are used.
2. If Stope from facility to borrow source is >20, downhill travel time may be underestimated due to familist on uphili travel time curves and downhill speed tables from CAT Handbook (see Producthry Sheet)
3. Because the work required for building needs with a dozer is similar to that required to regarde a road with a dozer, this sheet could be used to provide a rough estimate of road construction costs if a dozer is selected as the grading fleet.

			RODG Sereny II		
Description [required]	Berm	Berm Height	Berm Base Width	Besm Skideskope Angle H 1V	Number of Berms (2) (1 or 2 sides)

(2) Enter 1 if berm on only one side of road, 2 if both sides of road are berned.

Soac	ds - User Input (cont.)	The same of	You must fill in A	LL green cells a	nd relevent blue o	ells in this sectio	his section for each road						8000
			Grav	dhg			Growth Media				Revegetation		
	Description (required)	Regrading Malerial Condition	Regrading Material Type	Regrading Equipment Fleet	•	40. of Excavators Growth Media Cover Plucemes # grade >30% Material Type Equipment Flee	Cover Placement Equipment Fleet	Maximum Fleet Size	Seed Mix	Mulch	Fertilizer	Scartying/ Ripping?	Ripping Fleet
1		(select)	(select)	(netect)	(Netect)	(select)	(select)	(user override)	(select)	(select)	(select)	(select)	(select)
1	42071	0.0	LS - crushed	Med Excavator		Topsoll	Smell Truck		User Mx 1	Straw Mulch	None	, Yes	JezoQ pays
2	Ri	0,0	LS - cruehed	Hed Excavator		Topsoil	Smell Truck		User Mx 1	Straw Mulch	None	Yes	Med Dozer

Notes:
1 Material Types are used for density correction based on material densities in Caterpillar Performance Handbook material density table
2. Il original stope >30% only excavators are allowed.

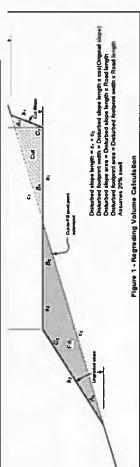
seds - Celculations	
Regracing Volume and Footprint Volume	Safety Berm Volume Calculation
Road Width (#)	Down Streams - Stem Lings - Chee Streams the Stream - Stem Lings - Chee Streams - Stem Lings - Chee Streams - Stem - Chee Streams - Streams - Stem - Chee Streams - Chee St
4/27/2020 Symptom and an application of the symptom and applic	

Roads

Closure Cost Estimate

Project Name: Mathis Quarry - Reclamation Plan
Date of Submittal: April 30, 2020
File Name: 200423_LNA_MathisSRCE_Version_1_4_1_017_NVb.xism
Model Version: Version 1.4.1
Gost Data: User Data
Cost Data File: SRCE_Cost_Data_File_1_12_Std_2019.xism
Cost Estimate Type: Surety
Cost Estimate Type: Surety

\$4,032	\$1.088	\$1,988	9988	TOTALS	
\$1.364	\$1.068	878	\$200		evegetation Cost
\$2,648		\$1,912	8756	Subtotal Earthworks	
965\$	N/A	\$450	\$140		ipping/Scarifying Cost
\$2,078	N/A	\$1,462	\$618		Cover Placement Cost
05	WA	0\$	0\$		rading Costs
Totals	Materials	Equipment	Labor		
Annual Control of the last of	Contractor of the last of the	The second second	The second second	Transferrence of the Section of the	Cost Summary



WM not allow dozer for slopes greater than 30% For dozer regrading push distance = road width Assumes dozer push is uphilit Assumes minimum push distance of 100 ft

Ripping/Scarifying Calculations

Total berm volume doubbed if both sides of road are bermed. If length of berm on each side of mad is different, input total length of both berms and input 1 for number of sides.

Berm Angle

♣

Minimum 1 hr ripping/scartyferg time per area
Number of passes = Final stope length - Catacle width
Taved distance = Number of passes x Road length
Taved lostence = Number of passes x Road length
Total hours = (Taved distance - Grader productivity) + (Number of passes x Grader maneuver (Ime)
For dozer regrading assumes push distance = 3 x road width

Revegetation Calculations

Minimum of 1 acre craw time per area

Regrading Costs Description (inquired)	Regrading Volume Cy	Recontouring	Fleet Productivity cyfly	Total Fleet Hours IN	Total Labor Cost \$	Total Equipment Cost \$	Total Regrading Cost 8
---	---------------------------	--------------	--------------------------------	-------------------------	------------------------------	-------------------------	------------------------

latic Transmit	Fourte	Total		Wismber of		Growth Media	Granth Heells	Description
- ·	3	Total Total	Total Fotal	Total	Total	Total	Number of Total	Total

Page 2 of 3

427/2020

Closure Cost Estimate Roads

Project Name: Mathis Quarry - Reclamation Plan
Date of Submittal: April 30, 2020
File Name: 200423, LNA, MathisSRCE_Version_1_4_1_017_NVb.xism
Model Version: Version 1.4.1
Model Version: Version 1.4.1
Cost Data Lier Data
Cost Data File: SRCE_Cost_Data_File_1_12_Std_2019.xism
Cost Estimate Type: Surety
Cost Estimate Type: Surety

Totals	23	\$2.078	\$590	\$2,666	\$1,364	54,032
Materials	N/A	N/A	NA		\$1,088	\$1,048
Equipment	0\$	\$1.462	\$450	\$1,912	\$78	\$1,988
Labor	80	\$616	\$140	\$756	0023	9965
				Subtotal Earthworks		TOTALS
	Grading Costs	Cover Placement Cost	Ripping/Scartfying Cost		Revegetation Cost	

Roads - Scartfying/Ravegetation Costs Scartfying/Ravegetation Total Stope Property Total Cost C	2 (R)	20.5	725/966G/D/R	475	•	- 6	9063	\$731	\$1,009			
VirigiRavegetation Costs Total Surface Length Final Stope Costs Ripping Hours (required) Ripping Representation (req						•		704'14	****			
Total Surface	ying/Revegetati											
Total Surface Final Stope Ripping Ripping Ripping Total Revengatation Revegatation Revengatation Revenagatation										THE RESIDENCE		The state of the s
Area Langth Scarifying Field Ripping Hours 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Description	Total Surface	Final Since	Directord		Ripping	Ripping	Total	Revegetation	Revegetation	Revgetation	Total
14.0 DPR 1 \$140 \$225 \$30	(tequired)	Area	Length	Scarifying Fleet	Ripping Hours		Cost	Costs	Cost	Cost	Cost	Cost
D9R 1 \$70 \$225 \$236 \$100 \$236 C9R 1 \$70 \$225 \$250 \$100 \$33 2 \$140 \$440 \$50 \$70 \$160 \$160		\$CLES	E	100 miles	£	*		8		8	8	\$
2 \$140 \$225 \$225 \$100 \$38 \$100 \$38 \$100 \$38 \$100 \$38 \$100 \$38 \$100 \$38 \$100 \$38 \$100 \$38 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$10	1 4207M	0.67	23.0	DeR		\$70		\$295	\$100	883	7695	\$832
5.5.6.1 5.5.0 5.5.	2 R1	0.38	14.0	D9R		\$70	\$225	\$295	\$100	803	1	\$532
		1.06			2	\$140	0574	0625	0029	876	\$1,088	\$1,364

\$1,039

\$731

\$308

Closure Cost Estimate Haul Material

Project Name: Mathis Quarry - Raclamation Plan
Date of Submittal: April 30, 2020
File Name: 200421_LNA, MathisSRCE_Version_1_4_1_017_NVb.xism
Model Version: Version 1.4.1
Gost Date: User Date
Cost Date File: SRCE_Cost_Date_File_1_12_Std_2019.xism
Cost Estimate Type: Surety
Cost Estimate Type: Surety

Generic Meterial Hauling - Cost Summan

		apode	Equipment.	Materials	College
Hauling/Chan/Screen/Compact		17055	55,153	WA	\$3,117
Cover Placement Cost		3	3	N/A	3
Topsod Plecement Cost		\$324	52,163	N.A	\$3.117
Parang/Scardying Cost		01.23	8675	N/A	\$865
	Subtotal Earthworks	12,058	\$3,061	3	87,116
Revegetation Cost		70053	\$114	\$153	\$726
	TOTALS	1890.73	\$4.475	21/2	17.17.5

Hauted Meterial
Polance
from
Berror
d Berror A Paris Physical Ě ■ Code Generic Material Hauling - User Input Facility Description Description (respired

Co o

Recent to Location (2) Pleasured

Material

Crush

Crushing & Serse

1 incut detence to crush of material to be crushed to the control of the control

Gener	ric Material Hauting - User Input (cont.)							360		100000000000000000000000000000000000000				ı		
			Heuling	Meterial			Cover	The same of the same of	Section 1	Growth Mec	100 may 200 mg	100		hvegetation	The second	
			Maderial	Each			Paramet		Grawth	Srowth Media						
	Description	Hand	Hauffing	Floor Size	After	Carred	Equipment		Material	E-g. Aprillarit	Machine	Beed	Phytical	Fortilizer	Beauthy	Scarthfred
	(unitary)	Malerial Type	ł	[freezertio creather]	_	Material Type	7		į	1	Red Bits	ī	Tyle	Į,	7	Physical Park
		(netect)	(subact)	(user countries)		(select)	(select)	(user override)	(sedent)	(pages)	(user override)	(pages)	(Seedings)	(page())	(neglect)	(sedect)
-	361	Stone - crush	Smell Truck		Mo.	Ī	Ī	1	poedo,	Served Truck		User fills 1 =	Straw Mulch	Home	Yes	Med Dotter
2	200 E	Alberton	Small Truck		Ato.		Ī	ĺ	losdo	Small Truck		User Mix 1	Stree Mulch	None	Yes	Med Dozen
<u> </u>	Page	La - crue hed	Small Trees		92				9000	ACRES OF THE PARTY.		Dear Mix 4	12.1.1	-	,	Many Depart

Note:
It Material Types are used for chreaty correction based on material denotes in Caterplay Performance Handbook material densay table.

					Meterial Hau	agai.					Crush andlo	or Compact	
	Dasparinghan (required)	Material Volume 10 Crusher Cy	Pinal Malanta Volume Cy	Material Hundage Floor	Float Floatschity LCYAN	Humber of Trucks! Scrapus	Total Flues Hears	133-	Harang Epidement Cook	Chast Chast	2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Company Company American	Tage of the Control o
149		ız.	Z	725/86G-D7R	475	9	1	9003	\$731	Ē		9	31.0
575		6	G	725ABBICADTR	475	9		8003	1573	3	3	9	\$1.0
5P.8		83	28	72S/BBBG-D7R	475	9		2308	1573	3	3	S	\$1.0
		*	7								ı		

Note: Final Material Volume Includes allowance for additional material hauded to crushinglecreming plant based on Loss to Crushing/Screening input above.

