

FINANCIAL ASSURANCE COST ESTIMATE FOR

Permanente Quarry

(Mine Name)

CA Mine ID # 91- 43-0004

Reclamation Plan #/Name Reclamation Plan Amendment for
Permanente Quarry/2250-13-66-10P-10EIR
(M1)

Prepared by: (Name & Affiliation)

EnviroMINE, Inc (consultant for Lehigh Hanson)

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San Diego, CA 92108

Date: October 15, 2021

This financial assurance cost estimate prepared and submitted pursuant to (choose one) :

☐ A new or amended reclamation plan approved on (Date): _____

☒ An annual mine inspection performed on (Date): 9/17/2021

☐ Other: Please Specify: _____

Most Recent Approved Financial Assurance Cost Estimate

August 26, 2020 (revised October

Date: 30, 2020)

Amount: \$ 62,458,227

Amount of existing Financial Assurance Mechanism(s)

Date: Various

Amount: \$ 62,458,227

I. SUPPORTING DOCUMENTS

This estimate represents the cost of conducting and completing reclamation in accordance with the Surface Mining and Reclamation Act (SMARA) and the following supporting documents:

Reclamation Plan Approval Date and Number

June 26, 2012, 2250-13-66-10P-10EIR (M1) (County of Santa Clara)

Permits and/or Environmental Documents Approved as, or Conditional upon, the Reclamation Plan

Site is vested.

Other Agency Financial Assurances Securing Reclamation of Disturbed Lands

N/A

Wage Rates used in Cost Estimate* (cost estimates are required to use current 'General prevailing wage determinations made by the director of industrial relations' where applicable (<http://www.dir.ca.gov/OPRL/PWD/index.htm>) with employer labor surcharge added, or greater)

Department of Industrial Relations, Prevailing Wage Determinations (2021-2)

Equipment Rates used in Cost Estimates* (use current 'Labor Surcharge and Equipment Rental Rates (Cost of Equipment Ownership)' equipment rates published by Caltrans (<http://www.dot.ca.gov/hq/construc/equipmnt.html>) or other publicly available and verifiable local rates)

Caltrans, Labor Surcharge & Equipment Rental Rates (4/1/21-3/31/22)

Equipment Production Rates used in Cost Estimate (Use of current Caterpillar Performance Handbook or equivalent published production rates is required)

Caterpillar Performance Handbook, 37th Edition
RSMeans Site Work & Landscaping Cost Data, Kingston, MA, 2021

**Many mine sites are remote projects that require hours of travel (to and from) and sometimes require additional time to prepare for even the simplest of tasks. In accordance with labor Code Sections 1773.1 and 1773.9, contractors are required to make travel and/or subsistence (per diem) payments to each worker to execute the work. These arrangements can be quite variable and site specific.*

Attachments:

1. Bid from Aggregate Machinery Specialist for Primary Station and conveyor system
2. Backfill Volume Estimate Memo from Stantec Consulting Services, Inc.
3. Bulldozer production rates
4. Scraper production rates for capping site with non-limestone material
5. Compost quote from Z-Best Products
6. Seed quote from Pacific Coast Seed for PCRA
7. Seed quote from Pacific Coast Seed
8. Bid from Freedlun Hydroseeding, Inc. for applying hydroseed
9. Tree/shrub planting rates from RSMeans.
10. Scrap steel quote

II. Description of Current Site Conditions

(i.e., disturbed acres, slope conditions, excavation depths, topsoil and overburden stockpiles, equipment and facilities, reclamation in progress, erosion control status, required corrective actions, etc.)

Current operations at the site include a quarry (Main Pit/North Quarry) that consists of a cut-face with a series of benches and multiple material storage areas – East Material Storage Area (EMSA) and West Material Storage Area (WMSA). Reclamation at the quarry is conducted on an annual basis for areas at final grade and not subject to further disturbance. In 2012, reclamation work commenced in the Permanente Creek Reclamation Area (PCRA), the installation of BMP's and hydroseeding was completed in Subareas 4, 5 and 6. Ongoing surface mining operations include extraction, processing and sales of mined material. The majority of the 639.6-acre RPA footprint is found in a fully disturbed condition with little evidence of vegetative cover. An exception to this includes areas where reclamation has begun or areas that have naturally revegetated. In total, approximately 546 acres are currently disturbed at the site. There is also a rock plant and various pieces of mobile equipment on the site. A cement plant lies adjacent to the site.

III. Description of Anticipated Site Conditions (12 months from date of estimate)

(i.e., increase of disturbed acres, increase of depth, increases in amount of equipment and/or facilities, required corrective actions, etc.)

Surface mining operations to continue within the Main Pit/North Quarry, and mineral processing and sales to continue at the aggregate plant; no new disturbance planned outside of existing operational areas.

IV. Description/Justification of Cost Increase/Decrease

The total cost has increased as a result of substantial increases to the hydroseeding costs from Freedlun Hydroseeding and seed costs from Pacific Coast Seeds.

V. PLANT STRUCTURES AND EQUIPMENT REMOVAL *(use multiple sheets as needed)*

Provide documentation showing that rates, prices, and wages are available locally to all persons, including the lead agency and/or the Department.

Current Site Condition:

At this time, plant removal would involve demolishing and transporting the Rock Plant, including conveyors, crushers, screens, wash plants, scales, storage tanks, and miscellaneous structures to an offsite location. This also includes the removal of the overland conveyor that extends from the Main Pit to the Cement Plant (approx. 8,900 feet). In addition to demolition and removal of these structures, all foundations must be demolished and removed, and compacted surfaces must be ripped to prepare the site for revegetation.

Reclamation Plan Performance Standard (End Use):

At the conclusion of mining operations, all equipment, structures, and other infrastructure improvements will need to be removed from the site.

Describe tasks:

This estimate assumes the use of a crane, excavators with steel shear and grapple attachments, front-end loaders, trucks with low bed trailers, and dump trucks for dismantling and removing the plant equipment and structures. The steel structures will be cut into manageable pieces with an excavator mounted with a steel shear, with pieces placed on an over-the-road truck for removal to a scrap yard for recycling. It is estimated that there is approximately 1,000 tons of recyclable steel onsite. Current market value of scrap steel is \$260 per ton (Alco Metals, San Jose). Other non-recyclable materials will be put into roll-off dumpsters (CDR Dumpster Rental) and hauled off site. Some structures will be dismantled by shearing, cutting using a cutting torch, or simply unbolting the equipment from the support structures prior to demolition. Also, there are currently 30 pieces of mobile equipment (loaders, dozers, trucks, etc.) that would need to be loaded and hauled off site to a resale dealer. This estimate assumes two (2) hours per piece of equipment. Once the equipment is removed, it will be necessary to demolish all concrete footings and foundations. Concrete will be broken up using an excavator and a hydraulic hammer and hauled to a recycling yard. This estimate assumes that there is approximately 2,950 cubic yards of concrete to be demolished and removed from the site. Also, approximately 28,110 linear feet of water pipeline will need to be dismantled and removed from the site.

Equipment on site wholly owned by operator?:

☒ YES

☐ NO

(if no, please provide the name/s and contact information for any lien holder)

Processing Plant, Conveyor, & Support Structure Removal

(↑ Describe Reclamation Activity Being Estimated)

V. PLANT STRUCTURES & EQUIPMENT REMOVAL

Methods to be used:

A. Equipment - List equipment to complete identified task. For large reclamation jobs, separate mine areas.

Equipment	Unit of Measure	\$/Unit	# of Units	Cost (\$)
Grove RT 635 40t Crane	Hours	\$84.35	108.0	\$9,110
CAT 330CL w/ Steel Shear (\$157.21+\$122.01)	Hours	\$279.22	93.0	\$25,967
CAT 330CL w/ Grapple (\$157.21+\$15.67)	Hours	\$172.88	108.0	\$18,671
Semi-truck w/ end dump	Hours	\$84.36	84.0	\$7,086
Semi-truck w/ 2 axle lowboy trailer (\$73.97+\$19.28)	Hours	\$93.25	118.0	\$11,004
CAT 966E Wheel Loader	Hours	\$129.25	108.0	\$13,959
Welding Truck	Hours	\$44.60	120.0	\$5,352
Pickup Truck (2)	Hours	\$25.14	112.0	\$2,816
Total Equipment Cost for this Task =				\$93,965

B. Labor - List all labor categories to complete identified task

Labor Category	\$/Hour (prevailing wage)	Labor Surcharge/Hr (where applicable) (enter % of wage)	# of Hours	Cost (\$)
		0.0%		
Crane Operator (Operating Engineer, Grp. 3-A, Area 1)	\$83.23	\$0.00	108.0	\$8,989
Excavator Operator (2) (Operating Engineer, Grp. 3, Area 1)	\$82.84	\$0.00	201.0	\$16,651
Dump Truck Driver (Teamster, Grp. 3)	\$67.17	\$0.00	84.0	\$5,642
Lowboy Truck Driver (Teamster, Grp. 4)	\$67.52	\$0.00	118.0	\$7,967
Loader Operator (Operating Engineer, Grp. 3, Area 1)	\$82.84	\$0.00	108.0	\$8,947
Foreman (Operating Engineer, Grp. 2, Area 1)	\$84.32	\$0.00	140.0	\$11,805
Laborer (2) (Laborer, Grp. 3, Area 1)	\$60.29	\$0.00	112.0	\$6,752
Welder (4) (Laborer, Const. Specialist, Area 1)	\$61.24	\$0.00	225.0	\$13,779
Total Labor Cost for this Task =				\$80,532

C. Demolition - List all structures and equipment to be dismantled or demolished and removed from site

Structure/Equipment to be removed	Type of Material	Volume/ Quantity	Unit Cost Basis	Disposal Cost	Cost (\$)
Roll-off Trash Containers & Landfill Fees (20 CY)	Mixed	15.00	\$592.00	\$0.00	\$8,880
		0.00	\$0.00	\$0.00	\$0
Total Materials Cost for this Task =					\$8,880

D. Total Direct Cost of Structure and Equipment Removal (Total A+B+C)

Equipment Cost + Labor Cost + Demolition Cost = \$183,377

E. Net Salvage Value* (Supported by properly prepared third party estimate, bid, or cost calculation)

Net Salvage Value = \$ 260,000.00

F. Total Cost of Structure and Equipment Removal (Subtract Line D from Line E)

Total Cost of Structure and Equipment Removal = \$0

NOTE: Above Total Cost will display \$0.00 if net of entered removal costs and salvage value is negative.

*Note: Salvage value may only be used to offset the direct cost of removing the single item for which salvage value is being claimed. Salvage value shall not be used to offset any other demolition, general cleanup, or reclamation costs.

Concrete Breaking and Pipeline Removal

(↑ Describe Reclamation Activity Being Estimated)

V. PLANT STRUCTURES & EQUIPMENT REMOVAL

Methods to be used:

A. Equipment - List equipment to complete identified task. For large reclamation jobs, separate mine areas.

Equipment	Unit of Measure	\$/Unit	# of Units	Cost (\$)
CAT 330CL Excavator w/ Rock Breaker Attachment (\$157.21+\$41.22)	Hours	\$198.43	92.0	\$18,256
CAT 330CL Excavator w/ Bucket	Hours	\$157.21	58.0	\$9,118
CAT 966E Wheel Loader	Hours	\$129.25	16.0	\$2,068
Haul Truck (10)	Hours	\$84.36	268.0	\$22,608
Pickup Truck	Hours	\$25.14	168.0	\$4,224
CAT 966E Wheel Loader (for pipeline removal)	Hours	\$129.25	114.0	\$14,735
Semi-truck w/ 2 axle lowboy trailer (pipeline removal) (\$73.97+\$19.28)	Hours	\$93.25	48.0	\$4,476
Total Equipment Cost for this Task =				\$75,484

B. Labor - List all labor categories to complete identified task

Labor Category	\$/Hour (prevailing wage)	Labor Surcharge/Hr (where applicable) (enter % of wage)	# of Hours	Cost (\$)
		0.0%		
Excavator Operators (2) (Operating Engineer, Grp. 3, Area 1)	\$82.84	\$0.00	150.0	\$12,426
Loader Operator (Operating Engineer, Grp. 3, Area 1)	\$82.84	\$0.00	16.0	\$1,325
Haul Truck Driver (10) (Teamster, Grp. 3)	\$67.17	\$0.00	268.0	\$18,002
Laborer (2) (Laborer, Grp. 3, Area 1)	\$60.29	\$0.00	116.0	\$6,994
Loader Operator (pipeline removal) (Operat. Engineer, Grp. 3, Area 1)	\$82.84	\$0.00	114.0	\$9,444
Lowboy Truck Driver (for pipeline removal) (Teamster, Grp. 4)	\$67.52	\$0.00	48.0	\$3,241
Laborer (4) (for pipeline removal) (Laborer, Grp. 3, Area 1)	\$60.29	\$0.00	114.0	\$6,873
Total Labor Cost for this Task =				\$58,304

C. Demolition - List all structures and equipment to be dismantled or demolished and removed from site

Structure/Equipment to be removed	Type of Material	Volume/ Quantity	Unit Cost Basis	Disposal Cost	Cost (\$)
Recycling Fee	Concrete	175.00	\$82.00	\$0.00	\$14,350
Dump Fee	Pipeline	14.00	\$500.00	\$0.00	\$7,000
Total Materials Cost for this Task =					\$21,350

D. Total Direct Cost of Structure and Equipment Removal (Total A+B+C)

Equipment Cost + Labor Cost + Demolition Cost = \$155,139

E. Net Salvage Value* (Supported by properly prepared third party estimate, bid, or cost calculation)

Net Salvage Value = \$ 0.00

F. Total Cost of Structure and Equipment Removal (Subtract Line D from Line E)

Total Cost of Structure and Equipment Removal = \$155,139

NOTE: Above Total Cost will display \$0.00 if net of entered removal costs and salvage value is negative.