Control Cont	The state of the state of	Secretary of the last of the l	The second second	0		Cover Placen	ent.				The state of the state of	The second second	Gro	with Media P.	* Lacement			
10 10 10 10 10 10 10 10 10 10 10 10 10 1	5		Corer Volume	Const. Pleasurer	Course Presidentibly LCVAy	Number of Trucks! Sermons	Total Fast Hours	233-	Total Epidoment Coeff	Total Cover Pleasment Court	Drowth Media Velume	Growth Made	Productively Color	Trusted Trusted Berspers	Total Pass Hears	111	Eddynas Control	Total Committee
2 (889) 3 (894) 4 (1) (20) (20) (20) (30) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	1 SP1							3	8	2	17	725/060G-D7R	287	,	-	1306	16/5	610
3 894 15 7559965007R 455 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 SP5							3	9	9	9	75/Deec/O/R	387			903	C	31.0
171 (191 (171 (1714) (1714) (1714) (1714)	3 8.74							3	2	9	10	72SABBOADTR	38		-	1003	6731	\$1.0
								03	3	9	53				-	1245	(2.193	13.1

47772020

Project Name: Mathis Guarry-Rectamation Plan
Date of Submiths; April 30, 2020
The Name: 200432_LNA MathisSRCE_Version_1_4_1_017_MNb.xism
Model Version: Version 14.1
Cost Date: User Clabs
Cost Date: Type: Surety
Cost Estimate Type: Surety
Cost Estimate Type: Surety
Cost Estimate Type: Surety

The state of the s	Totals	\$3,117	34	\$3.117	2882	87,119	\$7.26	87,148
10 miles	Madestials	NA.	WA E	WA	N/A	9	KIES	1212
The second second	Equipment	\$2,193	9	\$2,193	\$675	1,90,23	8114	\$6,175
	roqe"	1624	95	17553	10123	620.23	0003	12,350
R Deminary		1				Subtotal Earthworks		TOTALS
Communications of the Communication of the Communic		Hauting/Crueh/Screen/Compac	Cover Placement Cost	Topsol Placement Cost	Paping/Scamping Cost		Revepateson Cost	

	Description	Total Burbon Area sons	Ripping Scarifying Pleat	Scartifica Ripping Hours Fre	Scarnford Physical Cont	Bearbying Replan Equipment Cost	Party of the last	Con	Estimate Cont.	1 2 -	Total Reve
-	198	0.10	Sec	0	570	\$228	5823	\$100	2	3104	
3	\$46)	0.10	2000	0	\$70	523	\$200	\$100	\$38	8104	
h	(3P4)	0.10	380	0	870	\$225	2023	\$100	83	\$104	
		2			77163	13/42	121972	4,000	791-3	1449	

Closure Cost Estimate Foundations & Buildings

Project Name: Mathis Guarry - Reclamation Plan
Date of Submittal: April 2020
Date of Submittal: April 2020
File Name: 200422_U-M. Mathis3RCE_Version_1_4_1_017_M/b.ztem
Blodel Version: Version 1.4.1
Cest Date: User Date
Cest Date: Rice Store
Cost Estimate Type: Surery
Cost Estimate Type: Surery
Cost Estimate Type: Surery
Cost Estimate Type: Surery

		Labor	Equipment	Malerials	Totals
Butteria Demoteran Cost		23.232	82,300	MA	16.62
		\$48,510	54,156	MA	2000
Sleb Demotition		BLS	52,210	NA.	22.91
	Gutheral Denoterni	546,442	HC35	2	104, 363
Joynt Placement Cost		OS.	38	NA.	3
Growth Media Placement Cost		728	12,193	MA	103
Repara/Scartying Cost		EX	81,350	NA.	E IS
	Gabball Estimates	21,344	THE	3	1111
rvegetaton Cost		9900	8778	\$C\$4	31.45
	DIAMS	101 3251	E19 E19	171.77	12.12

				in the second	Contract management				make the second second			ļ					
ĺ	Facility Description	STREET, STREET	CAST PRESENTATION CONTRACTOR	Section Section	And in case of the last	September 1	Physics	ii - MANDATC	ንጽፖ			7	Amdatlen Cov	or (1)	Orawth file	dia (1) (entire	(hundroor
										Average Flat	E Basiding Area Feetprint		Cliptorics from				
				-					Poursien	_	_	Feardages	Parente	II and		Distance from	Stape from
	Description					ž.	9	Fourthillen		-	-		-	_	Orangh Media	Ormeth bleeds	Facility to
	(natived)	Code	- Line	Length	Meh	High	Thickman	=		-	-	-	-	_	Thickmese	Stechale	Bectagle
				'n	E	Œ	2		E	-	9000		=	% grade	E	-	*
	The state of the s		Present Part & Ballongs	18	8	9	-	•	- 12	22	10T					3	3
			Pracyes - Plant & Balledone	**	33	94		•	2	**	2270				ļ	987	3
			Other PostBibles			2		•	9		200					257	3
			Other Feelithes	1	•		7	-	•	#	9979				7	207	3
	and residence in the second second second second	A STATE OF THE PARTY NAMED IN	Other Feedbas	Section 2 Section 2			A		-	-	0979	-			ļ	3	3
			Come E sectionismo - Batter-barron	Ì				4			100					100	

Notal:
2 8 Stops from fourthy by brance source is 20, chariful board have may be unknownessed as in the branch source is 20, chariful board have may be unknownessed as in the branch source in 20, chariful board have may be unknownessed as in the branch source in 20, chariful board have may be unknownessed as in the branch source in 20, chariful board have may be unknownessed as in the branch source in 20, chariful board have may be unknownessed as in the branch source in 20, chariful board have a series because of the branch source in 20, chariful board have a series because in the branch source in 20, chariful board have a series because of the branch source in 20, chariful board have a series because in the branch source in 20, chariful board have a series because in the branch source in 20, chariful board have a series because in the branch source in 20, chariful board have a series because in the branch source in 20, chariful board have a series because in the branch source in 20, chariful board have a series because in the branch source in 20, chariful board have a series because in the branch source in 20, chariful board have a series because in the branch source in 20, chariful board have a series because in the branch source in 20, chariful board have a series because in the series because i

Hiding	s & Foundation - User Input (cont.)			Year	meet AD in ALL groon ands and relevant likes seals in 1984 asset	de and relevant h	Las cedis in 1984 .	-	bulleng or food	14	20	- Carlo	Newsperson		or deliveration	
		Center	notion Materials	12	th Demethers	F	umdation Co	, and		Orawith Mon	a a			Revenuetation		
	Description (requied)	Beateng Type (seeing)	Fearthfun Walt			Manual Type		Table Branch	County Page (page)		111111111111111111111111111111111111111	11	11	Pertificat (redect)	Security Rep?	Repart Pleas
Î	n	Sm. corterate	Cara & in (150 nen) th	ict Breek &	trury Med Encavelo.	2			Topodi	Shred Trust -		User Mr. 1	Diram Madeh	Home	Yes	Med Dane
	-	Sen, constrain	Care 6 in (154 inm) &	tot Breek &	buy liked Expends	1				Sect Test		User Mr. 1	Street Match	Here	, and	- Med Doner
Bate	9	Ort. Oprativate	Come & In (186 month to	det Breed &	bury Med Entayeds				Tepecol	Bread Truck		Unor later 1	Mrsev Musch	None	Yes	- Mend Degrav
1000		Sm. concrete	Conc & In (150 ores) (5	ded Brank &	bury liked Excevato				Topsof	Small Truck -		User Mar 1	Direct Shalch	AL SALE	Yest	Med Deser
e Partie			Core & In (160 ment to	A Breef	tury Med Excession					Breed Push		User Mr 1	Offwar Madels	Mare	Yes	Mad Despo
(Blab)		Sm. consists	Corn & in Cite comb to	A Break A	that Entarelle				Tousell	County Prints		Hoor life:	Street Mades		50,	Man Dage

Notes: 1. Material Types are used to density correction based on material densities in Caterplain Performance Handbook national density bible

huiding Volume Calculations	wet from building dimensions. 2006) signated for supervalors of Waste Disposal mobile	Sleb Demokitien Calculations		Cover Veluma Calculation
Page 1	Uang Maera Heary Construction Cost Data (2004) calculates cube heat from building demonstrate Entering selb infraress and well fortunes for example selb receives and well concrete selbe are serviced. Production y for example some hear serviced. Production y for example some hear serviced. Production y for example selbe are serviced. Redonesed in select. Cental and Deve-Boson Wage Rase. Demoltran cents do not include healing or deposing if define. Use Weste Deposit module	## · · · · · · · · · · · · · · · · · ·	Meymum 1 fir excevetor time for eleb demolfion	

Project Name: Mathis Guarry - Restamation Plan
Dake of Submiths A. P. A. D. 2020
Dake of Submiths A. P. D. 2020
Dake of Submiths A. D. 2020
Buddel Version: Version 1.4.1
Cost Dake: User Dake
Cost Dake: User Dake
Cost Easte: Surery
Cost Easters Type: Surery
Cost Easters Process

Cost Ea

Busing Denoteon Cost				
Busing Dendition Cost	1,4800	Equipment.	Materials	ľ
	13,232	12,300	₩.	ľ
Wat Denditor Cot	245.610	25.12	H#A	
Slab Denotifican	374	12210	454	ı
Subtable Demoks	277 175	14.758	9.	l
Cover Placement Cost	g	O\$	MA	L
Growth Marks Placement Coal	7,03	22.150	M.A	
Repeng/Scarrieng Cost	3	OF IT	NA.	l
Substal Earthway	17 M	11.11	3	ı
Revegators Cost	0398	223	2624	ı
1014	TALS 441,344	H2.53	M	l
				I

total cover (cover + growth media) equals value enfered in "Merimum thickness of cover over unbroken stat" call above

Fig. zero wich a Frail fit was + Average tory dimensions.
Names of peases of the new wich + Center with:
Then determen to Author of peases a Average tray dimensions.
Total fourse of (Inseed determore - Center productively) + (Names of peases a Center mension tens)

Mornium 1 sons revegatation crew time per unes

Page 2 of 3

477/200

Closure Cost Estimate Foundations & Buildings

Project Name: Mathis Guarry - Reclamation Plan Dabs of Stanfartais, Appl 2020 Dabs of Stanfartais, Appl 2020 File Name: 200423_LM, MathisSRCE_Venion_1_4_1_017_MVb.xism Model Version: Version 1.4.1 Cost Base File: SRCE_Cost_Dabs_File_1_12_SRd_2019_xism Cost Estimes Type: Surryy Cost Basis: Northern Neveda

pe & Fearndation Dernalition	Cost Suppopulary				
		1000	Equipment	Malerials 1	Totals
Building Demotison Cost		27.73	12,380	MA	18 622
Il Demokran Cost		146,610	100 E	YAY	\$40,060
Slab Demotition	_	Bus	012210	MA	COMIC
	Subsocal Demoksory	148,442	617,418	3	144,281
Cover Placement Cost		9	9	MA	Si
the Media Placement Cost		705	\$2,193	YN.	\$3,117
Papang/Scarfying Cost	_	27	1000	W.Y	2
	Substitut Earthmorks	34.344	13.143)	3	14,647
Pregatation Cost		009	17.7	707	31.62
	TOTALS	101.188	81238	2434	24.140

Building & Foundation Demolition Costs	The state of the s	San	Une fit here ten	Harry Comme	Many Cont Data A		ved denoteday.		a. Uses CAT Ha	Thereton in	Total Section		2000	3	The same of		Table 11 and	
Security of the second security of the section of the second second section is	Contract Contract	The state of the state of the state of			The second second	STATE OF THE PERSON NAMED IN	Buffe	Ing Demoliti	T. Car	W	M Demolitics		100	ab Demetities	Statement of the last	A CONTRACTOR	Total Coets	(Anthonology)
Description (inspire of)	Part of the state	1	Well Laugh	Wall Area	1/2	State Volume	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	To the second	Total Building	111	12 3	Was Dated	Total Later Cont	Tar San	Total Stab Braking Good	213	Total Cons	
- Biogs 5	¥ 2	7,000	110	1 00	3456	25	\$1,610	\$1,190	12,800	\$19.624	21.720	121,417	\$140	-	•	\$20,374	1 20 23	\$24,788
2 Bidg 4	8	6,260	100	1,000	3458	12	81,426	\$1,083	\$2,50H	\$17,840	\$1.630	818 470	\$140	740	2958	819418	\$3,136	\$22.560
3 200	3	040	St	S	3459	-	23.47	190H \$		907.00	2234	16231	\$140	246	2858	99,68		\$7,089
4 Blég 6	29	0	Я		3458		OK	g	08	128	-	878	Ch18	240		l	2440	299
5 (Beg)*			- 45	100	9590	0	DI.	OH.	94	110	2	223	Ot.	04	Ot	818	C	2
6 Birgs	75	162	42	128	3456	-	137	126	955	\$2.248	\$200		2140	7	285	22.23	12.00	\$3.100
		14,056				R	21.23	\$2,390	11.1821	10000	EL IN	1020/021	1700	\$2,216	12,010	\$48,442	54,754	144,397

Building & Foundation - I	Foundation Cover an	d Growth &	Wedia Costs																	
The second secon					Foundation Caver	2000			100				Grewth	albedie	100	200	1000	Total Cover	& Growth Ma	dia Costs
	Description (respict of)	Cores Volume	Float Cover Measurement Plant Plant	Float	Tracks of Tracks	Tata Ras	113	113	Test Cons	4	Ocean Made	Paraderity	Parket of Parket	Setal Please Name	313	1	Cont.	113	Take	Total Cents
		6		LCYA			*			ò		LCYAN			-		*	**		
1 (Bidg 3							08	OX.	g	45	725/666G/DTH	8	•		8308	8731	\$1,000	8063	\$1731	\$1.03
2 bidg 4							9	Q.	01	13	72598G-07R	999	•		\$3CB	15731	1,030	9003	112/8	\$1,03
3 (Step) 6							9	9	ş	Ī					05	28	08	9	Off	
4 (State 0							O\$	906	28	B-100-100-100-100					9	2	Dt	O\$	8	æ
5 (849.7					,		OK	106	O.						3	28	08	9	g	a.
6 (849.8							Q.	93	01	2	725/66GAD7R	95#	•	-	23	£73H	81 030	\$306	HC78	\$1,03
							3	3	3	7.				-	17.05	52,183	1000	Priorit	12,195	HH

The last of the la	100 100 100 100 100 100 100 100 100 100	The same of the same of the same		Scal	Symply Dept.		The second second	Remed	whiten.		Total Total	al Scarify & P.	Innegation C.	Pode
Description	Piot Area acres	Repling Seatthing Real	}}i:	Paris 7	III-	P.	133-		111-	Total floregatation Coast	253-	Marie Company	1]1-	10.71
Bleta 3	010	Light.		DV\$	575	\$280	\$100	901	\$104	22.23	מצונ	CSECS	\$104	8637
(940.4	010	883		20	572	22	Sico	2	\$104	253	1170	CSE	\$104	26.77
ENdg 6	010	1980		0.43	5228	\$236	\$100	836	\$104	25/23	\$170	SHE'S	\$104	\$637
Diety 4	010	1000	1	240	122	1296	2018	23	\$104	250	213	CHCS	\$104	153
Deta 7	010	960		24.8	223	267	8100	ecs.	\$104	2723	0118	CHCS	\$104	\$637
1 (50.0)	010	X80		N.	223	200	\$100	7	1018	20	\$170	7927	\$109	153
	090			0071	31,550	61,770	2000	HEES	7277	\$1.A4.3	11,686	61,573	14.14	17.13

Project Name: Mathia Quarry - Reclamation Plan
Date of Burnitaria, April 30, 2020
The Name: 200420_LNA_MathisSRCE_Version_1_4_1_017_Mb_zism
Model Version: Version 1.4.1
Cost Date: User 10.201
Cost Date: User 10.201
Cost Date: SRCE_Cost_Date_File_1_12_Sid_2019_zism
Cost Estimate Type: Surety Cost Basis: Northern Nevada

The second secon	Equipment (Materials Totals	SO NA OS	St St St St	71 \$12.563 NA \$17.624	25 CS NW 979 CS 95	DEC.152 1 151,250	327,718 (50,318 (972)	The same of the same
Cost Summery	Labor Labor	Cost	Cover Placement Cost	Growth Media Placement Cost \$5.271	g/Scart/ring Cost	Substate Earthworks SA, 107	51,524)	TO THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN

E	s, Etc User, Input			S. S	You payed 58 h	In ALL: green on	the and polaryear	f falue codes in t	his section for	easth building	or facility	
Ш	Facility Description				Physical			Cover			Growth Media	
	Description (required)	80 Code	P.	\$ 1	Are Leng		Const	Ostanos fran Conse Boron Ann		Greath Thistings	Courth Mada	
1	. p.e.		Yeard	197	223		0			7	4,300	6.0
•	70		Year	Spirite L. I. Spirited	230			Annual Control of the last		manual & commen	625	23
-	PPa		Yard	H72	997	0	0			y	4,300	3
-			Yeard	3.06	306	•	9			,	857	93
۴				2	177						200	

Notes

1 Al Physical personales must be incur award mamual overrides for votions or area are used.
2 if Stope has bodies to become source is 20, downful based has may be underestimated due to limitation of uprill based and course and downful speed tables from CAT Handbook (see Product-ry Sheet).
2 if Stope has baddy to borrow source is 20, downful based has may be underestimated due to limitation of uprill based has curves and downful speed tables from CAT Handbook (see Product-ry Sheet).

Yards, Etc User Input (cont.)		You must fill in A	il, green ealls a	nd relevant blu	e cells in this s	section for each	building or fa	4					Section 1	10000
		Graeding			Cover		0	rowth Media			2	nogajabana		
Description (required)	Pegrading Malerial Corefiber (select)	Part (Page safing Espiration Plant Plant (Safes)	Change (Career Placement Englands (place (page 2)	Maximum Past Site (user countie)	Growth Market Market (1750	Greeth Epitement (med)	Maximum Florit Sites (user counties)	Seed Mir (meet)	Indeh (select)	Forestor (select)	Scartly Rp?	Repairt Flores (select)
1 Yard 1	3	LS crushed	Med				loggo	Smed Truck		Page Mix 9	Street Madeth	Norse	Yes	Med Drize
2 Yard 2	- 0.4	L8 - crushed	Med			1	poedo	January Truck		heer falls 1	Street Mulch	Morre	Yes	Merd Dodge
3 Yard3	73	LS - orushed	Med				loado	Smed Truck		Jace Mile 1	Straw Mach	None	Yes	Med Dozer
4 Vard 4	878	L8 - orushed	Plet			Ī	losed	Leaning Trustee		Joor Mix 1	Street Madeh	Nome	Yes	Med Dotter
5 Verd 8		(.8 - crushed	Med	Ī	Ī	Ĩ	losed	Intell Truck	_	her Mis 1	Street Middle	None		Med Dozer
														ı

Note:
1. Meterial Types are used for damity consistion based on material deneties in Caterplas Performance Handbook material denety table.

Awar age push detaines essured to be 2/3 of the 600 feet medinum from Categolar Hendbook or 400 feet Meteral sesumed to be loose stocked (1.2 productivity factor) Stops essured to be 0 to 5% (1.0 productivity factor) Cover Volume Calculation Yard area is cover thickness Rephysibaritying Calculations	Oracing Chiculations
	Average push distance assumed to be 27 of the 600 feet maximum from Categolar Handbook or 400 feet Meterul essumed to be loose stocked (1.2 produzivky factor) Stope sesumed to be 0 to 5% (1.0 produzivky factor)
	Cover Volume Calculation
Ripping/Szaritying Calculations	Yand area x cover thickness
	Ripping/Scariffying Calculations
	Travel determine of Nambur of passes at Neerge long directions. The form of the second determined of passes and the second of the second of the second determined to the second of the s

Project Name: Mathis Quarry - Reclamation Plan
Date of Submithst. April 30, 2020
The Name: 200422_UAN_MathisSRCE_Version_1_4_1_017_M/b.xism
Model Version: Version 1.4.1
Cost Date: User Date
Cost Date: This SRCE_Cost_Date
Cost Estimate Type: Surety
Cost Estimate Type: Surety
Cost Estimate Type: Surety

Yarda, Etc Cost Summary				0.00	
	Appeal	Equipment	Mathematical	(cdades	
Regrading Cost	2	Ø	N/A	3	
Cover Placement Cost	3	9	FWA	9	
Growth Media Placement Cost	142.271	\$12,563	NA	\$17,624	
Ripping/Scartfying Cost	8283	52,695	N.A.	23.520	
Sufficial Earthworks	\$4,107	\$16.348]		121,364	
Revegataeon Cost	103,13	\$579	\$15,663	\$17,756	
STATOT	17.631	\$15,020	\$31.163	\$39.112	

Mrimum 1 acra revegatation crew time per area Minimum 1 for appring/boardying per erea

Yar	rds, Etc Re	egrading Costs	-	The second second	Section of Section		100		The Parent		100			100
Ą	ductivity = Do.	cer Productivity x Grade Correction :	x Denelly C	orrection x Oper	ator (0.75) x	Meterial x V	slibility x Job	r Efficiency (3.83) x (Slot	Side by Sid				
		Description	Paradro	Ouding Distance	Regarding	Uncorrected	Grade		Darrador	Total Hours		Total	Total	Total
		(ned the di	Voteme	(see above)	1	Predactivey	Correction	Decing Material	Convection	Productivey	Hours		3-	ğ
ŀ	Yard 1				Den			Ī			-	3	95	36
~	Yard 2				DOR							3	98	3
n	Yard 3				DOR			***************************************				S	33	3
4	Varid 4				DOR							8	23	36
'n	Yeard S				COR							3	05	06
												9	93	9

>•	ards, Etc Cover and Growth Media Costs											100			
	Enter and the control of the control	The state of the state of	Statement of the last of the l		Cover	Transmission of the			C-100				Growth Media	agpa	
	Suscription (Positival	Cover	Topsoil	1	Number of Trucket	Total Plant	143	Folder Code	Total Cover	Growth Media	Greath Heafa	Production	Trucks!	Total Plans	
		Ç		W.CT			8			6	!	LCYAY			50
	Yeed 1	-					08	03	OS	3,603	725/266G/D7R	405	7	9	22,46
	Vard 2						0\$	08	30	285	725/988G/D/TR	465	4 6	1	\$306
	1 (Yard 3)						9	3	30	1,506	725/906GJD7R	999	*	3	302:
	1 Yard4						98	0\$	30	1,980	725/98/BG/D/TR	465	*	4	\$1,230
Ľ	7 Varid 5						9	05	30	464	725/06/G/D/R	486	5	1	3763
							5	3	1/2	A 175				4.5	146.30

Description (required)	Surface Area	Avan Long Chemoralem R	Parent Pa	Bearflying Ripping Hours Its	Stanflying Reperty Labor Costs	Cont Cont	Total Beantybrg Ripping Costs	Personal Control	Engeration Engerated Cont.	Revortation Material Cost	Total Park
Yard 1	6.67	725	POG	S	8748	\$1,123	51,471	2007	\$253	\$6.905	\$7,825
Yard 2	1.11	330	980		023	\$23	5825	1111	275	\$1,140	\$1,302
(Park)	261	465	DOR	2	\$139	8449	8958	1923	\$107	\$2,900	12.20
iYard 4	366	306	Jen Jen	9	8200	\$674	\$683	\$305	\$130	\$3,778	\$4.283
Varid 8	290	355	Neg .	-	\$70	523	2823		200	1161	\$1,049
	15.12			12	2636	\$2,666	53,532	\$1.524	8578	\$15,653	817.75

Closure Cost Estimate Waste Disposal

Project Name: Mathis Quarry - Reclamation Plan Date of Submittal: April 30, 2020 File Name: 200423_LNA_MathisSRCE_Version_1_4_1_017_NVb.xism Model Version: Version 1.4.1

Cost Data: User Data
Cost Data File_1_12_Std_2019.xlsm
Cost Estimate Type: Surety
Cost Estimate Type: Surety

	8 - On Site 8 - On Site	Labor Equipment Fees Totals	ost summary	505 \$900 \$900 \$00 \$00	N/A S0	Equipment \$0	Labor 50	inaled Soils
	Naste - Off Site \$960 Jour Materials \$0	- On Site \$0	Labor Equipment Fees To S0 N/A S0 S0 N/A S0 S0 N/A S0 S0 N/A S0 N/A S0 S0 S0 N/A S0 S0 S0 N/A S0	3	05	0\$	0\$	n Contaminated Soils
irrocarbon Contaminated Soils \$0 \$0 \$0	okid Waste - Off Site	OS N/N Site 50 80 00 00 00 00 00 00 00 00 00 00 00 00	Labor Equipment Fees To S0 N/A	05	pigrame and the same and the sa		The second second	Materials
Materials 50 50 50 50 50 50 50 50 50 50 50 50 50		Or Site \$0 N/A \$0	On Site	\$960				- Off Site

aste D	aste Disposai - User input - Solid Waste							Section Contraction	of the same of
	the man and the standard and adding a fact that	Contraction of the last of the				Land	III (Butk) Dis	posei	Dumpster
								Number	Months
	Description		Waste	Disposal		Distance	Skope to	ъ	Dumpster
	(rednined)	ID Code	Type	Method	Quantity	to Landfill		Trucks	Rental
			(select)	(select)	cy	נ	% grade	(user override)	months
-	Waste Disposal		Weste Momt & Disposal	Dumpster	91				2

1. All Physical parameters must be input even if manual overrides for volume or area are used.
2. If Stope from facility to borrow source is >20, downital travel time may be underestimated due to fimitation of upital travel time curves and downital speed tables from CAT Handbook (see Productivity Sheet)

Waste Disposal - User Input - Hazardous Materi	als							
Description (required)	ID Code	Weste Type (select)	Container Type (select)	Vacuum Truck Size (select)	Liquid Quandity gallons	Soild Quantity Cy	One Way Travel Distance to Disposal Site	

One Way Travel Time to Disposal Site

Notes: 1. Use Other Demo & Equip Removal Sheet for tank removal

Description Waste Disposal Quantity (required) ID Code Type Method Quantity	r Disposal - Oser iliput - rijui ocal boli oontalliilata					
Waste Disposal Type Method (Travel
ID Code Type Method	Description		Waste	Disposal		Distance to Offsite
	(pedniced)	ID Code	Type	Method	Quantity	Disposal

Project Name: Mathls Quarry - Reclamation Plan

File Name: 200423_LNA_MathisSRCE_Version_1_4_1_017_NVb.xlsm Date of Submittal: April 30, 2020

Model Version: Version 1.4.1

Cost Data: User Data

Cost Data File: SRCE_Cost_Data_File_1_12_Std_2019.xism Cost Estimate Type: Surety Cost Basis: Northern Nevada

Solid Waste - On Site		Equipment	Fees	Totals
	æ	O\$	N/A	O\$
Solid Waste - Off Ske				096\$
Hazardous Materials	A PERSONAL PROPERTY.	Programme and the state of the		90
Hydrocarbon Contaminated Soils	O\$	OS	OS	25

1. Use Yards or Landfills Sheets for bioremediation facility reclamation

Waste Disposal - Assumptions & Calculations

Solid Waste Disposal

Off site disposal assumes use of average rolfoff dumpster [30 cy (m3), 10 ton (tonne)]. On site disposal assumes use of small loader/truck fleet for haudage.