*Note: Salvage value may only be used to offset the direct cost of removing the single item for which salvage value is being claimed. Salvage value shall not be used to offset any other demolition, general cleanup, or reclamation costs.

Mobile Equipment Removal

(↑ Describe Reclamation Activity Being Estimated)

V. PLANT STRUCTURES & EQUIPMENT REMOVAL

Methods to be used:

A. Equipment - List equipment to complete identified task. For large reclamation jobs, separate mine areas.

Equipment	Unit of Measure	\$/Unit	# of Units	Cost (\$)
Semi-Truck w/ 3 axle lowboy to remove the following (\$73.97+\$23.80):	Hours	\$97.70	18.0	\$1,759
216 Skid Steer, 226 Skid Steer, 16G Grader,		\$0.00	0.0	\$0
872GP Grader, Miller 600D Welder, Allmand 695 Lite		\$0.00	0.0	\$0
Towers, Water Trucks		\$0.00	0.0	\$0
		\$0.00	0.0	\$0
Semi-Truck w/ 5 axle lowboy & two pilot cars to remove*:	Hours	\$2,955.00	13.0	\$38,415
992 Loader, 944k Loader, D10 Dozer, 1050K Dozer, 850k		\$0.00	0.0	\$0
Dozer, 824 Dozer, 460 Truck		\$0.00	0.0	\$0

* Based on a lump sum estimate that includes driver. Increased by CPI.

Total Equipment Cost for this Task = \$40,174

B. Labor - List all labor categories to complete identified task

Labor Category	\$/Hour (prevailing wage)	Labor Surcharge/Hr (where applicable) (enter % of wage)	# of Hours	Cost (\$)
Semi-truck Driver (Teamster, Grp. 4)	\$67.52	0.0%	18.0	\$1,215
	\$0.00	\$0.00	0.0	\$0
	\$0.00	\$0.00	0.0	\$0

Total Labor Cost for this Task = \$1,215

C. Demolition - List all structures and equipment to be dismantled or demolished and removed from site

Structure/Equipment to be removed	Type of Material	Volume/ Quantity	Unit Cost Basis	Disposal Cost	Cost (\$)
		0.00	\$0.00	\$0.00	\$0
		0.00	\$0.00	\$0.00	\$0
		0.00	\$0.00	\$0.00	\$0
		0.00	\$0.00	\$0.00	\$0

Total Materials Cost for this Task = \$0

D. Total Direct Cost of Structure and Equipment Removal (Total A+B+C)

Equipment Cost + Labor Cost + Demolition Cost = \$41,389

E. Net Salvage Value* (Supported by properly prepared third party estimate, bid, or cost calculation)

Net Salvage Value = \$ 0.00

F. Total Cost of Structure and Equipment Removal (Subtract Line D from Line E)

Total Cost of Structure and Equipment Removal = \$41,389

NOTE: Above Total Cost will display \$0.00 if net of entered removal costs and salvage value is negative.

*Note: Salvage value may only be used to offset the direct cost of removing the single item for which salvage value is being claimed. Salvage value shall not be used to offset any other demolition, general cleanup, or reclamation costs.

VI. PRIMARY RECLAMATION ACTIVITY : **Backfilling Main Pit**

Use multiple sheets as necessary to estimate the cost of each activity required. Provide documentation showing that rates, prices, and wages are available locally to the lead agency and/or the Department if necessary.

Current Site Conditions:

This estimate's restoration scenario incorporates backfilling of the Main Pit to buttress past instabilities. To accomplish this, the West Materials Storage Area (WMSA) will be used as the primary source of backfill material, since mining byproducts (unused mined material) will not be available. A stockpile located west of the Rock Plant, that contains approximately 300,000 tons of crushed rock, will also be relocated to the main pit. Material used for backfilling is to be amended with organic matter (approximately 63,000 tons). Measures to protect surface water quality during reclamation activities consist of isolating runoff from limestone materials in the Main Pit backfill, WMSA, and EMSA. This will be accomplished during reclamation by capping reclaimed areas with a 1-foot thick layer of run-of-mine non-limestone rock (i.e., greywacke, chert, and greenstone).

Reclamation Plan Performance Standard (End Use):

Reclamation requirements for the site include the development of a benched quarry face with an overall slope gradient of 1H:1V (horizontal: vertical), while the overburden fill slopes will be reclaimed at a maximum overall slope inclination between 2.5H:1V to 2.6H:1V. The proposed end use for the quarry after reclamation is complete is open space.

Describe tasks, methods, equipment, etc:

Decompaction, cut, fill, haul, slope reduction, compaction, grading, topsoil placement, drainage work, soil amendment, special requirements, etc. Separate sheets may be used for each task if necessary.

A conveyor system will be utilized to transport backfill material from the WMSA to the Main Pit and place material directly into the pit. Oversized material will be reduced by a jaw crusher to six (6) inch minus prior to loading onto the conveyor. This estimate assumes the purchase of a crusher, conveyor, and stacking system (See Attachment 1 for cost estimate). Operation and maintenance costs to run the system have been included in the tables below. Stockpiled material near the Rock Plant will be relocated to the Main Pit by using haul trucks that are loaded with a front-end loader. Organic material would be delivered to the WMSA from an offsite source and added to backfill material with a loader. Distribution of non-limestone material for capping will utilize a variety of equipment. A combination of dozers, scrapers, loaders, and haul trucks will be utilized to distribute the non-limestone capping material.

Provide Quantities:

Overburden and topsoil, cut and fill, import or export (cubic yards), area (acres), haul distance (feet), equipment production rates (cubic yards/hour, or as applicable), etc.

After analyzing the existing and proposed topography, the total volume required for backfilling the Main Pit is estimated at 30,532,326 cubic yards (See Attachment 2 for volume estimate memo from Stantec Consulting Services, Inc.). The total backfill volume remains approximately the same as stated in the previous FACE. The conveyor system would extend approximately 10,000 feet to the WMSA. Backfilling of the Main Pit will also include grading of approximately 6,700,000 cubic yards of non-limestone material that has been identified as the "Main Slide." Materials originating from the Main Slide will be removed using a D10 bull dozer (See Attachment 3 for production rates). This estimate assumes production rates of 1,027.5 cubic yards per hour for the D11 bulldozer and 1,380 cubic yards per hour for the conveyor system. To optimize production from the dozers, the conveyor system will be relocated as grading progresses; average push distances will be kept at approximately 300 feet. For stockpiled material near the Rock Plant, a Cat 992 front-end-loader will load the material into haul trucks while a water truck and grader will be utilized to maintain the road network and suppress dust. It is estimated that there is 200,000 cubic yards of stockpiled material (using 1.5 tons per CY). Organic material would be delivered by trucks to the WMSA, near the hopper for the portable conveyor system, and a 938 loader will feed the material into the hopper. Approximately 710,000 cubic yards of non-limestone material will be used for capping reclaimed areas of the site. Caterpillar production rates for a 651 Scraper are provided in Attachment 4.

Backfilling Main Pit

VI. PRIMARY RECLAMATION ACTIVITY

(↑ Describe Reclamation Activity Being Estimated)

Acres:		Overburden (cy):	30,532,326
Haul Distance (ft):	300	Topsoil (cy):	
Production Rate (cy/hr):	1,380 conveyor	(NOTE: no automatic calculations occur to data in this upper table)	

Methods to be used:

A. Equipment - List equipment to complete identified task. For large reclamation jobs, separate mine areas.

Equipment	Unit of Measure	\$/Unit	# of Units	Cost (\$)
Grove RT 525 Crane (for conveyor install)	Hours	\$65.68	200.0	\$13,136
CAT 938G Loader (for conveyor install)	Hours	\$93.25	200.0	\$18,650
CAT 315L Excavator (for conveyor install)	Hours	\$57.90	200.0	\$11,580
Pickup Truck (2) (for conveyor install)	Hours	\$25.14	400.0	\$10,056
42" Conveyor System Over 10,000' (lump sum)*	Hours	\$10,246,880.00	1.0	\$10,246,880
CAT D-10N Dozers (3)	Hours	\$295.23	66375.0	\$19,595,891
CAT D-11N Dozer	Hours	\$461.13	7429.0	\$3,425,735
Water Truck	Hours	\$44.60	7429.0	\$331,333
Conveyor Operation/Maintenance	Hours	\$50.12	22125.0	\$1,108,905
Electricity	Hours	\$30.13	22125.0	\$666,626
CAT 325L Excavator (for relocating conveyor)	Hours	\$105.05	80.0	\$8,404
CAT 988 Loader (for relocating conveyor)	Hours	\$164.68	80.0	\$13,174

Total Equipment Cost for this Task = \$35,450,371

* Total cost of primary station, dust collector, pit conveyor, and stacker described in Attachment 1.

B. Labor - List all labor categories to complete identified tasks

Labor Category	\$/Hour (prevailing wage)	Labor Surcharge/Hr (where applicable) (enter % of wage)	# of Hours	Cost (\$)
		0.0%		
Crane Operator (Operating Engineer, Grp. 3-A, Area 1)	\$83.23	\$0.00	200.0	\$16,646
Loader Operators (2) (Operating Engineer, Grp. 3, Area 1)	\$82.84	\$0.00	280.0	\$23,195
Excavator Operators (2) (Operating Engineer, Grp. 3, Area 1)	\$82.84	\$0.00	280.0	\$23,195
Foreman (Operating Engineer, Grp. 2, Area 1)	\$84.32	\$0.00	200.0	\$16,864
Laborers (2) (Laborer, Grp. 3, Area 1)	\$60.29	\$0.00	400.0	\$24,116
Dozer Operators (4) (Operating Engineer, Grp. 3, Area 1)	\$82.84	\$0.00	73804.0	\$6,113,923
Water Truck Driver (Teamster, Grp. 2)	\$66.87	\$0.00	7429.0	\$496,777

Total Labor Cost for this Task = \$6,714,717

C. Materials - List all materials required to complete identified task

Item	\$/Unit	Sales tax (enter local rate in %)	Quantity	Cost (\$)
		0.0%		
	\$0.00	\$0.00	0.0	\$0

Total Materials Cost for this Task = \$0

D. Total Direct Cost for this task

Equipment Cost + Labor Cost + Materials Cost = \$42,165,088

Stockpile Relocation, Organic Material, Capping

VI. PRIMARY RECLAMATION ACTIVITY

(↑ Describe Reclamation Activity Being Estimated)

Acres:	440	Overburden (cy):	910,000
Haul Distance (ft):		Topsoil (cy):	
Production Rate (cy/hr):	454 (scraper), 520 (truck)	(NOTE: no automatic calculations occur to data in this upper table)	

Methods to be used:

A. Equipment - List equipment to complete identified task. For large reclamation jobs, separate mine areas.

Equipment	Unit of Measure	\$/Unit	# of Units	Cost (\$)
CAT 992C Loader (for stockpile relocation)	Hours	\$451.50	195.0	\$88,043
CAT 777D Haul Trucks (11) (for stockpile reloc., capping)	Hours	\$261.52	2254.0	\$589,466
CAT 12H Blade (for stockpile relocation)	Hours	\$85.85	98.0	\$8,413
CAT 938F Loader (for organic material mixing)	Hours	\$82.48	600.0	\$49,488
CAT 992B Loader (2) (for non-limestone capping)	Hours	\$293.65	314.0	\$92,206
CAT 651B Scraper (4) (for capping)	Hours	\$263.10	608.0	\$159,965
CAT D-10N Dozer (2) (for capping)	Hours	\$295.23	238.0	\$70,265
Water Truck (for stockpile relocation & capping)	Hours	\$44.60	492.0	\$21,943
Total Equipment Cost for this Task =				\$1,079,789

B. Labor - List all labor categories to complete identified tasks

Labor Category	\$/Hour (prevailing wage)	Labor Surcharge/Hr (where applicable) (enter % of wage)	# of Hours	Cost (\$)
		0.0%		
Loader Operators (4) (Operating Engineer, Grp. 3, Area 1)	\$82.84	\$0.00	1109.0	\$91,870
Haul Truck Drivers (11) (Teamster, Grp. 4)	\$67.52	\$0.00	2254.0	\$152,190
Blade Operator (Operating Engineer, Grp. 3, Area 1)	\$82.84	\$0.00	98.0	\$8,118
Scraper Operators (4) (Operating Engineer, Grp. 3, Area 1)	\$82.84	\$0.00	608.0	\$50,367
Dozer Operators (2) (Operating Engineer, Grp. 3, Area 1)	\$82.84	\$0.00	238.0	\$19,716
Water Truck Driver (Teamster, Grp. 2)	\$66.87	\$0.00	492.0	\$32,900
Total Labor Cost for this Task =				\$355,161

C. Materials - List all materials required to complete identified task

Item	\$/Unit	Sales tax (enter local rate in %)	Quantity	Cost (\$)
		0.0%		
Organic Material * (tons)	\$27.75	\$0.00	63,000.0	\$1,748,250
* Cost from Z-Best Products in Gilroy, CA, plus shipping (Attachment 5)	\$0.00	\$0.00	0.0	\$0
Total Materials Cost for this Task =				\$1,748,250

D. Total Direct Cost for this task

Equipment Cost + Labor Cost + Materials Cost = \$3,183,199

Ripping, Finish Grading, BMP Installation

(↑ Describe Reclamation Activity Being Estimated)

VI. PRIMARY RECLAMATION ACTIVITY

Acres:	498	Overburden (cy):	
Haul Distance (ft):		Topsoil (cy):	
Production Rate (cy/hr):	1 acre/hour	(NOTE: no automatic calculations occur to data in this upper table)	

Methods to be used:

A. Equipment - List equipment to complete identified task. For large reclamation jobs, separate mine areas.

Equipment	Unit of Measure	\$/Unit	# of Units	Cost (\$)
Grading with a CAT D-8R Dozer	Hours	\$177.81	498.0	\$88,549
Ripping with a CAT D-8R Dozer (\$177.81+\$16.63)	Hours	\$194.44	7.0	\$1,361
Desiltation Basin Installation (Lump Sum est. plus CPI)	Basin	\$24,776.00	3.0	\$74,328
		\$0.00	0.0	\$0
		\$0.00	0.0	\$0
		\$0.00	0.0	\$0
Total Equipment Cost for this Task =				\$164,238

B. Labor - List all labor categories to complete identified tasks

Labor Category	\$/Hour (prevailing wage)	Labor Surcharge/Hr (where applicable) (enter % of wage)	# of Hours	Cost (\$)
		0.0%		
Dozer Operator (2) (Operating Engineer, Grp. 3, Area 1)	\$82.84	\$0.00	505.0	\$41,834
	\$0.00	\$0.00	0.0	\$0
	\$0.00	\$0.00	0.0	\$0
	\$0.00	\$0.00	0.0	\$0
	\$0.00	\$0.00	0.0	\$0
	\$0.00	\$0.00	0.0	\$0
Total Labor Cost for this Task =				\$41,834

C. Materials - List all materials required to complete identified task

Item	\$/Unit	Sales tax (enter local rate in %)	Quantity	Cost (\$)
		0.0%		
	\$0.00	\$0.00	0.0	\$0
	\$0.00	\$0.00	0.0	\$0
	\$0.00	\$0.00	0.0	\$0
	\$0.00	\$0.00	0.0	\$0
	\$0.00	\$0.00	0.0	\$0
Total Materials Cost for this Task =				\$0

D. Total Direct Cost for this task

Equipment Cost + Labor Cost + Materials Cost = \$206,073

VI. PRIMARY RECLAMATION ACTIVITY **Permanente Creek Reclamation Area**

Use multiple sheets as necessary to estimate the cost of each activity required. Provide documentation showing that rates, prices, and wages are available locally to the lead agency and/or the Department if necessary.

Current Site Conditions:

This section describes the reclamation costs of historic mining disturbance adjacent to Permanente Creek, described as the Permanente Creek Reclamation Area ("PCRA"). The PCRA is divided into seven different subareas (numbered one through seven) with customized reclamation treatments for each subarea. In 2012, after approval of the RPA, reclamation work commenced in Subareas 4, 5 and 6 and was completed in late October. Work completed included installation of BMPs as well as hydroseeding of disturbed areas. In total, approximately nine (9) acres in the PCRA was reclaimed in 2012. In 2016, the application for permitting the restoration work with ACOE and CDFW was submitted and is in process.

Reclamation Plan Performance Standard (End Use):

Removing a concrete half culvert located in the proposed restored stream channel is one aspect of the Permanente Creek Restoration. The concrete half culvert is located just downstream from Pond 13 and covers a length of approximately 375 feet. The reclamation plan also calls for restoration of about 2,500 linear feet of Permanente Creek. Material from historic mining has collected in the creek channel. The reclamation plan calls for removal of this material and creation of a reconfigured creek channel that is roughly 50 feet wide with a 10-foot bottom and 3:1 side slopes. A number of limestone boulders have found their way into Permanente Creek as a result of historic mining operations. These boulders range in size from approximately 10" to 3' in diameter. Once removed from the creek, boulders will be loaded onto off-road haul trucks and hauled to the North Quarry for final placement. After grading work has been completed and prior to revegetating the site temporary and permanent BMPs will be installed to manage stormwater runoff. Lastly, slopes located in Subareas 2 and 3 of the PCRA are comprised of loose unconsolidated fill material. In an effort to reduce erosion from these slopes and to provide more favorable surfaces for seed propagation, the slopes will be compacted.

Describe tasks, methods, equipment, etc:

Decompaction, cut, fill, haul, slope reduction, compaction, grading, topsoil placement, drainage work, soil amendment, special requirements, etc. Separate sheets may be used for each task if necessary.

According to the CAT Handbook, an H120c hydraulic hammer attached to a 315L excavator can demolish approximately 230 cubic yards of reinforced concrete within 8 hours. Once the concrete culvert has been broken into pieces 2-feet in diameter or smaller, the excavator will be used to load the material into haul trucks. Material will be removed from the creek with an excavator, loader, and articulated haul trucks. Small boulders will be removed using hand labor, while larger boulders will be removed with an excavator and/or loader. Construction laborers will install straw wattles and silt fencing to manage stormwater runoff. Slopes located within Subareas 2 and 3 will be compacted with a D8 dozer, towing a sheep's foot, that is moved up and down the slopes by a winch.

Provide Quantities:

Overburden and topsoil, cut and fill, import or export (cubic yards), area (acres), haul distance (feet), equipment production rates (cubic yards/hour, or as applicable), etc.

It is estimated that approximately 130 cubic yards of concrete will need to be demolished and removed to complete removing the concrete half culvert. There is an estimated 17,500 cubic yards of material that will be removed from the channel to create the reconfigured channel. This estimate also assumes that 200 boulders are located within the inundation limits of Permanente Creek.

PCRA Culvert/Boulder Removal, Grading, BMPs

VI. PRIMARY RECLAMATION ACTIVITY

(↑ Describe Reclamation Activity Being Estimated)

Acres:		Overburden (cy):	17,500 (in PC Channel)
Haul Distance (ft):		Topsoil (cy):	
Production Rate (cy/hr):		(NOTE: no automatic calculations occur to data in this upper table)	

Methods to be used:

A. Equipment - List equipment to complete identified task. For large reclamation jobs, separate mine areas.

Equipment	Unit of Measure	\$/Unit	# of Units	Cost (\$)
CAT 315L Excavator w/ Rock Breaker Attach. (\$57.90+\$24.96)	Hours	\$82.86	6.0	\$497
CAT 315L Excavator w/ bucket (culvert removal)	Hours	\$57.90	2.0	\$116
Haul Truck (4) (culvert removal)	Hours	\$84.36	12.0	\$1,012
CAT 330BL Excavator (channel restoration/boulder removal)	Hours	\$144.81	174.0	\$25,197
CAT 966F Loader (channel restoration/boulder removal)	Hours	\$132.07	148.0	\$19,546
CAT 740 Articulated Haul Truck (channel/boulder removal)	Hours	\$116.15	154.0	\$17,887
Desiltation Basin Installation (Lump Sum est. plus CPI)	Basin	\$24,776.00	2.0	\$49,552
CAT D-8R Dozer w/ Winch (for slope treatment)	Hours	\$177.81	16.0	\$2,845
Sheep's Foot Attachment (for slope treatment)	Hours	\$14.02	16.0	\$224
Pick Up Truck	Hours	\$25.14	40.0	\$1,006
Total Equipment Cost for this Task =				\$117,883

B. Labor - List all labor categories to complete identified tasks

Labor Category	\$/Hour (prevailing wage)	Labor Surcharge/Hr (where applicable) (enter % of wage)	# of Hours	Cost (\$)
		0.0%		
Excavator Operators (4) (Operating Engineer, Grp. 3, Area 1)	\$82.84	\$0.00	182.0	\$15,077
Haul Truck Drivers (4) (Teamster, Grp. 4)	\$67.52	\$0.00	12.0	\$810
Loader Operators (2) (Operating Engineer, Grp. 3, Area 1)	\$82.84	\$0.00	148.0	\$12,260
Articulated Haul Truck Drivers (3) (Teamster, Grp. 4)	\$67.52	\$0.00	154.0	\$10,398
Dozer Operator (Operating Engineer, Grp. 3, Area 1)	\$82.84	\$0.00	16.0	\$1,325
Foreman (Operating Engineer, Grp. 2, Area 1)	\$84.32	\$0.00	8.0	\$675
Laborers (7) (Laborer, Grp. 3, Area 1)	\$60.29	\$0.00	284.0	\$17,122
Total Labor Cost for this Task =				\$57,668

C. Materials - List all materials required to complete identified task

Item	\$/Unit	Sales tax (enter local rate in %)	Quantity	Cost (\$)
		0.0%		
Concrete Recycling Fee (loads)	\$82.00	\$0.00	8.0	\$656
Straw Waddles*	\$4.34	\$0.00	37,600.0	\$163,184
Silt Fencing*	\$3.43	\$0.00	3,450.0	\$11,834
	\$0.00	\$0.00	0.0	\$0
*RSMeans Site Work & Landscaping Cost Data, 2021	\$0.00	\$0.00	0.0	\$0
Total Materials Cost for this Task =				\$175,674

D. Total Direct Cost for this task

Equipment Cost + Labor Cost + Materials Cost = \$351,224

VII. REVEGETATION *(use multiple sheets as needed)*

Provide documentation showing that rates, prices, and wages are available locally to the lead agency and/or the Department.

Current Site Condition:

After final grading is completed, disturbed areas of the site will be revegetated with seed mixes and container stock to achieve the goals of the reclamation plan. Previous restoration planting at the Quarry has been used as a guide for revegetation planning. These revegetated areas will serve as a basis for anticipated revegetation success. Native species common in revegetated areas include California buckwheat, coyote brush, buckbrush and sagebrush. At this time, 13.7 acres of hydroseeding would be necessary within the PCRA and 502 acres of hydroseeding would be required on the remaining areas of the site. An additional 1.5 acres of the PCRA and 28 of the remaining reclamation area will require hand planting of container stock.

Reclamation Plan Performance Standard (End Use):

The goal for revegetation efforts is native community restoration. This refers to the reclamation of disturbed lands to a self-sustaining community of native species which would visually integrate with surrounding lands. Revegetation is designed to control erosion and stabilize slopes against long-term erosion using plant materials capable of self-regeneration without continued dependence on irrigation, soil amendments or fertilizer.