Average density for on site disposal = 2,600 tb(cy (1,540 kp/m3) For on site disposal only 1 truck is required unless total truck hours > 8, only 2 trucks unless total truck hours are > 16

Hazardous Materials Disposal

Assumes all hazandous materials are known

Enter EITHER solid or liquid quantity each line.

If container type = 55 gallon (200 liter) drum then solid waste hauling costs apply Average density for solids assumed to be 2,600 lb/cy (1,540 kg/m3) Vacuum truck sizes: small = 2,200 gal (~8,300 litres), large = 5,000 gal (~19,000 litres) Vacuum truck on size for 4 hours for each load

Hydrocarbon Contaminated Soils Disposal

Assumes all hazardous materials are known On site disposal assumes biopad treatment Exavation productivity =45 cy Art (35 m3Ar) (Means Heavy Construction, 2006: 02315-424-0360)

Waste Disposal - Solid Waste Disposal

05	os	0963						15	Waste Disposal	
s	s	s			LCYAhr			οy		
Cost	Cost	Cost	Hours	Trucks	Productivity	Equipment	Loads	Volume	(nednined)	
Equipment	Labor	Dumpster	Fleet	Number of	Fleet	Landfill Fleet	Dumpster	Waste	Description	
Total	Total	Total	Total		Landfill		of Off Site			
							Number			

4/27/2020 Capraga to 2004: 2007

Page 2 of 3

Closure Cost Estimate Waste Disposal

Project Name: Mathis Quarry - Reclamation Plan
Date of Submittal: April 30, 2020
File Name: 200423_LNA_MathisSRCE_Version_1_4_1_017_NVb.xlsm
Model Version: Version 1.4.1
Cost Data: User Data
Cost Data: User Data
Cost Data File: SRCE_Cost_Data_File_1_12_Std_2019.xlsm
Cost Estimate Type: Surety
Cost Estimate Type: Surety

aste Disposal - Cost Summary				
	Labor	Equipment	F068	Totals
Solid Waste - On Site	0\$	os	N/A	8
Solid Waste - Off Site				\$360
Hazardous Materials				0\$
Hydrocarbon Contaminated Soils	05	los	0\$	9
TOTALS	9	05	95	096\$

	Liquid	Solid	Number	Tons				Total
Description	Waste	Waste	of Truck	ò	Pick-up	Transport	Disposal	Material
(pedriped)	Volume	Volume	Loads	Waste	Fees	Fees	Fees	Cost
	gellons	ò		Tons	••	**	44	*

Waste Disposal - Hydrocarbon Contaminated Solls	olfs			200				The same	
	П				And the second section	Service of the services.	The second second		
			Todal				Total	Total	Total
Description			Teet t	Treatment	Transport	Disposal	Jog T	Equipment	Disposal
(rednired)	Ocuantity	Disposal Equipment Fleet	Hours	Cost	Fees	Fees	Cost	Cost	Cost
	c)			*	\$	\$	8	47	•
				0\$	0\$	\$0	O\$	0\$	\$

Closure Cost Estimate Monitoring

Project Name: Mathis Quarry - Rectanution Plan
Date of Submiths! April 30, 2020
Fire Mame: 200432_LNA MathisSRCE_Version_1_4_1_017_MNb.xlam
Model Version: Version 14.1
Cost Date: User 10.bta
Cost Date: SRCE_Cost_Date, File 1,12, 314_2019.xlam
Cost Estimate Type: Surety
Cost Estimate Type: Surety

	Reclamation Monitoring & Maintenance - Cost Summary	Labor Equipment Materials Totals	827/15 691/15 596 1/15	CS CS	727.357 AV 1898 CT 185.257	Montomg \$22,540 \$2,963 \$1.589 \$38,002	33	TINTER MONETINENES 639 4281 64 460 678 460
--	---	----------------------------------	------------------------------	-------	----------------------------	---	----	--

			[
Description	Total Peregulation Buritors Area (1,2) scree	N. Arm Pagang Passading	Seed Mr (select)	Parage Parage	II.	Labor	Equipment	Totals 5
Ravegetation Maintenance	11	10%	User Mis 1	17	\$886.42	\$100.00	238.00	
Labor Equipment Materials Cost/Acre							Subtrotte	\$177 200 201,100 200,100
Hilles	Notes: 1) Surface area is NOT the same as footpent destations area typically used for parmiting purposes	VOT the same as	hospeni deturba	arcs area typical	y used for parm	terodard Bugs		
	Yearen Orouth Media	N Value Trapstra Marterano	American Greenth Sheda Placement Cost	Volume Repairing Replacement		(seeum 25%)	Equipment (secume 75%)	3.
Eroslon Meintenance	6,600		22.97	П		18	808	
Notes							П	

Reciemation Montoring					
Description	History	DaysTear	Number of Years	Pace	
Pald Work	Section of the last of the las	-		200000000000000000000000000000000000000	
Fund Demografichgment Narge Sciented				\$188.5M	Diff
Reporting			Or STREET, SQUARE, SQU	And the second second	
Feed Geologist/Engineer			The state of the state of	\$100.39	
Kange Scientist				\$158.34	Suchrickal State
Fravel	Sprenger and and		Separate Sep	The transfer of the same	I
	Herito	TriperTrass	Years	Vnuch Cost	
riboni			2	\$30.10	1 23
					Total Reclanation Monthoring \$35.83
Notion					

Closure Cost Estimate Monitoring

Project Name: Mathia Quarry - Reclamation Plan
Date of Submittal: April 30, 2020
File Name: 200421_LIVA. MathiaSRCE_Varaion_1_4_1_017_M/b_xitam
Model Varaion: Version 1.4.1
Model Varaion: Version 1.4.1
Cost Date: Liber Date
Cost Date: File: SRCE_Cost_Date_File_1_12_3td_2019_xitam
Cost Estimate Type: Surety
Cost Estimate Type: Surety

Rechmetion Monitoring & Meintenance - Cost	e - Coet Summery		190	
			7 987	
	Labor	Equipment	Meterials	Totals
Sevegatation Maintenance	11/18	28	\$1,169	\$1.48
Eromon Manufanance	93	98	NA	3
Rechemation Monitoring	822.380	\$2,688	N/A	1825.287
Subtotal Recommeton Moneonnyi	\$22,540)	\$2,943	81,188	\$28,692
Water Quality Montoning	S	3	Q	3
TOTAL MONTORING	122,540	\$2,963	91,189	C.78 407

	Valer and Rock Sample Analysis		Spirit Spirit					COLUMN STREET,	Section 1	
Description	and a	Evertsilles	He. Years	First Lampie Van closure year (1-103)	No. of Samplers	Days-Event	HestOny	Amalysis Cost Stample	11	Leb Cont
		The Party of the P			Name and Advantage of the Park			-		
								-		
								-	S. S. S. S. S. S. S. S. S.	
	1			Ī						
	The second second								Automotive and a second	
						the same of the same				
The second secon								***************************************		
	COLUMN SAFATA									
Section of the sectio										
									4 444	- Transfer
										0.08

Notes. Sampling labor cost = No. Samplers x Years x Everts/year x Dayslevers x HouriDay x Labor Rate. Sampling equipment zosts include 1 pictup truck for every two samplers.

Conscription No. of	No. of units	Venes	Cost
Pump (purchased)	Replacement period (yrs).	RET	8
		Subtotal Field Work	
Notes: Replacement period = frequency of pump replacement) replacement		
Reporting			Management
Description Historical	Seri Rate SAv	Coef	
Field Geologet/Engineer			
	Subtotal Reporting	Section 1997	
Notes	-		

Closure Cost Estimate Constr. Mgmt

Project Name: Mathis Quarry - Reclamation Plan
Date of Submittal: April 30, 2020
File Name: 200423_LNA_MathisSRCE_Version_1_4_1_017_NVb.xism
Model Version: Version 1.4.1
Cost Data: User Data

Cost Data File: SRCE_Cost_Data_File_1_12_Std_2019.xism
Cost Estimate Type: Surety Cost Basis: Northern Nevada

Construction Management & Road Mainte	nance - Cost S	Summary		
	Labor	Equipment	Materials	Totals
Construction Management	\$16,000	\$3,054	N/A	\$19,054
Construction Support		\$432		\$432
Road Maintenance	\$13,382	\$20,637	\$60,000	\$94,019
TOTAL CONSTRUCTION MANAGEMENT	\$29,382	\$24,123	\$60,000	\$113,505

The second second		Constr	uction Manage	ment Staff			
Description	Duration mo.	Hours/ Month hr.	Number of Supervisors	Supervisor Rate \$/hr	Labor Cost S	Equipment Cost ⁽¹⁾ S	Totals \$
Active Reclamation	2	80	1	\$100.00	\$16,000	\$3,054	\$19,05
Monitoring & Maintenance					\$0	\$0	St
Construction Manageme	nt Support		i e mone londes e	Total Staff	\$16,000]	\$3,054	\$19.UD-
Construction Manageme	Ouration mo.	Number of Units		Rental Rate \$/mo	Generator Cost \$/ma	Equipment Cost ⁽¹⁾	\$19,054 Totals \$
	Duration			Rental Rate	Generator Cost	Equipment Cost ⁽¹⁾ \$	Totals \$
Description	Duration			Rental Rate	Generator Cost	Equipment Cost ⁽¹⁾	Totals \$

Description	Fleet Size (select)	Number	Duration mo.	Hours/ Month ht.	Labor Cost \$	Equipment Cost \$	Totals \$
Active Reclamation	The second second	2.00 07 2.71 0					
Water Truck Grader	Smeil	1	2	160	\$13,382 \$0	\$20,637 \$0	\$34,019 \$0
Monitoring & Maintena	ance				10 000		
Water Truck Grader					\$0 \$0	\$0 \$0	\$(\$(
Description	Gallons/ Day	Days/ Month	Duration mo.	Cost/ Gallon \$			Totals S
Nater Fees							
Nater Fees	10000	20	2	0.15			\$60,000
			Tatal Basi	ect Maintenance	\$13,382	\$20,637	\$94,019

Closure Cost Estimate Labor Rates

Project Name: Mathis Quarry - Reclamation Plan
Date of Submittal: April 30, 2020
File Name: 200423_LNA_MathisSRCE_Version_1_4_1_017_NVb.xism
Model Version: Version 1.4.1
Cost Data: User Data
Cost Data File: SRCE_Cost_Data_File_1_12_Std_2019.xism
Cost Estimate Type: Surety

Cost Basis: Northern Nevada

Color Code Key	
User Input - Direct Input	Direct Input
User Input - Pull Down List	Pull Down Selection
Program Constant (can override)	Alternate Input
Program Calculated Value	Locked Cell - Formula or Reference

ZONE ADJUSTMENTS			
	No altra Novada	Churchii Baralas Fila Crusta Humbaldi Landas Lura Microsi Cambias Chara. Microsi and Michigan	Sina Caustina
Cost Basis/Project Region		Churchill, Douglas, Elko, Eureka, Humboldt, Lander, Lyon, Mineral, Pershing, Storey, Washoe, and White	PINE COUNTIES
Power Equipment Operators	0-60 miles	\$0.00	
Truck Drivers	0-60 miles	\$0.00	
Laborers	0-60 miles	\$0.00	
NDIRECT COSTS			
Unemployment (%)	3.00%		
Retirement/SS/Medicare (%)	7.65%		
Workman's Compensation (%)	8.90%		
Other Indirects			
State Payroll Tax (13),(15),(17),(1		
Total Other Indirects	0.00%		

EQUIPMENT TYPE (1) OR	Labor		Zone	Hourly		Retirement/	Unemployment	Workman's	Other Indirect	
IOB DESCRIPTION	Group	Base Rate (\$.fer)	Adjustment (\$4v)	Wage (Shr)	Fringe (S/hr)	Medicare (\$/hr)	Insurance (Shr)	Compensation (\$/hr)	Costs (\$/hr)	Total (\$/hr)
Equipment Operators (\$/	hr) (2)									
Bulidozers										
D6R		\$37.51	\$0.00	\$37.51	\$24.80	\$1.13	\$2.87	\$3.34	\$0.00	\$69.6
D6R w/ Winch					\$24.80					
D7R		\$37.51	\$0.00	\$37.51	\$24.80	\$1.13	\$2.87	\$3.34	\$0.00	\$69.
DBR		\$37.51	\$0.00	\$37.51	\$24.80	\$1.13	\$2.87	\$3.34	\$0.00	\$69.
DeR		\$37.51	\$0.00	\$37.51	\$24.80	\$1.13	\$2.87	\$3.34	\$0.00	\$89.
D10R		\$37.51	\$0.00	\$37.51	\$24.80	\$1.13	\$2.87	\$3.34	\$0.00	\$69.
D11R		\$37.51	\$0.00	\$37.51	\$24.80	\$1.13	\$2.87	\$3.34	\$0.00	\$69.
Wheeled Dozers										
824G					\$24.60					
834G					\$24.80					
844					\$24.80					
854G					\$24.80					
Motor Graders				-0.0					*****	
120H		\$38.37	\$0.00	\$38.37	\$24,60	31.15	\$2.94	\$3.41	\$0.00	\$70.
14G/H		\$38.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70.
16G/H	1-0-0	\$38.37	\$0.00	\$38.37	\$24.80 \$24.80	\$1.15	\$2.94	53.41	\$0.00	\$70.
24M					344.DU					
Track Excavators		111111	22.5.7	*****	44144					444
312C		\$38.57	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70
320C 325C		\$38.37	\$0.00	\$38.37 \$38.37	\$24.80 \$24.80	\$1.15 \$1.15	\$2.94 \$2.94	\$3.41 \$3.41	\$0.00	\$70.
325G		\$38.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70.
3458		\$38.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3,41	\$0.00	\$70.
365BL		9/9/2/	\$0.00	400.07	\$24.80	91.10	44.57	90.71	30.00	470.
385BL		\$38,37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70.6
Scrapers		444			10:24	51.15				
631G		\$37.51	\$0.00	\$37.51	\$24.60	\$1.13	\$2.87	\$3.34	\$0.00	\$69.
637G		\$38.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70.
Wheeled Loaders		-			44,444					
924G		\$37.51	\$0.00	\$37.51	\$24.80	\$1.13	\$2.67	\$3.34	\$0.00	\$69.
928G		\$37.51	\$0.00	\$37.51	\$24,80	\$1.13	\$2.87	\$3.34	\$0.00	\$89.
950G		\$37.51	\$0.00	\$37.51	\$24.80	\$1,13	\$2.87	\$3,34	\$0.00	\$69
966G		\$38.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70
972G		\$35.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3,41	\$0.00	\$70
980G		\$38.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70.
988G	1	\$38.37	\$0.00	\$36.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70
990					\$24.80				E	9
992G		\$36.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70.
994D					\$24.80	- 213				
L2350					\$24.80		31-2	12		
Shovels	100, 300, 000, 000, 000, 000, 000, 000,									
PC2000			E 10		\$24.80	- 2				
PC3000					\$24.80		0.81			
PC4000					\$24.80	-				
PC5500					\$24.80				2 2 2 5	
PC8000 Hydraulic Hammers			The state of the last	-0.00	\$24.80					

Closure Cost Estimate Labor Rates

Project Name: Mathis Quarry - Reclamation Plan
Date of Submittal: April 30, 2020
File Name: 200423_LNA_MathisSRCE_Version_1_4_1_017_NVb.xism
Model Version: Version 1.4.1

Cost Data: User Data
Cost Data File: SRCE_Cost_Data_File_1_12_Std_2019.xism
Cost Estimate Type: Surety
Cost Basis; Northern Nevada

Color Code Key	
User Input - Oirect Input	Direct Input
User Input - Pull Down List	Pull Down Selection
Program Constant (can averride)	Atternate Input
Program Calculated Value	Locked Cell - Formula or Reference

Cost Basis/Project Region	Northern Nevada	Churchill, Dougle	s, Elko, Euraka, Humboldt, Lander, Lyon, Mineral, Pershing, Storey, Washoe, and White Pine Counties
Power Equipment Operators	0-50 miles	\$0.00	
Truck Drivers	0-50 miles	\$0.00	
Laborers	0-50 miles	\$0.00	
NDIRECT COSTS			
Unemployment (%)	3.00%		
Retirement/SS/Medicare (%)	7.05%		
Workman's Compensation (%)	8.90%		
Other Indirects			
State Payroll Tax (13),(15),(17),(1			

Total Other Indirects	0.00%		-							
HOURLY LABOR RATE	TABLE									
H-120 (fits 325)										
H-160 (fits 345)										
H-180 (fits 365/385)										
Demolition Shears							40	-		
8340 (fits 322/325/330)										
8365 (fits 330/345)	1									
\$390 (fits 365/385)				-						
Demolition Grappies					1-1-1-11					
G315 (fits 322/325)					-					
G320 (fils 325/330)	1									
G330 (fits 345/365)	1						-			
Other Equipment										
420D 4WD Backhoe		\$38.37	\$0.00	\$38.37	\$24.60	\$1.15	\$2.94	\$3,41	\$0.00	\$70
428D 4WD Backhoe	55 Teles (1997)	\$38.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70
CS533E Vibratory Roller		\$36.92	\$0.00	\$36.92	\$24.80	\$1.11	\$2.82	\$3.29	\$0.00	\$66
CS633E Vibratory Roller			The same of the sa		\$24.80	A				
CP533E Sheepsfoot Compactor	A STATE OF THE PARTY OF THE PAR				\$24.80					
CP633E Sheepsfoot Compactor					\$24.80		76.50			-
Light Truck - 1.5 Ton	Section 19 to 19 t			-	\$34.80					
Supervisor's Truck					\$24.80					
Finited Truck					\$24.80					
Air Compressor + tools		\$35.46	\$0.00	\$35.46	\$24.90	\$1.08	\$2.71	\$3.16	\$0.00	\$67
Welding Equipment	Control of the last of the las	\$38.37	\$0.00	\$38.37	\$24.80	\$1.15	\$2.94	\$3.41	\$0.00	\$70
Heavy Duty Drill Rig	Control of the Contro	\$37.51	\$0.00	\$37.51	\$24.80	\$1.13	\$2.57	\$3.34	\$0.00	\$69
Pump (plugging) Drill Rig		\$37.51	\$0.00	\$37.51	\$24.80	\$1.13	\$2.87	\$3.34	\$0.00	569
Concrete Pump	No. of the last of	-			\$24.80		202			-
Gas Engine Vibrator		\$36,92	\$0.00	\$36 92	\$24.80	\$1.11	\$2.82	\$3.29	\$0.00	\$65
Generator 5KW			-		\$24.80					
HDEP Welder (pipe or liner)			- 229		\$24.80					
5 Ton Crane	100000000000000000000000000000000000000	\$38.37	\$0.00	\$38.37	\$24,80	\$1.15	\$2.94	\$3.41	\$0.00	\$70
20 Ton Crane	personal control of	\$38.37	\$0.00	\$38,37	\$24,80	\$1.15	\$2.94	\$3.41	\$0.00	\$70
50 Ton Crans	Activities to the last of the	\$38.37	\$0.00	\$38.37	\$24,80	\$1.15	\$2.94	\$3.41	\$0.00	\$70
120 Ton Crane	CONTRACTOR OF THE PARTY OF				\$24.80					
(2) Responsed Operator Source	Categorier model or equivalent, D-6 MV201900027/5/2019 From Weathor Co. Countrous									
ruck Drivers (\$/hr) (4)	principal de la constantina della constantina de			-		un de la company		-		
725	huck Driver > 25 yds {	\$31.50	\$0.00	\$31.50	\$4,16	\$0.95	\$2.41	\$2.80	\$0.00	\$41
730	ruck Driver > 25 yds	\$31.50	\$0.00	\$31,50	\$4.16	\$0.95	\$2.41	\$2.80	\$0.00	\$41
735	ruck Driver > 25 yets	\$31.50	\$0.00	\$31.50	84.16	30.95	\$2.41	\$2.80	\$0.00	- 541
740	ruck Driver > 25 yds	\$31.50	\$0.00	\$31.50	\$4,16	\$0.95	\$2.41	\$2.80	\$0.00	\$41
769D	ruck Driver > 25 yds	\$31.50	\$0.00	\$31.50	\$4.18	\$0.95	\$2.41	\$2.80	\$0.00	\$41
773E	A 1905				\$4.16					
777D	ruck Driver > 60 yds	\$31.50	\$0.00	\$31.50	\$4.16	\$0.95	\$2.41	\$2.80	\$0.00	\$41
785C	and the party of the party		14.00	551.56	\$4.16	-				
793C	100				\$4,16					
7978					\$4.15			_		
613E (5,000 gal) Water Wagon	ter Truck > 2,500 get	\$31.50	\$0.00	\$31,50	\$4.16	\$0.95	\$2,41	\$2.80	\$0.00	\$41
621E (8,000 gal) Water Wagon	er Truck > 2,500 gets	\$31.50	\$0.00	\$31.50	\$4.18	\$0.95	\$2,41	32.50	\$0.00	\$41
777D Water Truck	1100X P 2,300 Q84	\$31.00	\$0.00	331.00	\$4.16	94.83	94.71	84.00	84.44	
785C Water Truck	-	-	-		\$4,18					
Dump Truck (10-12 yd3.)	Prack Driver > 8 yds	\$31.50	\$0.00	\$31.50	54.16	\$0.95	52,41	\$2.80	\$0,00	\$41
Domp Hock (10-12 yes)	Tribut Center > 0 yes 4	#4 (13V)	- AUTUR	931.30	94,10	40.00	44.71	44.00	40.00	

Closure Cost Estimate Labor Rates

Project Name: Mathis Quarry - Reclamation Plan
Date of Submittal: April 30, 2020
File Name: 200423_LNA_MathisSRCE_Version_1_4_1_017_NVb.xism
Model Version: Version 1.4.1
Cost Data: User Data
Cost Data File: SRCE_Cost_Data_File_1_12_Std_2019.xism
Cost Estimate Type: Surety

Cost Basis: Northern Nevada

Color Code Key	
User Input - Direct Input	Direct Input
User Input - Pull Down List	Pull Down Selection
Program Constant (can override)	Alternate input
Program Calculated Value	Locked Cell - Formula or Reference

Cost Basis/Project Region	Northern Nevada	Churchill, Dou	iglas, Elko, Euraka, Humboldt, Lander, Lyon, Mineral, Pershing, Storey, Washoe, and White Pine Countles
Power Equipment Operators	0-60 miles	\$0.00	
Truck Drivers	0-80 miles	\$0.00	
Laborers	0-50 miles	\$0.00	
NDIRECT COSTS			
Unemployment (%)	3.00%		
Retirement/SS/Medicare (%)	7.65%	I	
Workman's Compensation (%)	8.90%	į .	
Other Indirects			
State Payroll Tax (13),(15),(17),(
Total Other Indirects	0.00%		