Describe Tasks:

Prior to revegetation, growth medium will be applied to approximately 498 acres of the site. Of the 498 acres that will receive growth medium, a thickness of six inches of topsoil will be distributed over 28 acres of the site and a thickness of three inches of topsoil will be distributed over 470 acres for a total volume of 212,152 CY. To transport the material around the site, a team of off-road haul trucks will be utilized and D-8 dozer will be used to spread the material. A dozer is preferred to distribute the topsoil over a wheel type tractor because its track impressions will imprint final slopes to retain seeds and increase water retention and infiltration, thereby increasing the potential for revegetative success. Using mechanical hydroseeding equipment, areas will be seeded, mulched, and composted in a single application. A hydromulch mix will contain compost, organic mulch, fertilizer and the seed mix. See Attachments 6 and 7 for seed quotes from Pacific Coast Seed. Freedlun Hydroseeding provided a conservative cost quote for the hydroseed applications (Attachment 8). Planting shrubs and trees will require the efforts of four common laborers and two pickup trucks along with the oversight of a revegetation specialist.

Topsoil Placement and Container Stock Planting

VII. REVEGETATION (use multiple sheets as needed)

Methods to be used:

(↑ Describe Revegetation Activity Being Estimated)

A. Equipment - List equipment to complete identified task. For large reclamation projects, separate mine areas.

Equipment	Unit of Measure	\$/Unit	# of Units	Cost (\$)
CAT 988 Loader (for topsoil placement)	Hours	\$164.58	422.0	\$69,453
CAT 740 Haul Truck (2) (for topsoil placement)	Hours	\$116.15	844.0	\$98,031
Water Truck (for topsoil placement)	Hours	\$44.60	422.0	\$18,821
CAT D8R Dozer (for topsoil placement)	Hours	\$177.81	422.0	\$75,036
Pickup Truck (2) (for planting)	Hours	\$25.14	5656.0	\$142,192
Materials & Labor for planting in PCRA	Plant	\$17.75	2500.0	\$44,375
Total Equipment Cost for this Task =				\$447,907

B. Labor - List all labor categories to complete identified task.

Labor Category	\$/Hour (prevailing wage)	Labor Surcharge /HR (where applicable) (enter % of wage)	# of Hours	Cost (\$)
Loader Operator (Operating Engineer, Grp. 3, Area 1)	\$82.84	0.0%	422.0	\$34,958
Haul Truck Drivers (2) (Teamster, Grp. 4)	\$67.52	\$0.00	844.0	\$56,987
Water Truck Driver (Teamster, Grp. 2)	\$66.87	\$0.00	422.0	\$28,219
Dozer Operator (Operating Engineer, Grp. 3, Area 1)	\$82.84	\$0.00	422.0	\$34,958
Laborer (4) (Laborer, Grp. 3, Area 1)- based on RSMeans 29.5 plnt./dy.	\$60.29	\$0.00	11312.0	\$682,000
Revegetation Specialist	\$97.65	\$0.00	120.0	\$11,718
Total Labor Cost for this Task =				\$848,841

C. Materials - List all materials required to complete identified task

Item/Plant Species	Unit of measure	\$/Unit	Sales tax (enter local rate in %)	Quantity	Cost (\$)
Pacific madrone	Container	\$2.30	0.0%	798.0	\$1,835
Grey pine	Container	\$2.73	\$0.00	8,990.0	\$24,543
Coast live oak	Container	\$2.73	\$0.00	824.0	\$2,250
Canyon live oak	Container	\$2.73	\$0.00	824.0	\$2,250
Blue oak	Container	\$2.73	\$0.00	824.0	\$2,250
Valley oak	Container	\$2.73	\$0.00	824.0	\$2,250
Interior live oak	Container	\$2.73	\$0.00	824.0	\$2,250
Mountain mahogany	Container	\$3.34	\$0.00	3,976.0	\$13,280
Toyon	Container	\$1.42	\$0.00	3,976.0	\$5,646
Scrub oak	Container	\$2.30	\$0.00	3,976.0	\$9,145
California coffeeberry	Container	\$1.85	\$0.00	3,976.0	\$7,356
Redberry	Container	\$1.85	\$0.00	3,976.0	\$7,356
Hillside gooseberry	Container	\$1.85	\$0.00	3,976.0	\$7,356
Chaparral currant	Container	\$1.85	\$0.00	3,976.0	\$7,356
Total Materials Cost for this Task =					\$95,119

*Updated by CPI.

D. Total Direct Cost for this task

Equipment Cost + Labor Cost + Materials Cost = \$1,391,867

VII. REVEGETATION (use multiple sheets as needed)

Hydroseeding

(↑ Describe Revegetation Activity Being Estimated)

Methods to be used:

A. Equipment - List equipment to complete identified task. For large reclamation projects, separate mine areas.

Equipment	Unit of Measure	\$/Unit	# of Units	Cost (\$)
Hydroseeding Equipment & Labor(PCRA)(excl. seed cost) ¹	Acre	\$7,850.00	13.7	\$107,545
Hydroseeding Equipment & Labor (remaining areas) ²	Acre	\$1,742.00	502.0	\$874,484
1. Hydroseeding quote from Freedlun Hydroseeding.		\$0.00	0.0	\$0
2. Hydroseeding quote from RSMeans Data (32 92 19.14 0600).		\$0.00	0.0	\$0
Total Equipment Cost for this Task =				\$982,029

B. Labor - List all labor categories to complete identified task.

Labor Category	\$/Hour (prevailing wage)	Labor Surcharge /HR (where applicable) (enter % of wage)	# of Hours	Cost (\$)
	\$0.00	0.0%	0.0	\$0
Total Labor Cost for this Task =				\$0

C. Materials - List all materials required to complete identified task

Item/Plant Species	Unit of measure	\$/Unit	Sales tax (enter local rate in %)	Quantity	Cost (\$)
Artemisia californica	Pounds	\$165.00	0.0%	8,169.0	\$1,347,885
Baccharis pilularis	Pounds	\$60.00	0.0%	10,122.2	\$607,332
Eriogonum fasciculatum	Pounds	\$25.00	0.0%	10,259.2	\$256,480
Salvia leucophylla	Pounds	\$240.00	0.0%	1,004.0	\$240,960
Salvia mellifera	Pounds	\$80.00	0.0%	1,564.9	\$125,192
Achillea millefolium	Pounds	\$64.00	0.0%	1,031.4	\$66,010
Artemisia douglasiana	Pounds	\$130.00	0.0%	530.0	\$68,900
Bromus carinatus	Pounds	\$12.00	0.0%	3,094.2	\$37,130
Elymus glaucus	Pounds	\$30.00	0.0%	3,094.2	\$92,826
Eschscholzia californica	Pounds	\$32.00	0.0%	1,004.0	\$32,128
Heterotheca grandiflora	Pounds	\$160.00	0.0%	515.7	\$82,512
Lotus purshianus	Pounds	\$240.00	0.0%	551.3	\$132,312
Lotus scoparius	Pounds	\$90.00	0.0%	1,004.0	\$90,360
Lupinus nanus	Pounds	\$70.00	0.0%	502.0	\$35,140
Melica californica	Pounds	\$120.00	0.0%	1,004.0	\$120,480
Nassella pulchra	Pounds	\$60.00	0.0%	2,008.0	\$120,480
Poa secunda	Pounds	\$55.00	0.0%	1,004.0	\$55,220
Trifolium willdenovii	Pounds	\$70.00	0.0%	1,004.0	\$70,280
Plantago erecta	Pounds	\$68.00	0.0%	41.4	\$2,815
Sisyrinchium bellum	Pounds	\$120.00	0.0%	19.2	\$2,304
Vulpia microstachys	Pounds	\$36.00	0.0%	137.0	\$4,932
Carex barbarae	Pounds	\$540.00	0.0%	3.0	\$1,620
Carex praegracilis	Pounds	\$360.00	0.0%	3.0	\$1,080
Cyperus eragrostis	Pounds	\$190.00	0.0%	6.0	\$1,140
Hordeum brachyantherum	Pounds	\$60.00	0.0%	18.0	\$1,080
Juncus effusus	Pounds	\$160.00	0.0%	1.0	\$160
Juncus patens	Pounds	\$180.00	0.0%	1.0	\$180
Leymus triticoides	Pounds	\$110.00	0.0%	6.0	\$660
Total Materials Cost for this Task =					\$3,597,598

D. Total Direct Cost for this task

Equipment Cost + Labor Cost + Materials Cost = \$4,579,627

VIII. MISCELLANEOUS COSTS *(use multiple sheets as needed)*

Provide documentation showing that rates, prices, and wages are available locally to all persons, including the lead agency and/or the Department.

Examples of this type of cost may include temporary storage of equipment and materials off site, special one-time permits (i.e. transportation permits for extra wide overweight loads, etc.), decommissioning a process mill (i.e. decontamination of equipment), disposal of warehouse inventories, well abandonment, remediation of fueling and waste oil storage sites, septic system removal, costs to prepare closure and monitoring reports, site security, preserving potable water and maintaining utilities, etc.

Item/Task	Quantity	\$/Unit	Cost (\$)
Water Line Construction (feet)	6,000.0	\$15.64	\$93,840
Power Line Construction (poles)	20.0	\$2,140.00	\$42,800
Removal of Power Lines and Poles (poles)	20.0	\$354.00	\$7,080
Geotechnical Oversight During Backfilling			
Geotechnical Monitoring (Technician) (hours)	5,600.0	\$90.00	\$504,000
Geotechnical Monitoring (Supervision) (hours)	280.0	\$155.00	\$43,400
Final Geotechnical Report (hours)	80.0	\$155.00	\$12,400
Permitting Costs for PCRA (lump sum)	1.0	\$23,361.00	\$23,361
Wetland Delineation (lump sum)	1.0	\$5,631.00	\$5,631
Total Miscellaneous Costs =			\$732,512

IX. MONITORING COSTS

Monitoring Task	\$/Visit	# of Visits/Year	# of Monitoring Years	Cost (\$)
Creek Restoration Monitoring (PCRA – 1 year) (hours)	\$105.00	100.0	1.0	\$10,500
Geologic Monitoring (PCRA – 1 year) (hours)	\$155.00	120.0	1.0	\$18,600
Annual Monitoring (Scientist/Tech)	\$14,984.00	1.0	5.0	\$74,920
Annual Monitoring (Project Manager)	\$1,640.00	1.0	5.0	\$8,200
Geologic Monitoring (Geologist)	\$5,467.00	1.0	5.0	\$27,335
Water Quality Monitoring (QSP)	\$13,800.00	1.0	5.0	\$69,000
Water Quality Monitoring (QSD)	\$5,480.00	1.0	5.0	\$27,400
Report Preparation (Scientist/Tech)	\$5,750.00	1.0	5.0	\$28,750
Report Preparation (Project Manager)	\$1,370.00	1.0	5.0	\$6,850
Annual Weed Control and General Maintenance	\$65,713.00	2.0	5.0	\$657,130
Annual Maintenance of Temporary Stormwater BMPs	\$150,000.00	1.0	5.0	\$750,000
Total Monitoring Costs =				\$1,678,685

X. SUMMARY OF COSTS

This section shall be used to summarize all the cost sheets in one place.

(V) Total of all Plant Structures & Equipment Removal Costs	\$	196,528
(VI) Total of all Primary Reclamation Activities Costs	\$	45,905,584
(VII) Total of all Revegetation Costs	\$	5,971,495
(VII) Total of all Miscellaneous Costs	\$	732,512
(IX) Total of all Monitoring Costs	\$	1,678,685
Total of Direct Costs	\$	54,484,803

XI. SUPERVISION / PROFIT & OVERHEAD / CONTINGENCIES / MOBILIZATION

(A) Supervision (<u>2.4</u>	%)	\$	1,281,641
(B) Profit/Overhead (<u>3.8</u>	%)	\$	2,065,426
(C) Contingencies (<u>2.0</u>	%)	\$	1,089,696
(D) Mobilization (<u>2.0</u>	%)	\$	1,089,696
Total of Indirect Costs			\$	5,526,459
Total of Direct and Indirect Costs			\$	60,011,262
(E) Lead Agency and/or Dept. of Conservation Administrative Costs	<u>5%</u>		\$	3,000,563
Total Estimated Cost of Reclamation			\$	63,011,825

Attachment 1



924 Calle Negocio • Unit A
San Clemente, CA 92673
Phone: (949) 366-3070 • Fax: (949) 366-3069
www.aggregatemachineryspecialist.net

October 19, 2020

Mr. Travis Jokerst
ENVIROMINE INC.
3511 Camino del Rio South, Suite 403
San Diego, CA 92108

SUBJECT: Lehigh Hanson Permanente Plant
QUOTE #: 1020-1103-JFM(1a)

Dear Mr. Jokerst,

Thank you for the opportunity to revise and update our previous quotations of July 12, 2016 and September 7, 2018. At this time we are also revising our cover letter of October 13, 2020. These changes expand on conveyors, the specifications, and important features.