Total Other Indirects	9.00%									
HOURLY LABOR RATE 1	TABLE									*
NOTES:										
(4) Truck Driver Source	-8 SUNV2014-014 M/S/2	016			T-100					
(5) Zone Basis:	From Washon Co, Courts	0.00	1		DWD.					
Laborers (\$/hr) (6,7)	111000		Jen Miles		100					
		The same and	22.44	A14 (4)	A15.48T	An mal	a. eel	00.00	eo eol	240
General Laborer	Group 1	\$25.45	\$0.00	\$25.45	\$10.56	\$0.76	\$1.95	\$2.27	\$0.00	\$40.
Skilled Laborer	Group 4	\$25.95	\$0.00	\$25.95	\$10.66	\$0.78	\$1.99 \$1.97	\$2.31 \$2.29	\$0.00	541 541
Driller's Helper	Group 3	\$25.70	\$0.00		\$10.58	\$0.76	\$1.95	\$2.27		\$40
Rodmen (reinforcing concrete)	Group 1	\$25.45	\$4.00	\$25.45	\$10.56	\$0.77	\$1.97	\$2.29	\$0.00	841.
Cernent finisher	Group 3	\$25.70	\$0.00	\$25.70 \$38.73	\$10,55	\$1.16	\$2.96	\$3.45	\$0.00	\$60
Carpenter		330.13	30.001	830 /3	314,29	\$1.10]	32.90	\$3.43	30.00	agu.
OTES:										
(8) Laborer Source:	3-8 SUNV2011-005 TON	2010								
(7) Carpenter Source	-8 Projected from South	en Nevada								
(8) Zone Besis:	rom Washoe Co, County	(UM)								
Project Management and	Technical La	bor (\$/hr) (9)								
Project Manager		\$74.61	$\overline{}$	\$74.81	\$10.58	\$2.24	\$5.72	\$6.66	\$0.00	\$100
Foreman		\$69.19		369 19	\$10.56	\$2.08	\$5.29	\$6.15	\$0.00	\$93.
Field Geologist/Engineer		\$132.85		\$132.65	\$10.58	\$3.99	\$10.16	\$11.82	\$0.00	\$169.
Field Tech/Sampler		\$105.45		\$108.45	\$10.56	\$3.25	\$8.30	\$9.65	\$0.00	\$140.
Range Scientist		\$121.10		\$121.10	\$10,58	\$3.63	19.26	\$10.78	\$0.00	\$155.
Senior Planning Engineer		414 1.10			\$10.58			510.15	-	0100.
Project Engineer					\$10,56		-			
Mechanic/Fitter					\$10.56		-		-	_
my miner inter					\$10.56				10 To 10 To 10	
					\$10.56					
			_		\$10.56					
- 0 q					\$10.56				- 4	
			$\overline{}$		710.00					
			- 0		00000000					
										-
								Salara de la Companya		
NOTES:										
(9) Project Manager:	8 Moore 2019 G2 (01 3	1 1320 0200 Total Incl 0	AP-12% Advanced	for Elko, NV						
(9) Foreman Bourge	L&Moore 2019 G2 (01 S	1 1320 5205 Total Incl C	4-10%) Aquation	No Clini, NV						
(9) Techical Labor Bource	Fix Consuling 2019 (Tot	Hol CAP-(CN) Admi	and for Zoron, Test for	of the						
Other Labor Source				1000						
Other Labor Source					-					
†Additional User Markups			-							
(These are added by the user to the										
base rate to account for site-scients.				-	- 35					
conditions of comorals requirements										

Project Name: Mathis Quarry - Reclamation Plan

Date of Submittal: April 30, 2020

File Name: 200423_LNA_MathisSRCE_Version_1_4_1_017_NVb.xlsm

Model Version: Version 1.4.1

Cost Data: User Data

Cost Data File: SRCE_Cost_Data_File_1_12_Std_2019.xlsm
Monthly Rental Basis: 180 hrs month

EQUIPMENT TYPE (1)	Monthly Owner/Rental Rate	Equipment Hourly Rate	Fuel/Lube/ Wear	Total Rate
Buildozers				
D6R	\$10,400.00	\$65.00	\$28.89	\$93.8
D6R w/ Winch			\$16.44	\$16.4
D7R	\$11,350.00	\$70.94	\$32.18	\$103.1
D8R	\$21,600.00	\$135.00	\$43.19	\$178.1
D9R	\$26,100.00	\$163.13	\$61.52	\$224.6
D10R	\$40,000.00	\$250.00	\$79.01	\$329.0
D11R	\$84,000.00	\$400.00	\$115.46	\$515.4
Wheeled Dozers				
824G			\$28.27	\$28.2
834G			\$33.14	\$33.1
844			\$39.45	\$39.4
854G			\$49.97	\$49.9
Motor Graders				
120H	\$9,600.00	\$60.00	\$30.82	\$90.8
14G/H	\$13,500.00	\$84.38	\$45.17	\$129.5
16G/H	\$21,000.00	\$131.25	\$56.44	\$187.6
24M			\$40.77	\$40.7
Track Excavators	100700			
312C	\$5,275.00	\$32.97	\$13.10	\$46.6
320C	\$5,955.00	\$37.22	\$21.94	\$59.1
325C	\$8,350.00	\$52.19	\$27.66	\$79.8
330C	\$10,800.00	\$67.50	\$33.47	\$100.9
345B	\$14,280.00	\$89.25	\$41.80	\$131.0
365BL			\$34.72	\$34.7
385BL	\$22,500.00	\$140.63	\$65.46	\$206.0
Scrapers			7	
631G	\$24,800.00	\$155.00	\$68.42	\$223.4
637G	\$35,000.00	\$218.75	\$98.53	\$317.2
Wheeled Loaders				
924G	\$4,500.00	\$28.13	\$18.40	\$46.5
928G	\$5,200.00	\$32.50	\$20.80	\$53.3
950G	\$7,600.00	\$47.50	\$28.58	\$76.0
966G	\$10,900.00	\$68.13	\$37.72	\$105.8
972G	\$13,800.00	\$86.25	\$42.51	\$128.7
980G	\$13,800.00	\$86.25	\$48.09	\$134.3
988G	\$23,000.00	\$143.75	\$68.77	\$212.5
990			\$44.71	\$44.7
992G	\$60,000.00	\$375.00	\$129.34	\$504.3
994D			\$94.68	\$94.6
L2350 Shovels	April 100 Control of the Control of		\$173.58	\$173.5
			807.54	An= -
PC2000			\$97.31	\$97.3
PC3000			\$131.50 \$184.10	\$131.5
PC4000			\$184.10	\$184.1 \$312.9
PC5500 PC6000			\$312.97	\$391.8
Hydraulic Hammers			4201.01	₩00 (,C
H-120 (fits 325)	\$5 700 AS	\$25.02	\$5.57	\$41.2
	\$5,700.00 \$12,000.00	\$35.63	\$10.86	\$85.8
H-160 (fits 345) H-180 (fits 365/385)	\$16,200.00	\$75.00 \$101.25	\$12.87	\$114.1
Demolition Shears	\$ (0,200,00	\$101.20]	9 (2.07	9114.

Project Name: Mathis Quarry - Reclamation Plan

Date of Submittal: April 30, 2020

File Name: 200423_LNA_MathisSRCE_Version_1_4_1_017_NVb.xlsm

Model Version: Version 1.4.1 Cost Data: User Data

S365 (fits 330/345)				\$0.0
S390 (fits 365/385)	-			\$0.0
Demolition Grapples				
G315 (fits 322/325)				\$0.0
G320 (fits 325/330)				\$0 (
G330 (fits 345/365)				\$0.0
Other Equipment				
420D 4WD Backhoe	\$2,650.00	\$16.56	\$16.32	\$32.8
428D 4WD Backhoe	\$3,400.00	\$21.25	\$16.21	\$37.4
CS533E Vibratory Roller	\$8,140.00	\$50.88	\$9.86	\$60.7
CS633E Vibratory Roller			\$12.49	\$12.4
CP533E Sheepsfoot Compactor	The second second		\$9.86	\$9.
CP633E Sheepsfoot Compactor			\$12.49	\$12.4
Light Truck - 1.5 Ton	\$4,158.00	\$25.99	\$4.21	\$30.
Supervisor's Truck	\$2,591.60	\$16.20	\$2.89	\$19.0
Flatbed Truck	\$4,158.00	\$25.99	\$13.80	\$39.7
Air Compressor + tools	\$4,300.58	\$26.88	\$2.63	\$29.5
Welding Equipment	\$2,039.40	\$12.75	\$5.26	\$1B.0
Heavy Duty Drill Rig	\$56,760.00	\$354.75	\$31.56	\$386.3
Pump (plugging) Drill Rig	\$56,760.00	\$354.75	\$26.30	\$381.0
Concrete Pump	\$17,974.00	\$112.34	\$26.30	\$138.6
Gas Engine Vibrator	\$564.96	\$3.53	\$2.63	\$6.1
Generator 5KW	\$711.92	\$4.45	\$3.95	\$8
HDEP Weider (pipe or liner)	\$8,628.40	\$53.93	\$5.26	\$59.
5 Ton Crane	\$5,535.20	\$34.60	\$7.89	\$42.4
20 Ton Crane	\$12,408.00	\$77.55	\$10.52	\$88.0
50 Ton Crane	\$12,408.00	\$77.55	\$12.36	\$89.9
120 Ton Crane			\$13.68	\$13.6
Trucks				
725	\$15,000.00	\$93.75	\$36.71	\$130.4
730	\$15,000.00	\$93,75	\$38.03	\$131.7
735	\$15,000,00	\$93.75	\$51.85	\$145.6
740	\$15,000.00	\$93.75	\$53.00	\$146.7
769D	\$21,000.00	\$131.25	\$41.02	\$172.2
773E	\$33,000.00	\$206.25	\$53.99	\$260.2
777D	\$54,000.00	\$337.50	\$77.02	\$414.
785C			\$63.78	\$63.7
793C			\$109.80	\$109.6
797B			\$154.51	\$154.5
613E (5,000 gal) Water Wagon	\$8,500.00	\$40.63	\$23.86	\$64.4
621E (6,000 gal) Water Wagon	\$11,000.00	\$68.75	\$42.58	\$111.3
777D Water Truck			\$44.05	\$44.0
785C Water Truck		-0	\$63.78	\$63.7
Dump Truck (10-12 yd ³)	\$12,078.00	\$75.49	\$14.66	\$90.
NOTES:				
(1) Power Equipment Sour	DE LA COMPANION DE LA COMPANIO			
	pe: Catepillar model or equivale	nt LeTourneau load	er. Komatsu shovel	s
(3) Drilling Equipment Sour	A CONTRACTOR OF THE PARTY OF TH			
(4) Other Equipment Sour	La contraction of the contractio			
(-) Opini Edubition	Is in tensering I tonail married days			

Closure Cost Estimate Equipment Costs

Project Name: Mathis Quarry - Reclamation Plan Date of Submittal: April 30, 2020

File Name: 200423_LNA_MathisSRCE_Version_1_4_1_017_NVb.xlsm Model Version: Version 1.4.1

Cost Data: User Data

EQUIPMENT TYPE	PM Cost Per Hour ⁽¹⁾	Under carriage or Tires ⁽²⁾	G.E.T Consumption (3)	Fuel Use Rate gal/hr (4)	Cost@ 2.63/gal	Total Hourly Equipment Cost
Bulldozers				The state of the s		
DER	\$7.41	Name - Control	\$5.04	6.25	\$16.44	\$28.89
D6R w/ Winch				6.25	\$16.44	\$16.44
D7R	\$7.41		\$5.04	7.50	\$19.73	\$32.11
D8R	\$7.82		\$9.73	9.75	\$25.64	\$43.19
D9R	\$8.91		\$15.13	14.25	\$37.48	\$61.53
D10R	\$10.49		\$21.18	18.00	\$47.34	\$79.0
D11R	\$14,29		\$31.47	26.50	\$69.70	\$115.4
Wheeled Dozers		1000				-
B24G		\$0.00		10.75	\$28.27	\$28.2
834G		\$0.00		12.60	\$33.14	\$33.14
844		\$0.00		15.00	\$39.45	\$39.49
854G	N 2 18 - 7407 1	\$0.00	A CHARLES AND A CHARLES	19.00	\$49.97	\$49.97
Motor Graders			AND RESIDENCE OF		-	
120H	\$4.50	\$5.36	\$10.44	4.00	\$10.52	\$30.82
14G/H	\$5.61	\$8.03	\$15.09	6.25	\$16.44	\$45.17
16G/H	\$5.86	\$10.24	\$20.61	7.50	\$19.73	\$56.44
24M	1			15.50	\$40.77	\$40.77
Track Excavators						
312C	\$4.23		\$3.93	1.88	\$4.94	\$13,10
320C	\$4.51		\$4.54	4.90	\$12.89	\$21.94
325C	\$4.57		\$5.73	6.60	\$17.36	\$27.66
330C	\$5.60		\$6.30	8.20	\$21.57	\$33.47
345B	\$7.Á7		\$6,45	10.60	\$27.88	\$41.80
365BL	ika edilektari			13.20	\$34.72	\$34,72
385BL	\$6.23		\$13.20	17.50	\$46.03	\$65.46
Scrapers						
631G	\$7.52	\$13.20	\$8.25	15.00	\$39.45	\$68.42
637G	\$12.49	\$13.20	\$10.37	23.75	\$62.46	\$98.53
Wheeled Loaders				"		
924G	\$3.74	\$3.09	\$4.34	2.75	\$7.23	\$18.40
928G	\$4.02	\$3.09	\$4.49	3.50	\$9.21	\$20.60
950G	\$5.00	\$4.71	\$8.35	4.00	\$10.52	\$28.58
966G	\$5.21	\$6.91	\$10.48	5.75	\$15.12	\$37.72
972G	\$5.89	\$6.91	\$13.27	6.25	\$16.44	\$42.51
980G	\$5.89	\$9.20	\$13.27	7.50	\$19.73	\$48.09
988G	\$11.04	\$11.69	\$14.22	12,10	\$31.82	\$68.77
990	1/2			17.00	\$44.71	\$44.71
992G	\$12.23	\$23.97	\$32.65	23.00	\$60.49	\$129,34
994D				36.00	\$94.68	\$94.68
L2350				66.00	\$173.58	\$173.58
Shovels						
PC2000				37.00	\$97.31	\$97.31
PC3000				50.00	\$131.50	\$131.50
PC4000		(a)		70.00	\$184.10	\$184.10
PC5500	(20- الماد الم			119.00	\$312.97	\$312.97
PC8000	=0%		41100	149.00	\$391.87	\$391.67
Hydraulic Hammers						
H-120 (fits 325)	N/A	=	\$5.57			\$5.57
H-160 (fits 345)	N/A		\$10.86			\$10.86
H-180 (fits 365/385)	N/A		\$12.87			\$12.67
Demolition Shears						
\$340 (fits 322/325/330)	N/A	<u> </u>				\$0.0
S365 (fits 330/345)	N/A					\$0.0

Equipment Costs Project Name: Mathis Quarry - Reclamation Plan

Date of Submittal: April 30, 2020

File Name: 200423_LNA_MathisSRCE_Version_1_4_1_017_NVb.xlsm Model Version: Version 1.4.1

Cost Data: User Data

Cost Data File: SRCE_Cost_Data_File_1_12_Std_2019.xlsm

Demolition Grapples						
G315 (fits 322/325)	N/A					\$0.0
G320 (fits 325/330)	N/A	The same	appropriate the second			\$0.0
G330 (fits 345/365)	N/A					\$0.0
Other Equipment						
420D 4WD Backhoe	\$4,18	\$0.78	\$3,49	3.00	\$7.89	\$16.3
428D 4WD Backhoe	\$3.94	\$0.78	\$3.60	3.00	\$7.89	\$16.2
CS533E Vibratory Roller	State		N/A	3.75	\$9.86	\$9.8
CS633E Vibratory Roller			N/A	4.75	\$12.49	\$12.4
CP533E Sheepsfoot Compactor			NA	3.75	\$9.86	\$9.8
CP633E Sheepsfoot Compactor		Co.	N/A	4.75	\$12.49	\$12.4
Light Truck - 1.5 Ton		\$0.26	NA	1.50	\$3.95	\$4.2
Supervisor's Truck		\$0.26	N/A	1.00	\$2.63	\$2.8
Flatbed Truck		\$1,44	NA	4.70	\$12.36	\$13.8
Air Compressor + tools	1		N/A	1.00	\$2.63	\$2.6
Welding Equipment			N/A	2.00	\$5.26	\$5.2
Heavy Duty Drill Rig			N/A	12.00	\$31.56	\$31.5
Pump (plugging) Drill Rig			N/A	10.00	\$26.30	\$26,3
Concrete Pump			N/A	10.00	\$26.30	\$26.3
Gas Engine Vibrator .			N/A	1.00	\$2.63	\$2.6
Generator 5KW			NA	1.50	\$3.95	\$3.9
HDEP Welder (pipe or tiner)			N/A	2.00	\$5.26	\$5.2
5 Ton Crane			N/A	3.00	\$7.89	\$7.8
20 Ton Crane			N/A	4.00	\$10.52	\$10.5
50 Ton Crane			N/A	4.70	\$12.36	\$12.3
120 Ton Crane			N/A	5.20	\$13.68	\$13.6
Trucks						
725	\$7.44	\$13.78	\$3.13	4.70	\$12.36	\$36.7
730	\$7,44	\$13.78	\$3.13	5.20	\$13.68	\$38.0
735	\$7.44	\$21.95	\$3.13	7.35	\$19.33	\$51.8
740	\$7,44	\$23.10	\$3.13	7.35	\$19.33	\$53.0
769D	\$6,14	\$7.05	\$3,50	9.25	\$24.33	\$41.0
773E	\$7.59	\$11.56	\$3.93	11.75	\$30.90	\$53.9
777D	\$10.67	\$17.71	\$4.39	16.75	\$44.05	\$77.0
785C		0000		24.25	\$63.78	\$63.7
793C		11		41.75	\$109.80	\$109.8
797B			and the same of th	58.75	\$154.51	\$154.5
613E (5,000 gal) Water Wagon	\$4.45	\$3.64		6.00	\$15.78	\$23.8
621E (8,000 gal) Water Wagon	\$6.29	\$8.02		10.75	\$28.27	\$42.5
777D Water Truck				16.75	\$44.05	\$44.0
785C Water Truck	7			24.25	\$63.78	\$63.7
Dump Truck (10-12 yd3) (5)	N/A	\$0.98	N/A	5.20	\$13.68	\$14.6
Notes:						
(1) PM Source:	Cashman Equipment Compa	any (July 2019) unles:	noted			
(2) Undercarriage Source:	Purecell Tire Quote: June 20					
(3) G.E.T. Source	Cashman Equipment Compa		noted		-	
(4) Fuel Use Source:	Caterpillar Handbook, Edition			naller vehicles		
, ,	Means Heavy Construction (

Project Name: Mathis Quarry - Reclamation Plan
Date of Submittal: April 30, 2020
File Name: 200423_LNA_MathisSRCE_Version_1_4_1_017_NVb.xism

Equipment Costs

Model Version: Version 1.4.1 Cost Data: User Data

					1.00	
Equipment	Tire Size	# of Tires Per Piece of Equipment	Cost Per Tire	Tire Cost (1)(2)	Life Expectency Hours (Low/Zone A) (3)	Tire Cost per Hour
Bulidozers		7.9 10000				
D6R			N/A			
D6R w/ Winch		- 1	N/A			
D7R			N/A			
D8R			N/A			
D9R		in the second	N/A			
D10R			N/A			tes and
D11R			N/A			
Wheeled Dozers						
824G	29 5R25	4		\$0.00	3,500	\$0.0
834G	35/65-R33	4		\$0.00	3,500	\$0.0
844	45/65-R39	4		\$0.00	3,500	\$0.0
854G	45/65-R45	4		\$0.00	3,500	\$0.0
Motor Graders						
120H	13PR24	6	\$3,126.20	\$18,757.20	3.500	\$5.36
14G/H	20.5R25	6	\$4,685.30	\$28,111.80	3,500	\$8.03
16G/H	23.5R25	6	\$5,974.20	\$35,845.20	3,500	\$10.24
24M	23.5R25	6		\$0.00	3,500	
Track Excavators						
312C			N/A			
320C			NA			
325C		100	N/A			
330C			N/A			
345B			N/A			
365BL			N/A	1-1		
385BL			N/A			
Scrapers				District St.		
631G	37,25R35	4	\$13,202.70	\$52,810.80	4,000	\$13.20
637G	37,25R35	4	\$13,202.70	\$52,810.80	4,000	\$13.20
Wheeled Loaders						
924G	17.5R25	4	\$3,471.10	\$13,884.40	4,500	\$3.09
928G	17.5R25	4	\$3,471.10	\$13,684.40	4,500	\$3.09
950G	26.5R25	4	\$5,300.40	\$21,201.60	4,500	\$4.71
966G	26.5R25	4	\$7,771.60	\$31,086.40	4,500	\$6.91
972G	26.5R25	4	\$7,771.60	\$31,086.40	4,500	\$6.91
980G	29.5R25	4	\$10,355.60	\$41,422.40	4,500	\$9.20
988G	35/65-33	4	\$13,151 10	\$52,604.40	4,500	\$11.69
990	41.25/70-39	4		\$0.00	4,500	
992G	45/65R45	4	\$26,967.62	\$107,870.48	4,500	\$23.97
994D	55/85R57	4		\$0.00	4,500	
L2350	55/85R57	4		\$0.00	4,500	
Shovels				Autoria de la composición della composición dell		
PC2000		100	N/A N/A			
PC3000		100				
PC4000		201	N/A N/A			
PC5500 PC8000			N/A N/A			
Hydraulic Hammers		1	INO		1	All
H-120 (fits 325)			N/A		T	
H-120 (fits 325)			N/A			
H-160 (fits 345) H-180 (fits 365/385)			N/A			
Demolition Shears			IVA		- HERENESE	
S340 (fits 322/325/330)			N/A			

Equipment Costs

Project Name: Mathis Quarry - Reclamation Plan
Date of Submittal: April 30, 2020
File Name: 200423_LNA_MathisSRCE_Version_1_4_1_017_NVb.xlsm

Model Version: Version 1.4.1

Cost Data: User Data

(3) Tire Cost Source:	Purecell Tire Quote: June Caterpillar Handbook, Edi	2019				
(2) Cost Basis:	Total cost for all required					
(1) Unit Cost Basis:	Cost per set					
Notes:		10	4030.40	42,207,00	5,000	20.0
Dump Truck (10-12 yd3)	10700 66	10	\$590.40	\$5,904.00	6,000	\$0.9
785C Water Truck	27.00R49 33.00R51	6		\$0.00	4,000	
621E (8,000 gal) Water Wagon 777D Water Truck	33.25R29	6	410,000.80	\$0.00	5,000	
613E (5.000 gal) Water Wagon	23.5R25	6	\$3,636 27 \$10,688.90	\$64,133.40	8,000	\$8.0
7978	40 00R57	6	#1 020 7 7	\$0.00 \$21,817.62	4,000 6,000	\$3.6
	40 00R57					
785C 793C	33.00R51	6		\$0.00	4,000	
		6	\$14,750.80	\$0.00	4,000	\$17.7
773E 777Đ	24 00R35 27 00R49	6	\$9,637.30 \$14,756.90	\$57,823.80 \$88,541.40	5,000	\$11.5 \$17.7
769D	18.00R33	6	\$7,054 80	\$42,328.80	6,000	\$7.0
740	29.5R25	6	\$7,701.12	\$46,206.72	2,000	\$23.1
735	26,5R25	6	\$7,315,27	\$43,891.62	2,000	\$21.9
730	23.5R25	6	\$4,594.57	\$27,587.42	2,000	\$13.7
725	23 5R25	6	\$4,594.57	\$27,567.42	2,000	\$13.7
Trucks			T -40			-/
120 Ton Crane		6		\$0.00	3,000	
50 Ton Crane		6		\$0.00	3,000	
20 Ton Crane		4		\$0.00	3,000	
5 Ton Crane		4	-	\$0.00	3,000	
HDEP Welder (pipe or liner)		A	N/A	80.00	2 000	
Generator 5KW			N/A		_	
Gas Engine Vibrator			N/A			
Concrete Pump			N/A			
Pump (plugging) Drill Rig		4	No.	\$0.00	3,000	
Heavy Duty Drill Rig	-	4		\$0.00	3,000	
Welding Equipment			N/A			
Air Compressor + tools			NA			
Flatbed Truck		22	196.4	\$4,320,80	3,000	\$1.4
Supervisor's Truck		4	196.4	\$785.60	3,000	\$0.2
Light Truck - 1.5 Ton		4	195.4	\$785.60	3.000	\$0.2
CP633E Sheepsfoot Compactor			N/A			
CP533E Sheepsfoot Compactor			N/A			
CS633E Vibratory Roller	/		N/A			
CS533E Vibratory Roller			N/A			
428D 4WD Backhoe	340/80R18-15.9R28	2	\$1,162.96	\$2,325.92	3,000	\$0.7
420D 4WD Backhoe	340/80R18-19.5LR24	2	\$1,162.96	\$2,325 92	3,000	\$0.7
Other Equipment						-
G330 (fits 345/365)			N/A			
G320 (fits 325/330)			N/A			
G315 (fits 322/325)			N/A			
Demolition Grapples						
\$390 (fits 365/385)			N/A			
			N/A			