Truck haulage for these grades, anticipated haul distance, operating hours, and environmental issues such as noise, lighting, emissions, increase in labor force and cost, both operating and maintenance.

As originally requested somewhere around 2012, we proposed a conveyor system consisting of four (4) 42" x 2,375' with 300 Hp drive. This system could handle to up to 2,000 Tph in surges and, subject to final elevation. Elevation change was nominal 200' or 50' per unit. This resulted in a conservative range in tonnage and elevation, and a total conveyor length of 9,500'.

If the conveyor length needs to be increased this can be done by adding up to 375' for each conveyor. This results in four units nominal 2,750' or 11,000' run. This will utilize the available 300 Hp per conveyor without over loading.

This equipment has a normal useful life of over 10 years and with reasonable maintenance can be extended almost indefinitely. Conveyors 20 – 25 years old are common and if in reasonable condition resale value is good. The same cannot be said for haulage equipment. The system as described has very heavy mine duty components. Belt speed and tension are well within good design characteristics. The capacity is somewhat dependent on the primary crusher thruput and can operate between 1000 – 2000 Tph. Limiting factors other than capacity will be belt speed, belt tension, and elevation changes. Downhill motor horsepower is the same uphill, due to the braking action. It may be possible to generate power to off set some of the power costs.

As you can see om the report there are significant increases in costs. There is an on-going consolidation of suppliers, reduction in manufacturing and service personnel, less imported components and supplies, and pressure for increased profits.

Additionally, freight costs for shipments into California are increasing in the 20% - 40% range. Regulations, fuel costs, insurance, and permits are increasing with a reduction in competition.

Deliveries are currently 16 – 20 weeks after drawing approval. Approval drawings would be available typically 3 – 4 weeks after receipt and acceptance of an approved purchased document.

Terms are also changing. Typically, one can expect a nominal 20% down payment with order, 25% upon drawing approval, 45% upon notice of readiness to ship, balance 20 Days after shipment.

Invoices EQ20063 and EQ20066 for these services in relation to this project have been forwarded. Note, the terms are Net Due on Receipt.

We trust this meets your requirements and that you will not hesitate in contacting us if any questions arise or changes are required.

Thank you,

AGGREGATE MACHINERY SPECIALIST

John F. Mulligan

Cc: T. O'Neill
J.C. Mulligan

ENVIROMINE
Lehigh Hanson Permanente Reclamation

October 13, 2020

ITEM 1 Primary Station**1. New 40 x 50 Portable Primary Plant** consisting of the following:

Structural steel chassis with blocking supports, crusher discharge hopper, chutes, and all necessary supporting structures.

Deister 60" x 24' Heavy Duty Vibrating Grizzly Feeder complete with mild steel pan, 1/2" thick AR steel pan liner, 10' long step deck AR steel grizzly bar section, and heavy duty coil support springs with pads.

- Dual shaft gear driven vibrating unit with adjustable counterweights, 140 mm oil lubricated bearings, 1/2 HP oil lube system with electric circulating pump and oil reservoir, and drive sheave.
- Variable Frequency, 60 HP, 1800 RPM, totally enclosed, fan cooled, high torque, ball bearing, squirrel cage motor with V-belt drive for motor including motor sheave, bushing for motor sheave, v-belts for standard drive centers, and pivotal motor base

McLanahan or Telsmith Roller Bearing Jaw Crusher complete with fabricated steel frames, manganese steel jaw dies, AR cheek plates, hydraulic locking and unlocking wedge lock mechanism with manual hand pump, toggle beam, fly wheel and crusher sheave.

- Automatic pressure oil lubrication system including 2 HP electric oil pump, oil tank, filter, pressure regulator, by-pass valve, pressure gauge, alarm system.
- Hydraulic toggle relief cylinders controlled by a hydraulic power unit with 20 HP electric driven pump, reservoir, filter, water to oil cooler, relief valve and hydraulic controls.
- V-belt drive for 1200 RPM motor including motor sheave, bushing for motor sheave and v-belts for standard drive centers. (Shaft diameter, length and keyway details must be provided if motor supplied by Customer.)
- V-belt drive guard consisting of guard with mounting bracket for attachment to standard foundations. Guards comply with most safety codes, but may require field modifications to meet specific codes.
- Quad axles and highway towing kit including axles, axle support, air brakes, wheels, tires, kingpin, mud-flaps, and lights with reflectors.
- 250 HP, 1200 RPM, TEFC electric motor with slide-rails.
- 54" x 32'-3" End Discharge Conveyor complete with V-belt and torque arm reducer drive, 20 HP, 1800 RPM, TEFC, 3/60/460 electric motor, drive guard, nip guards, idlers, 3-ply 3/16" x 1/16" conveyor belting, lagged head pulley, self-cleaning tail pulley, skirting with rubber flashing, belt scraper, and backstop.

PRICE:**\$1,250,000.00**

OPTIONS/ACCESSORIES

- A. Self-contained gas engine powered 4-point hydraulic leveling system including 6" bore hydraulic rams with 36" stroke, control valves, hoses, and mounting brackets. Plant must be blocked for operation.

ADD: \$ 34,800.00

- B. Lift off motor starter panel with wiring to plant motors and variable speed control.

ADD: \$ 69,705.00

ITEM 2 Dust Collector**A. DCE Model DLMV 60/15 Type F (H + K11- 15 Hp Integral Fan) Base Model**

- Finish cost: standard finish
- Seal frame assembly (tube sheet): standard –mild steel
- Inserts: mild steel
- Filter bags: Dura-Life™ Polyester
- Control Box with Timer: with solenoids (NEMA 4 ENCL)
- Pressure gauge: Magnehelic
- Motor options: fan rotation
- Compressed air components: piggyback filter and regulator
- Housing assembly (upstands): vertical, unmounted
- Clamp assembly: standard

PRICE: fob Louisville, KY \$ 46,515.00

B. Mounting

Designed to be installed on the discharge conveyor, removed when traveling.

Vertical mounting support, corrugated metal conveyor covers, discharge head box for conveyor.

PRICE: fob Factory \$ 23,220.00

TOTAL: \$ 69,735.00

SUMMARY – Item 1 & 2

Primary	\$1,250,000.00
Leveling Jacks	\$ 34,800.00
Motor Control	\$ 69,705.00
Dust Collector with Mounting	\$ 69,735.00
Subtotal	\$1,424,240.00
Sales Tax (8%)	\$ 113,940.00
Freight, estimated	\$ 125,000.00
TOTAL	\$1,663,180.00

- PRICE:** fob Point of Manufacture **\$1,091,415.00 each**

OPTIONS/ACCESSORIES

TOTAL:	\$7,851,700.00
---------------	-----------------------

ITEM 4 Masaba 42" x 190' Pit Portable Magnum Telescoping StackerConveyor Frame**Main Frame** – 84" Deep engineered truss**Extra Chord Angle** – From tail end to head end undercarriage pinning point.**Counterweight** – On-board design installed in the main frame tail**Stinger Frame** – 66" Deep engineered truss**Stinger Drive** – **MASABA TRACK TECHNOLOGY**. Eliminates danger of cable breakage and uncontrolled roll back - No winch or cable. Conveyor extends to 190' lengthRoad Portability**Tubular Undercarriage** – Hydraulic raise & lower with 30 hp pumping unit**Swing Axle** – Pit portable tandem walking beam axle with dual (8) 385/65D-19.5 tires and wheel**Axle Jacks** – Jacks hydraulically lift conveyor to allow swing axle deployment**Power Travel** – (1) hydraulic drive with #100 chain and sprockets**Towing Eye** – For pit transport**Anchor Pivot Plate** - Maintains tail end during radial travel.Main & Stinger Components**Drives** – Class II head end**Motors** – (2) 60 hp/(2) 50 hp**Gear Reducers** – Dodge TAIL shaft mount with backstop**Capacity** – 1500 TPH based on 100# per cu/ft of material at 18 degrees**Belt Speed** – 450/600 FPM**Head Pulley** – Heavy Duty 18" diameter drum pulley with 3/8" herringbone lagging**Tail Pulley** – Heavy Duty 16" diameter self-cleaning wing type pulley**Take Ups** – Screw type**Belting** – 3-ply 3/16" x 1/16" 330 PIW**Belt Splice** – Flexco mechanical steel fasteners**Belt Scraper** – Martin Pit Viper with Twist Tensioner**Transition Idlers (main)** – CEMA C, Precision, 20 degree, sealed 5" diameter idlers**Troughing Idlers** – CEMA C, Precision, 35 degree, sealed 5" diameter, 4' spacing**Return Idlers** – CEMA C, Precision, sealed 5" return idlers, 10' spacing**Self-Aligning (main)** – (1) CEMA C, Precision, self-aligning idler**Self-Aligning Return (stinger)** – ASGCO Tru-Trainer Return Roll**Hopper** – 6' long hopper with adjustable rubber flashing, radial receiving hopper and rock ledgeControls**Complete Switchgear** - manual operation for extend/retract, raise/lower, axle jacks, start/stop conveyors and main disconnect**PLC** – Manual – electric buttons control. Power travel, conveyor raise and conveyor extension.**Material Flow Sensor** – pauses conveyor movement when material is not presentGeneral Specifications**Guards** – Tail pulley guard, v-belt guard and nip guard on head pulley. We do not warrant that our guards will meet all local codes. It is the responsibility of the end user to have them checked by a local inspector**Steel Shot Blasted****Primer** – (1) coat of 2 part urethane primer**Paint** – (1) coat of 2 part urethane paint**Owner's Manual** – (2) copies for maintenance and parts**PRICE:** fob, South Dakota**\$ 627,975.00**

OPTIONS/ACCESSORIES

A. Remote grease bank for pulley bearings	ADD: \$ 3,700.00
B. Wireless remote control for all manual conveyor functions 1,000 ft. range	ADD: \$ 4,500.00
C. Impact idlers in lieu of steel rolls in load area	ADD: \$ 1,250.00
D. Safety switch, radial travel safety switches	ADD: \$ 1,450.00
E. Dual power travel, 4-wheel drive	ADD: \$ 9,250.00

Total with options:	\$ 648,125.00
Sales Tax (8%)	\$ 51,850.00
Freight, estimated	\$ 32,025.00
TOTAL:	\$ 732,000.00

SUMMATION

Item 1 &2	Primary Station and Dust Control	\$ 1,663,180.00
Item 3	Conveyors (4)	\$ 7,851,700.00
Item 4	Pit Stacker	\$ 732,000.00
TOTAL		\$10,246,880.00

Freights are based on current freight estimates and would be invoiced at our actual cost. Sales tax is quoted at current rate and would be adjusted to appropriate rate at time of invoice. Terms to be agreed upon.

J.F. Mulligan
October 13, 2020

Attachment 2

To:	Talia Flagan Mineral Resource Manager West Region 24001 Stevens Creek Blvd. Cupertino, CA 95014 talia.flagan@LehighHanson.com	From:	Erick Kennedy 5725 Mark Dabling Blvd. Suite 190 Colorado Springs, CO 80919 erick.kennedy@stantec.com
File:	face_memo_08202020	Date:	August 20, 2020

Reference: RPA Reclaim FACE Memo & face_memo_08302019

Stantec was provided a drawing file with contours representing the 2012 approved Reclamation Plan Amendment (RPA) surface. These contours correspond to Figure 3.16-4 Mining and Reclamation Phase 3 / Final Reclamation, created by EnviroMINE Inc December 2011. Stantec was asked to calculate the volume of fill material required to meet this surface to be applied in the cost estimate calculation for an updated FACE (Financial Assurance Cost Estimate). Lehigh has asked Stantec to calculate the volume of fill to move required to achieve their final RPA topography from 'current' topography. The topography used in the updated calculation represents surface conditions on May 30, 2020.

The volume of fill required to achieve the 2012 RPA contours in the area surrounding the "North Quarry In-Pit Fill" is shown in Table 1 below. Figures 1 and 2 show the surfaces to demonstrate the relevant area within the reported volume. The conceptual pit volume on the south side of Permanente Creek was omitted from the analysis. The actual pit bottom was clipped from the provided May 30, 2020 topography surface due to existing water levels. No additional fill volume was added to account for the difference between bottom of the available surface and actual mining dig faces.