Project Name: Mathis Quarry - Reclamation Plan

Date of Submittal: April 30, 2020

File Name: 200423_LNA_MathisSRCE_Version_1_4_1_017_NVb.xlsm

Model Version: Version 1.4.1

Cost Data: User Data

	Seed Mixes		
Seed Mix	Descript	lon	Cost/Acre
None		3	
Mix 1	Basins		\$302.50
Mix 2	Low Hills		\$332.75
Mix 3	Uplands		\$363.00
Mix 4	Riparian or Custom		\$393.25
User Mix 1	Mathis Mix		\$696.42
User Mix 2			
User Mix 3	None -		
User Mix 4	a manufacture and a second		
	Cost/ib	Ibs/Acre	Cost/Acre
User Mix 5 (from Seed Mix sheet)	\$30.28	\$23.00	\$696.42
Notes:			
	Harris and the second		
		On the literature	
	Mülch		Charles In the
Item	Cost/lb	lbs/Acre	Cost/Acre
None			
Straw Mulch	\$0.17	2000	\$338.89
Hydro Mulch	\$0.25		
imber Mulch			
	Items and Items		
Notes:			400
	Granite Seed \$500 per	Ton in 50 lb bag Wo	od (Hydro) Mulch
		WITCH STORY	
<u> </u>	Amendments		
Item	Cost/lb	lbs/Acre	Cost/Acre
None			\$0.00
	\$0.70		40.00
Organic Matter			
Organic Matter Treated Sludge	\$0.70 \$0.59		
Organic Matter Treated Sludge			
Organic Matter Treated Sludge			
None Organic Matter Treated Sludge Chemical			\$0.00

Project Name: Mathis Quarry - Reclamation Plan

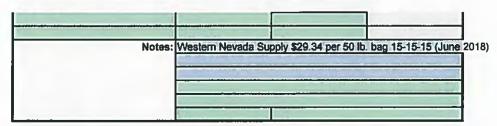
Date of Submittal: April 30, 2020

File Name: 200423_LNA_MathisSRCE_Version_1_4_1_017_NVb.xlsm

Model Version: Version 1.4.1

Cost Data: User Data

Cost Data File: SRCE_Cost_Data_File_1_12_Std_2019.xlsm
Cost Estimate Type: Surety
Cost Basis: Northern Nevada



Well Abandonment Materials							
Description	Cost/50lb bag	Units	Cost/unit*				
Cement	\$7.57	су	\$36.07				
Grout (Low Grade Bentonite)	\$8.65	су	\$41.19				
Inert Material/Cuttings		су					
The second second second	Same of	су					
		су					

(1) Jentech Drilling Supply quote (June 2019) Type I,II Cement at \$14.24 per 94 lb. bag (2) Jentech Drilling Supply (June 2019) 3/8 in. Chunk Bentonite Hole Plug at \$8.65 per 50 lb. bag (5.75 cf/bag at

* Assumes 1 bag mixes with water to make 0.21 y3 or 0.16 m3 of grout/cement slurry.

Monitoring Costs					
Description	Units	Cost/unit			
Monitor Well Pump	ea.	\$2,650.80			
Sampling Supplies	ea.	\$6.19			
Water Analysis (Profile I) (1)	ea.	\$411.00			
Leach Test (MWMP) w/ analysis	ea.	\$483.40			
ABA + S speciation	ea.	\$150.00			
WAD Cyanide in water	ea	\$56.00			
Water Analysis (Profile II) (1)	ea.	\$461.00			
	ea				
6	ea.				
	ea				
	ea				
	ea.	100000000000000000000000000000000000000			
	ea.				
	ea				
E	ea.				
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	en primariani antigrati				
		W			

		Lean Total			
F 20 10					

Project Name: Mathis Quarry - Reclamation Plan

Date of Submittal: April 30, 2020

File Name: 200423_LNA_MathisSRCE_Version_1_4_1_017_NVb.xlsm

Model Version: Version 1.4.1

Cost Data: User Data

Cost Data File: SRCE_Cost_Data_File_1_12_Std_2019.xlsm **Cost Estimate Type: Surety** Cost Basis: Northern Nevada

(1) WET Lab, Reno, Nev	ada (June 2019		
Well pump and Sample s	supply costs adj	usted to 2019	
Original source unknown		The Company of the Co	

Fuel, Etc.		
Description	Units	Cost/unit
Off-road Diesel - delivered (1)	\$/gal	\$2.630
Pickup Truck Mileage	\$/mi	\$0.580
Electical Power	\$/kWh	\$0.079
E		National Land
		<u> </u>

(1) Source: Oil Price Infomration Service, average annual cost including freight to Nevada (July 2019). Source: Federal Government/Vehicle Allowance Rate 2019

Source: NV Energy (July 2019) \$0.07918

Revegetation Method				
	Slopes		and the first	
Disturbance Type	Seed Application Method	Labor Cost/Acre	Equipment Cost/Acre	Total Cost/Acre
Waste Rock Dumps	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Heap Leach	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Tailings	Hand Broadcast	\$140.00	\$50.00	\$190.00
Quarries & Borrow Pits	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
	Flat Areas and Und	fferentiated		
Disturbance Type	Seed Application Method	Labor Cost/Acre	Equipment Cost/Acre	Total Cost/Acre
Exploration Trenches	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Exploration Roads	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Waste Rock Dumps	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Heap Leach	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Tailings	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Quarries & Borrow Pits	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Roads	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Pits	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Haul Material	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Foundations & Buildings	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Sediment & Drainge Control	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Process Ponds	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Landfills	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Yards, Etc.	Mechanical Broadcast	\$100.00	\$38.00	\$138.00
Revegetation Maintenance	Mechanical Broadcast	\$100.00	\$38.00	\$138.00

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Closure Cost Estimate Seed Mixture

Project Name: Mathis Quarry - Reclamation Plan
Date of Submittal: April 30, 2020
File Name: 200423_LNA_MathisSRCE_Version_1_4_1_017_NVb.xism
File Name: Version 1.4.1
Cost Data: User Data
Cost Data: User Data
Cost Data File: SRCE_Cost_Data_File_1_12_Std_2019.xism
Cost Estimate Type: Surety
Cost Estimate Type: Surety

Seed Mixture		The second second				
Соптол Мате	Scientific Name	Species Number of Seeds / lb	Species % in Mix	PLS/acre	CosULb	Cost/Acre
	S. S	Grasses				
Curty Mesquitegrass	Hilarie berlangeri	The Salverton of the Salverton	Section 1997	1.00	00'96	\$95.00
Alkali Sacaton	Sporobolus Airoides	A	Books and the second	200	25.00	\$50.00
Purple Threeaven	Artstide perperne	0.00	1	3,00	40.00	\$120.00
Sideoats Grama	Boutelous curtipenduls	the same of the sa	Samuel and the same of	6.00	16.07	\$90.42
Green Sprangletop	Leptochioe Dubis	The second of the second		3.00	7.00	\$21.00
Blue Grama	Boutelous gracilis	Charles and the second	2	4.00	16.50	\$66.00
Pieins Bristlegrass	Setaria Vulpiseta	Towns of the last	The second second	1.00	8,00	\$8.00
Sand Dropseed	Sporobolus cryptandrus	The state of the s	Contract of the Contract of th	1.00	00'9	00'9\$
			0.00	the state of the s	the court was	
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Desert Maripold	Balleys multiradists	Secretary to the second second second	Section 1	1.00	190.00	\$190.00
	Contract of the second		The second second	The second second	Carlo spinish and	
	STATE OF THE PARTY				STATE OF THE PARTY	
	4	Contract of the last of the la		No. of Concession, Name of Street, or other Persons, Name of Street, or ot		
				Age of the second	2000	
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				The second second	The second second	
					The state of the state of	
	S	Shrubs				The state of the s
Desert Globematiow	Spheraices ambigue	T	The second second	1.00	90.08	\$50.00
		the same and a second	Samuel and other or other			
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Total				\$23.00		\$696.42

Source:

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Supervisor's Truck	s	63	\$	63	\$	*	\$		5	+	\$		1	\$	176	\$	
Ur Compressor + tools	S	79	\$	79	\$	79	\$	-	\$		\$			\$		\$	
Veiding Equipment	15	79	\$	79	\$	79	\$		5	*	\$			\$	1	\$	
Heavy Duty Orlli Rig	1:	397	\$	397	5	•	\$	•	\$		5			\$		\$	
Pump (plugging) Drill Rig	1	402	\$	402	\$	79	\$	•	5		S			\$		\$	
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APPENDIX C NEW MEXICO NOXIOUS WEED LIST

New Mexico Department of Agriculture

Noxious Weed List Update (October 19, 2016)

http://www.nmda.nmsu.edu/wp-content/uploads/2016/11/Weed-List-memo-and-weed-list-2016.pdf

Class A Species

Class A species are currently not present in New Mexico, or have limited distribution. Preventing new infestations of these species and eradicating existing infestations is the highest priority.

Common Name Scientific Name Alfombrilla Drymaria arenariodes Black henbane Hyoscyamus niger Brazillian egeria Egeria densa Camelthorn Alhagi psuedalhagi Canada thistle Cirsium arvense Dalmation toadflax Linaria dalmatica Diffuse knapweed Centaurea diffusa Dyer's woad Isatis tinctorial Giant salvinia Salvinia molesta

Cardaria spp.

Linaria vulgaris

Euphorbia esula Leafy spurge Oxeye daisy Leucanthemum vulgare Purple loosestrife Lythrum salicaria Centaurea calcitrapa Purple starthistle Saccharum ravennae Ravenna grass Scentless chamomile Matricaria perforate Scotch thistle Onopordum acanthium Centaurea biebersteinii Spotted knapweed Yellow starthistle Centaurea solstitialis Yellow toadflax

Class B Species

Hoary cress

Class B Species are limited to portions of the state. In areas with sever infestations, management should be designed to contain the infestation and stop any further spread.

Common Name Scientific Name Peganum harmala African rue Bull thistle Cirsium vulgare Cichorium intybus Chicory Halogeton glomeratus Halogeton Malta starthistle Centaurea melitenis Perennial pepperweed Lepidium latifolium Poison hemlock Conium maculatum

QuackgrassElytrigia repensRussian knapweedAcroptilon repensSpiny cockleburXanthium spinosumTeaselDipsacus fullonum

Class C Species

Class C species are wide-spread in the state. Management decisions for these species should be determined at the local level, based on feasibility of control and level of infestation.

Common NameScientific NameCheatgrassBromus tectorumCurlyleaf pondweedPotamogeton crispusEurasian watermilfoilMyriophyllum spicatumGiant caneArundo donax

Hydrilla Hydrilla verticllata
Jointed goatgrass Aegilops cylindrica
Musk thistle Carduus nutans

Parrotfeather Myriophyllum aquaticum Russian olive Elaeagnus angustifolia

Saltcedar Tamarix spp.
Siberian elm Ulmus pumila
Tree of heaven Ailanthus altissima

Watch List Species

Watch List species are species of concern in the state. These species have the potential to become problematic. More data is needed to determine if these species should be listed. When these species are encountered, please document their location and contact appropriate authorities.

Scientific Name Common Name Crimson fountain grass Pennisetum setaceum Meadow knapweed Centaurea pratensis Myrtle spurge Euphorbia myrsinites Cortaderia sellonana Pampas grass Brassica tournefortii Sahara mustard Zygophyllum fabago L. Syrian beancaper Wall rocket Diplotaxis tenuifolia