Table 1: Fill volume between the starting and ending surface

end surface: 2012 approved reclamation plan topo

start surface: May 30, 2020 topo

Fill volume (end surface above start surface):

824,372,803 cubic feet

30,532,326 cubic yards

The fill volume increased by 686,678 cubic yards over the last year's survey due to mining advancements.

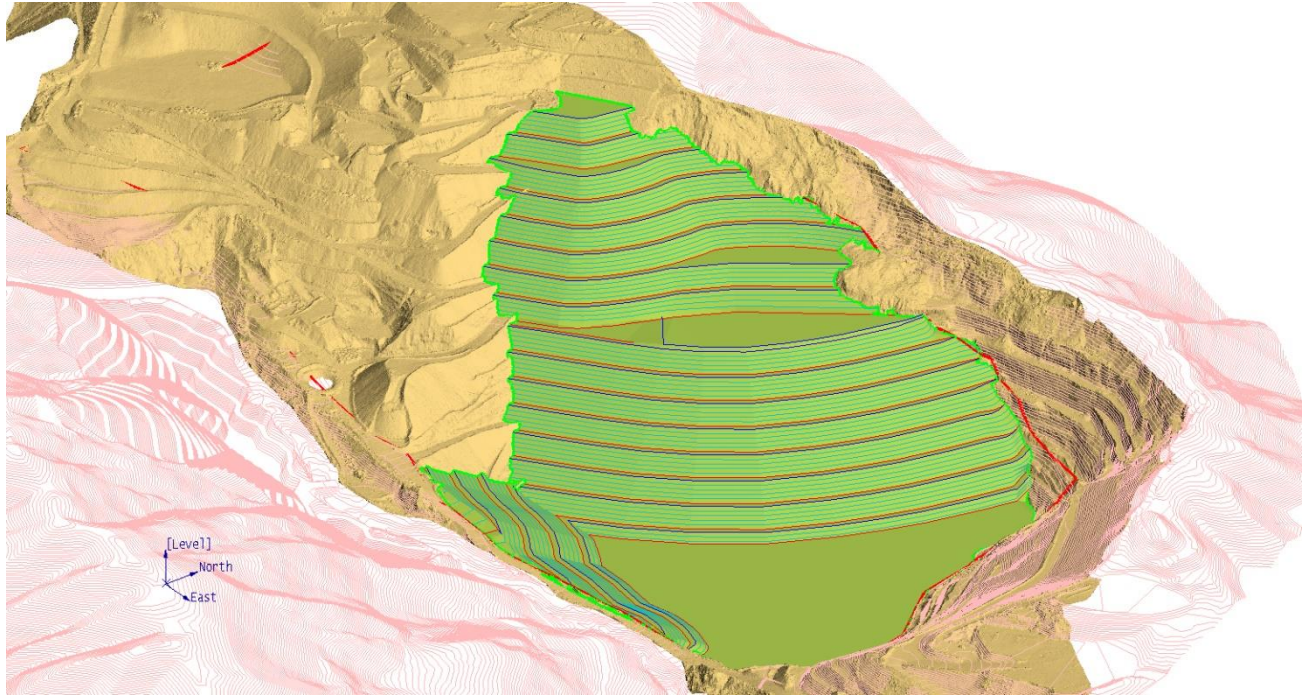
August 20, 2020

Talia Flagan

Page 2 of 3

Reference: RPA Reclaim FACE Memo & face_memo_08302019

Figure 1: 2012 RPA surface (red topo lines with light green surface of relevant area within the North Quarry) with the May 30 2020 topo (tan surface)



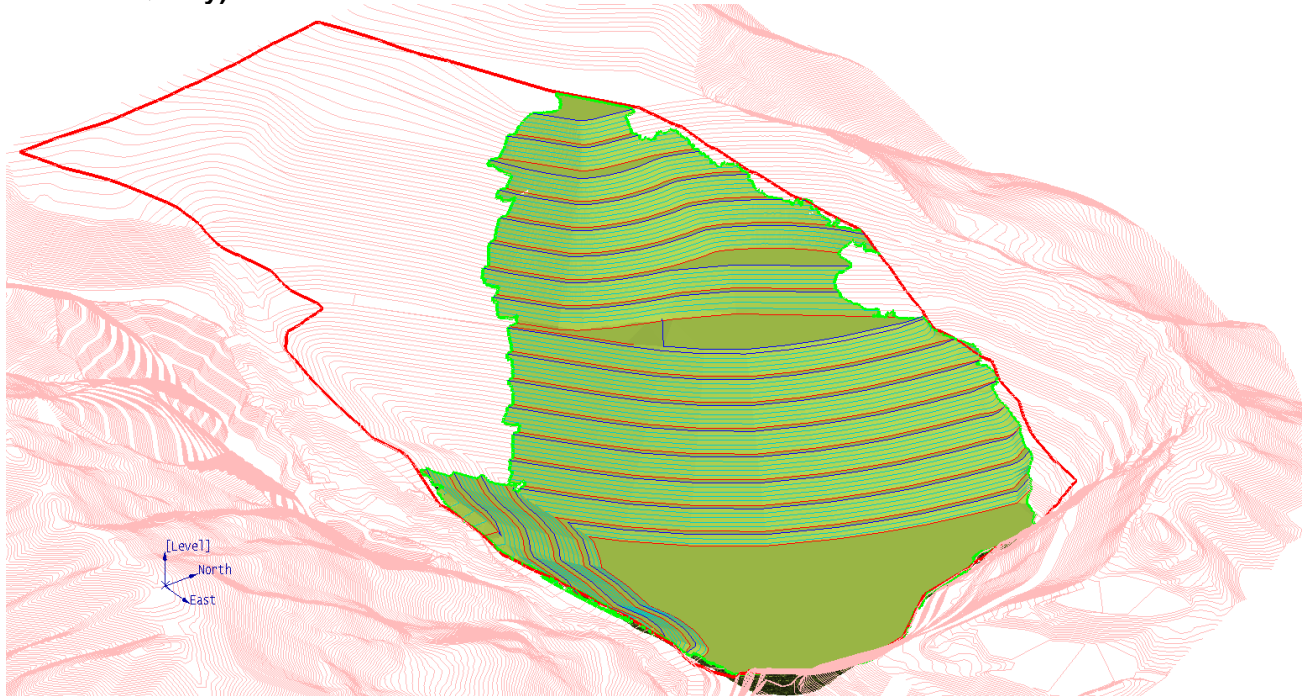
August 20, 2020

Talia Flagan

Page 3 of 3

Reference: RPA Reclaim FACE Memo & face_memo_08302019

Figure 2: 2012 RPA surface (red topo lines with light green surface indicating the relevant area within the North Quarry)



Stantec Consulting Services Inc.

Erick Kennedy

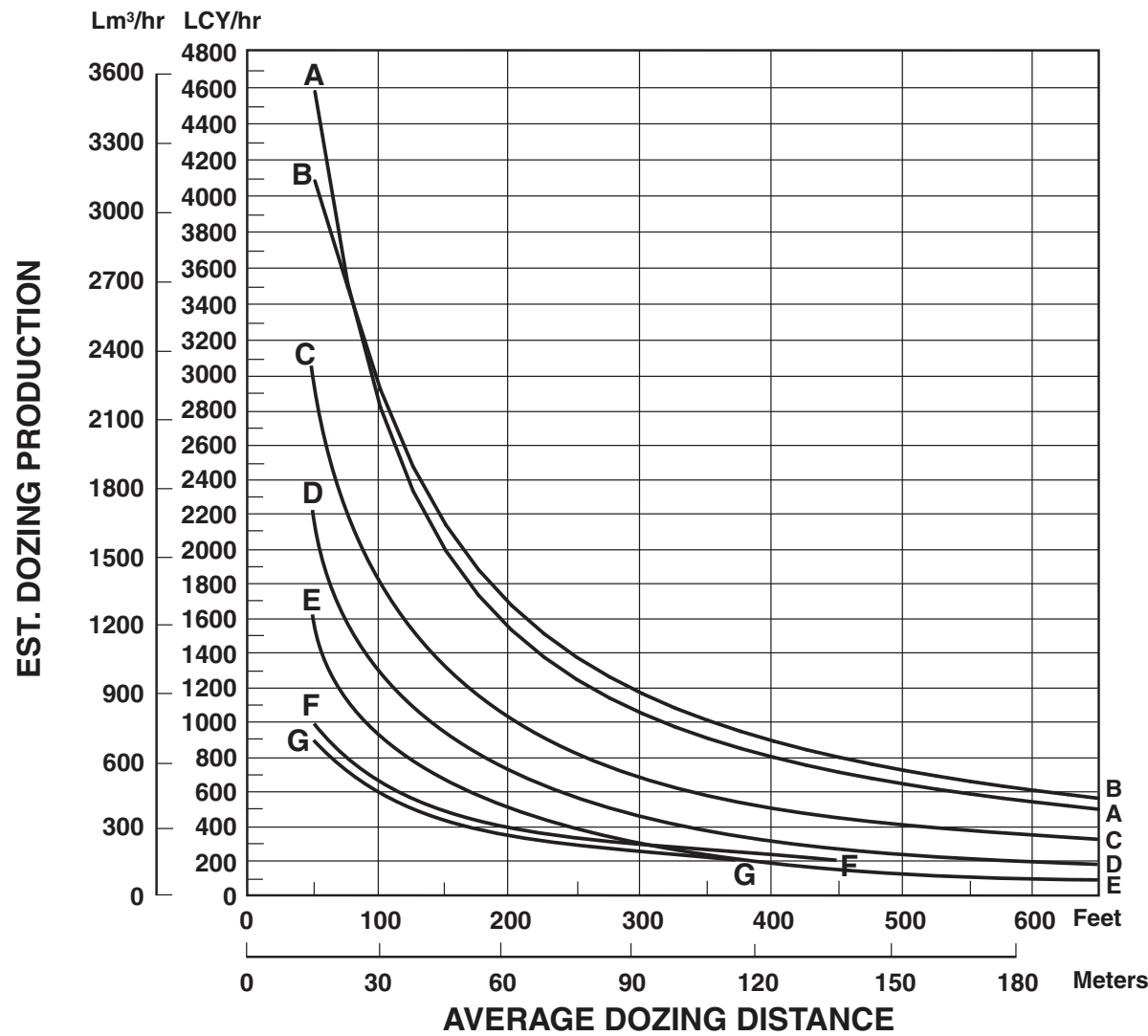
Mine Designer

Phone: (303) 291-2178

erick.kennedy@stantec.com

Attachment 3

ESTIMATED DOZING PRODUCTION ● Universal Blades ● D7G through D11T



- KEY
- A — D11T-11U
 - B — D11T CD
 - C — D10T-10U
 - D — D9R/D9T-9U
 - E — D8R/D8T-8U
 - F — D7R Series 2-7U
 - G — D7G-7U

NOTE: This chart is based on numerous field studies made under varying job conditions. Refer to correction factors following these charts.

Bulldozers

Job Factors Estimating Production Off-The-Job ● Example Problem

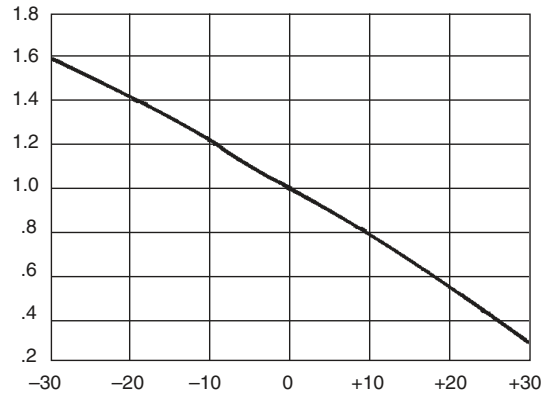
JOB CONDITION CORRECTION FACTORS

	TRACK- TYPE TRACTOR	WHEEL- TYPE TRACTOR
OPERATOR —		
Excellent	1.00	1.00
Average	0.75	0.60
Poor	0.60	0.50
MATERIAL —		
Loose stockpile	1.20	1.20
Hard to cut; frozen —		
with tilt cylinder	0.80	0.75
without tilt cylinder	0.70	—
Hard to drift; “dead” (dry, non-cohesive material) or very sticky material	0.80	0.80
Rock, ripped or blasted	0.60-0.80	—
SLOT DOZING	1.20	1.20
SIDE BY SIDE DOZING	1.15-1.25	1.15-1.25
VISIBILITY —		
Dust, rain, snow, fog or darkness	0.80	0.70
JOB EFFICIENCY —		
50 min/hr	0.83	0.83
40 min/hr	0.67	0.67
BULLDOZER*		
Adjust based on SAE capacity relative to the base blade used in the Estimated Dozing Production graphs.		
GRADES — See following graph.		

*NOTE: Angling blades and cushion blades are not considered production dozing tools. Depending on job conditions, the A-blade and C-blade will average 50-75% of straight blade production.

% Grade vs. Dozing Factor

(-) Downhill
(+) Uphill



ESTIMATING DOZER PRODUCTION OFF-THE-JOB

Example problem:

Determine average hourly production of a D8T/8SU (with tilt cylinder) moving hard-packed clay an average distance of 45 m (150 feet) down a 15% grade, using a slot dozing technique.

Estimated material weight is 1600 kg/Lm³ (2650 lb/LCY). Operator is average. Job efficiency is estimated at 50 min/hr.

Uncorrected Maximum Production — 458 Lm³/h (600 LCY/hr) (example only)

Applicable Correction Factors:

Hard-packed clay is “hard to cut” material -0.80
 Grade correction (from graph)-1.30
 Slot dozing-1.20
 Average operator-0.75
 Job efficiency (50 min/hr)-0.83
 Weight correction(2300/2650)-0.87

$$\begin{aligned}
 \text{Production} &= \text{Maximum Production} \times \text{Correction Factors} \\
 &= (600 \text{ LCY/hr}) (0.80) (1.30) (1.20) \\
 &\quad (0.75) (0.83) (0.87) \\
 &= 405.5 \text{ LCY/hr}
 \end{aligned}$$

To obtain production in metric units, the same procedure is used substituting maximum uncorrected production in Lm³.

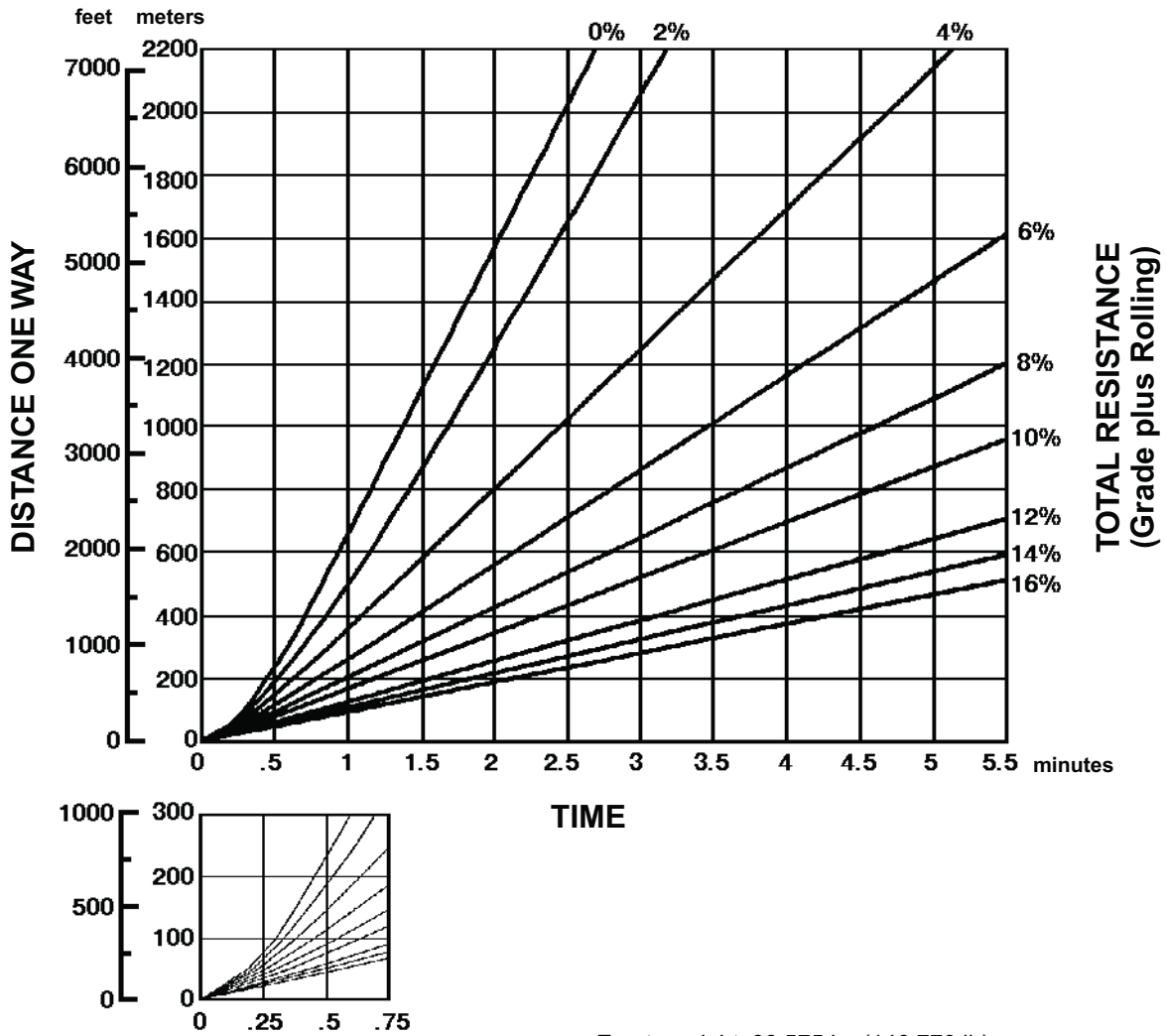
$$\begin{aligned}
 &= 458 \text{ Lm}^3/\text{h} \times \text{Factors} \\
 &= 309.6 \text{ Lm}^3/\text{h}
 \end{aligned}$$

Attachment 4

651E Auger Travel Time — Loaded
 • 40.5/75R39 Tires

Wheel Tractor-Scrapers

LOADED

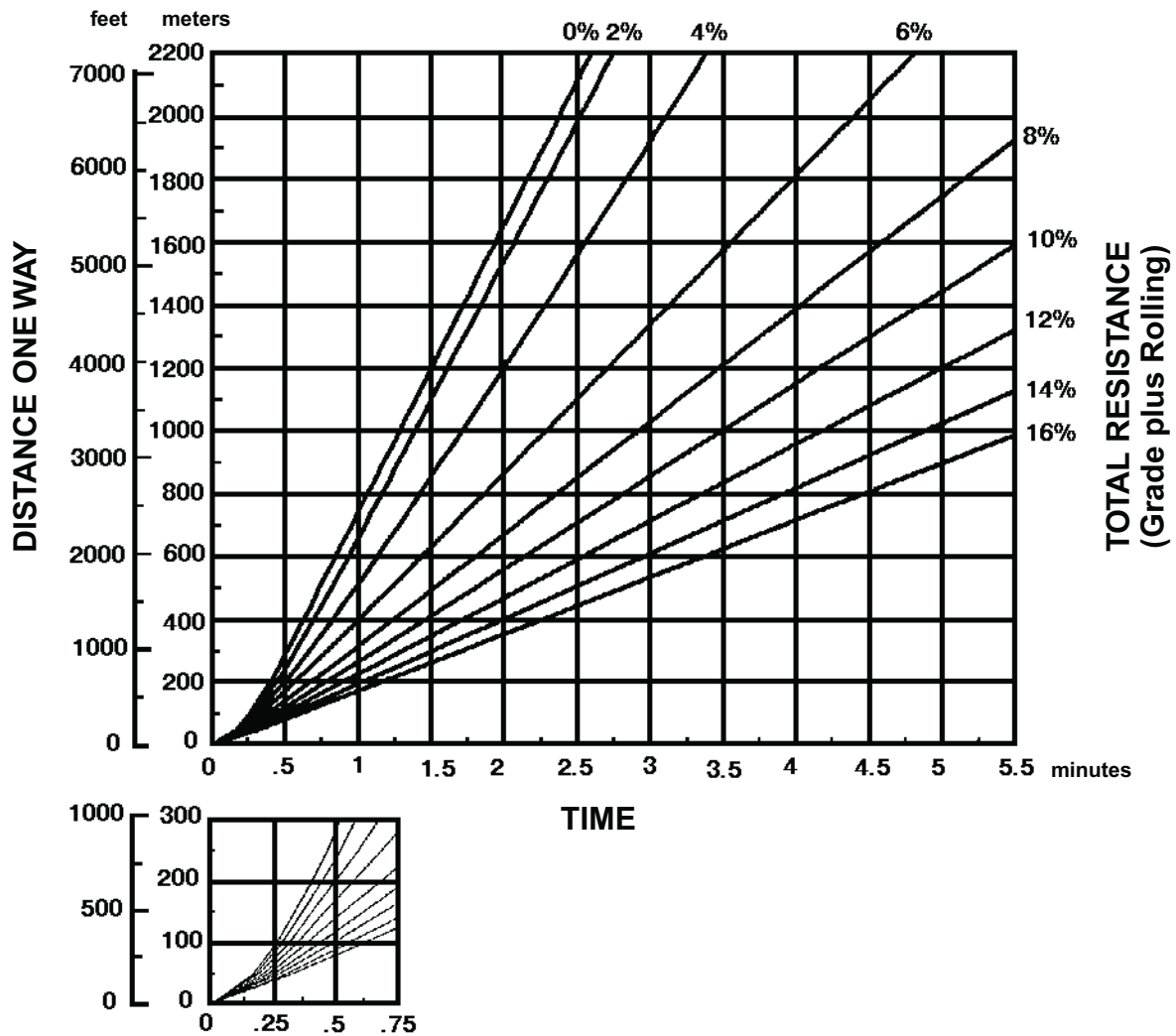


Empty weight: 66 575 kg (146,770 lb)
 Payload: 47 175 kg (104,000 lb)

Wheel Tractor-Scrapers

651E Auger Travel Time — Empty
● 40.5/75R39 Tires

EMPTY



Empty weight: 66 575 kg (146,770 lb)

Attachment 5

980 State Highway 25
Gilroy, CA
[View Map](#)



Questions?
Call or email us.
408 846-1577

ORGANIC COMPOSTS AND MULCHES

[Home](#) » [Z-Best Composting Facility](#) » [Z-Best Products](#) » [Landscape Compost](#)

In this section

- [Home](#)
- [How We Recycle](#)
- [Products](#)
 - [Landscape Compost](#)
- [Certificates & Licenses](#)
- [Location & Hours](#)
- [Contact](#)



Landscape Compost

Landscape Compost is produced from food scraps. Landscape Compost particle size is 1/4" minus and weighs around 900 lbs per cubic yard. Z-Best Landscape Compost conditions soil and improves aeration, drainage, and water and nutrient-holding capacity. Landscape Compost is a helpful addition for heavy clay soils and is an effective pre-plant conditioner for new lawns and gardens.

Please contact us at 408-313-0444 for any questions regarding wholesale purchases of our products.



From: [Beto Ochoa](#)
To: [Kristen Lewis](#)
Subject: Re: Compost Quote
Date: Thursday, September 30, 2021 9:31:51 AM

Hi Kristen,

The cost is the same.

Thank you,

Beto Ochoa
Z-Best Products
980 State Hwy 25
Gilroy, CA 95020
Cell: 408-313-0444
Email: beto@zankerrecycling.com



On Mon, Sep 27, 2021 at 3:42 PM Kristen Lewis <Kristen@enviromineinc.com> wrote:

Hello Beto,

Has the cost for your landscape compost changed from the last 2 years (see attached)?

Thanks,

Kristen Lewis

EnviromINE, Inc

619-952-9619

kristen@enviromineinc.com

From: Beto Ochoa <beto@zankerrecycling.com>
Sent: Thursday, August 20, 2020 11:44 AM

From: [Beto Ochoa](#)
To: [Travis Jokerst](#)
Subject: Re: Compost Quote
Date: Monday, October 07, 2019 12:33:46 PM
Attachments: [image001.png](#)

Hi Travis,

60,000 tons of our cheapest compost (Landscape Compost) = \$27.75/ ton freight and taxes included.

Thank you,

Beto Ochoa
Z-Best Products
980 State Hwy 25
Gilroy, CA 95020
Cell: 408-313-0444
Email: beto@zankerrecycling.com



On Mon, Oct 7, 2019 at 10:00 AM Travis Jokerst <travisj@enviromineinc.com> wrote:

Good Morning Beto,

I'm estimating the cost for reclaiming a mine site in the Cupertino area and this would require about 60,000 tons of organic material for blending with backfill. Can you please send me a quote for your cheapest mulch, including delivery and tax? This work may not happen for several years, so please use an average conversion number from yards to tons (since I don't know what time of year it would be needed). The site is near the intersection of Stevens Creek Boulevard and Foothill Boulevard.

Feel free to call me if you have any questions.

Thank you!

Travis

Attachment 6



Kristen Lewis
 Enviromine, Inc.
 3511 Camino Del Rio South, Suite 403
 San Diego, CA 92108

October 6, 2021

Re: Permanente Quarry Cupertino

Dear Ms. Lewis:

Thank you for contacting Pacific Coast Seed, Inc. as your seed supplier for the above referenced project. We anticipate that we will have the below listed seed in sufficient quantities to seed the ~13.70 acres located in Cupertino, CA. The below items have been priced assuming the seed is provided on a Standard Commercial Quality basis. These items will be mixed and labeled in accordance with California and Federal Seed Laws and consist of the following:

Table 1:

SCIENTIFIC NAME	COMMON NAME	Pounds Per Acre Bulk Seed	Cost Per Pound Bulk Seed
SHRUBS			
<i>Artemisia californica</i>	coastal sagebrush	10	\$165.00
<i>Baccharis pilularis</i>	coyotebrush	6	\$60.00
<i>Eriogonum fasciculatum</i>	Eastern Mojave buckwheat	16	\$25.00
<i>Lotus scoparius</i> (now known as <i>Acmispon glaber</i>)	deer weed	2	\$240.00
<i>Salvia mellifera</i>	black sage	4.3	\$80.00
GRASSES AND HERBS			
<i>Achillea millefolium</i>	common yarrow	2	\$64.00
<i>Artemisia douglasiana</i>	Douglas' sagewort	1.9	\$130.00
<i>Bromus carinatus</i>	California brome	10	\$10.00
<i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i>	winecup clarkia	1	\$45.00
<i>Elymus glaucus</i>	blue wildrye	6	\$30.00
<i>Heterotheca grandiflora</i>	telegraph weed	1	\$160.00
<i>Lotus purshianus</i> (now known as <i>Acmispon americanus</i>)	Spanish Clover	3.6	\$240.00
<i>Plantago erecta</i>	dotseed plantain	3	\$68.00

<i>Sisyrinchium bellum</i>	western blue-eyed grass	1.4	\$120.00
<i>Vulpia microstachys</i>	small fescue	10	\$36.00

Table 2:

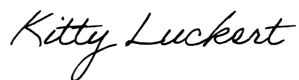
Scientific Name	Common Name	Lb/Acre	Price/Lb
<i>Artemisia douglasiana</i>	mugwort	2	\$165.00
<i>Carex barbarae</i>	valley sedge	3	\$540.00
<i>Carex praegracilis</i>	field sedge	3	\$360.00
<i>Cyperus eragrostis</i>	tall flatsedge	6	\$190.00
<i>Hordeum brachyantherum</i>	meadow barley	18	\$60.00
<i>Juncus effusus</i>	bog rush	1	\$160.00
<i>Juncus patens</i>	common rush	1	\$180.00
<i>Leymus triticoides</i>	creeping wildrye	6	\$110.00
Total		40	

Please provide a purchase order by June 1st on the year preceding that in which the seed purchase is intended. Some items may require extra collections be made in advance to assume supply of the quantities requested.

Thank you again for consulting Pacific Coast Seed, Inc. as your seed supplier for this project. We look forward to working with you on future projects.

Sincerely,

Pacific Coast Seed, Inc



Kitty Luckert
Office Manager

Attachment 7



Kristen Lewis
 Enviromine, Inc.
 3511 Camino Del Rio South, Suite 403
 San Diego, CA 92108

October 6, 2021

Re: Permanente Quarry Cupertino

Dear Ms. Lewis:

Thank you for contacting Pacific Coast Seed, Inc. as your seed supplier for the above referenced project. We anticipate that we will have the below listed seed in sufficient quantities to seed the ~~15.70~~⁵⁰² acres located in Cupertino, CA. The below items have been priced assuming the seed is provided on a Standard Commercial Quality basis. These items will be mixed and labeled in accordance with California and Federal Seed Laws and consist of the following:

Table 1:

SCIENTIFIC NAME	COMMON NAME	Pounds Per Acre Bulk Seed	Cost Per Pound Bulk Seed
SHRUBS			
<i>Artemisia californica</i>	Coastal Sagebrush	16 (8)*	\$165.00
<i>Baccharis pilularis</i>	Coyotebrush	20 (6)*	\$60.00
<i>Eriogonum fasciculatum</i>	California Buckwheat	20 (10)*	\$25.00
<i>Salvia leucophylla</i>	Purple Sage	2*	\$240.00
<i>Salvia mellifera</i>	Black Sage	3	\$80.00
GRASSES AND HERBS			
<i>Achillea millefolium</i>	Common Yarrow	1	\$64.00
<i>Artemisia douglasiana</i>	Douglas' Sagewort	1 (2)*	\$130.00
<i>Bromus carinatus</i>	California Brome	6 (8)	\$12.00
<i>Elymus glaucus</i>	Blue Wildrye	6 (8)	\$30.00
<i>Eschscholzia californica</i>	California poppy	2 (1.5)	\$32.00
<i>Heterotheca grandiflora</i>	Telegraph Weed	1*	\$160.00
<i>Lotus purshianus</i>	Spanish Clover	1 (1.5)	\$240.00
<i>Lotus scoparius</i>	Deerweed	2	\$90.00
<i>Lupinus nanus</i>	Sky Lupine	1 (2)	\$70.00
<i>Melica californica</i>	California Melic	2	\$120.00

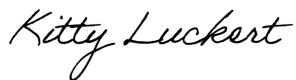
<i>Nasella pulchra</i>	Purple Needlegrass	4	\$60.00
<i>Poa secunda</i>	One-Sided Bluegrass	2	\$55.00
<i>Trifolium willdenovii</i>	Tomcat Clover	2	\$70.00
Total		93	

Please provide a purchase order by June 1st on the year preceding that in which the seed purchase is intended. Some items may require extra collections be made in advance to assume supply of the quantities requested.

Thank you again for consulting Pacific Coast Seed, Inc. as your seed supplier for this project. We look forward to working with you on future projects.

Sincerely,

Pacific Coast Seed, Inc



Kitty Luckert
Office Manager

Attachment 8

FREEDLUN HYDROSEEDING INC
518 BAYWOOD CT, VACAVILLE, CA 95688

LICENSE #740810

800-300-9423 707-448-9423

FAX 707-446-8146

DEAN@FREEDLUN.NET OR TERRI@FREEDLUN.NET

Price Quote

October 6, 2021
Kristen Davist
EnviroMine, Inc.
RE: Reclamation Cost Estimate 2021

Hello Kristen

Please find our updated pricing for the following BFM products:

Hydroseed using Flexterra: 20+ acres @ \$7,850.00 per acre

Hydroseed using ProMatrix: 20 + acres @ \$5,200.00 per acre (no longer hydroblanket)

Both products shall be applied @ 4,000 lbs/acre

This quote is for one application. Should more applications be required, additional charges will apply. Full payment of the quoted price is due within 30 days of application. Late payments will incur an additional fee of 1.5% per month.

This quote assumes customer will provide legal access to the property and to an ample water supply. If no water is available, let us know. This quote excludes any soil prep, soil amendments, any guarantee of growth, watering, weeding, or maintenance. The seed we purchase is determined by the details you have provided and authorized above, and is State inspected for germination percentages.

If a payment & performance bond is required, our rate is 3%. Unless we have been notified of such requirement in writing, the cost of any bond is not included in our quote, and will be added to the final quoted price. Our company is SB/MICRO certified through the State of California. **Init. _____**

Due to the changing prices of seed, the quoted price is good for 60 days. Let us know if you want to 'Lock-in' a price for a date more than 2 months away.

To accept this proposal, initial where indicated, sign and date below & fax back to 707-446-8146. Once accepted, this quote will become a contract.

In any legal action undertaken to enforce its terms, the successful party will be entitled to any and all attorney fees and legal costs incurred in connection with such an enforcement action.

x _____ Date _____ Initial Required Above

Printed name _____ Title _____

Attachment 9

32 93 Plants

32 93 33 - Shrubs

		Daily Labor- Crew Output Hours	Unit	Material	2018 Bare Costs Labor Equipment	Total	Total Incl O&P
32 93 33.60 Cacti							
1310	1 gal.		Ea.	8		8	8.80
1312	2 gal.			17.50		17.50	19.25
1320	5 gal.			25		25	27.50
1400	Burbank spineless Prickly Pear, Opuntia fiscus-indica, Z8, cont						
1420	5 gal.		Ea.	20		20	22
1430	15 gal.		"	50		50	55
1500	Bunny ears, Opuntia microdasys, Z8, cont						
1510	1 gal.		Ea.	4.50		4.50	4.95
1520	5 gal.		"	16		16	17.60
1600	Prickly Pear, Opuntia species, Z8, cont						
1610	1 gal.		Ea.	5		5	5.50
1620	5 gal.			20		20	22
1630	15 gal.			50		50	55
1700	Giant Saguaro Cactus, Carnegiea gigantea, Z8, cont						
1713	3 gal.		Ea.	43		43	47
1720	5 gal.		"	73		73	80

32 93 43 - Trees

32 93 43.10 Planting

0010	PLANTING							
0011	<u>Trees, shrubs and ground cover</u>							
0100	Light soil							
0110	Bare root seedlings, 3" to 5" height	1 Clab	960	.008	Ea.	.33	.33	.51
0120	6" to 10"		520	.015		.61	.61	.93
0130	11" to 16"		370	.022		.86	.86	1.31
0140	17" to 24"		210	.038		1.52	1.52	2.31
0200	Potted, 2-1/4" diameter		840	.010		.38	.38	.58
0210	3" diameter		700	.011		.46	.46	.69
0220	4" diameter		620	.013		.51	.51	.78
0300	Container, 1 gallon	2 Clab	84	.190		7.60	7.60	11.35
0310	2 gallon		52	.308		12.25	12.25	18.70
0320	3 gallon		40	.400		15.95	15.95	24.50
0330	5 gallon		29	.552		22	22	33.50
0400	Bagged and burlapped, 12" diameter ball, by hand		19	.842		33.50	33.50	51
0410	Backhoe/loader, 48 HP	B-6	40	.600		26	7.80	33.80
0415	15" diameter, by hand	2 Clab	16	1		40	40	60.50
0416	Backhoe/loader, 48 HP	B-6	30	.800		35	10.40	45.40
0420	18" diameter by hand	2 Clab	12	1.333		53	53	81
0430	Backhoe/loader, 48 HP	B-6	27	.889		39	11.55	50.55
0440	24" diameter by hand	2 Clab	9	1.778		71	71	108
0450	Backhoe/loader, 48 HP	B-6	21	1.143		50	14.90	64.90
0470	36" diameter, backhoe/loader, 48 HP	"	17	1.412		61.50	18.40	79.90
0550	Medium soil							
0560	Bare root seedlings, 3" to 5"	1 Clab	672	.012	Ea.	.47	.47	.71
0561	6" to 10"		364	.022		.88	.88	1.31
0562	11" to 16"		260	.031		1.23	1.23	1.80
0563	17" to 24"		145	.055		2.20	2.20	3.35
0570	Potted, 2-1/4" diameter		590	.014		.54	.54	.80
0572	3" diameter		490	.016		.65	.65	.95
0574	4" diameter		435	.018		.73	.73	1.12
0590	<u>Container, 1 gallon</u>	2 Clab	59	.271		10.80	10.80	16.45
0592	2 gallon		36	.444		17.70	17.70	27
0594	3 gallon		28	.571		23	23	34.50

(29.5 plants/8 hr.)
pp. dy.

Attachment 10

From: [Emilio Zamora](#)
To: [Kristen Lewis](#)
Cc: sanjosescrap@alcometals.com
Subject: Re: Steel Pricing San Jose
Date: Thursday, September 30, 2021 3:54:14 PM

Hello Kristen,
Depending on the Tonnage... \$260 to \$360 a net ton...

Regards, Emilio

On Thu, Sep 30, 2021 at 2:42 PM Kristen Lewis <Kristen@enviromineinc.com> wrote:

Hello,

What is the cost for scrap steel per ton (both prepped and unprepped), to be delivered to the San Jose location?

Thank you,

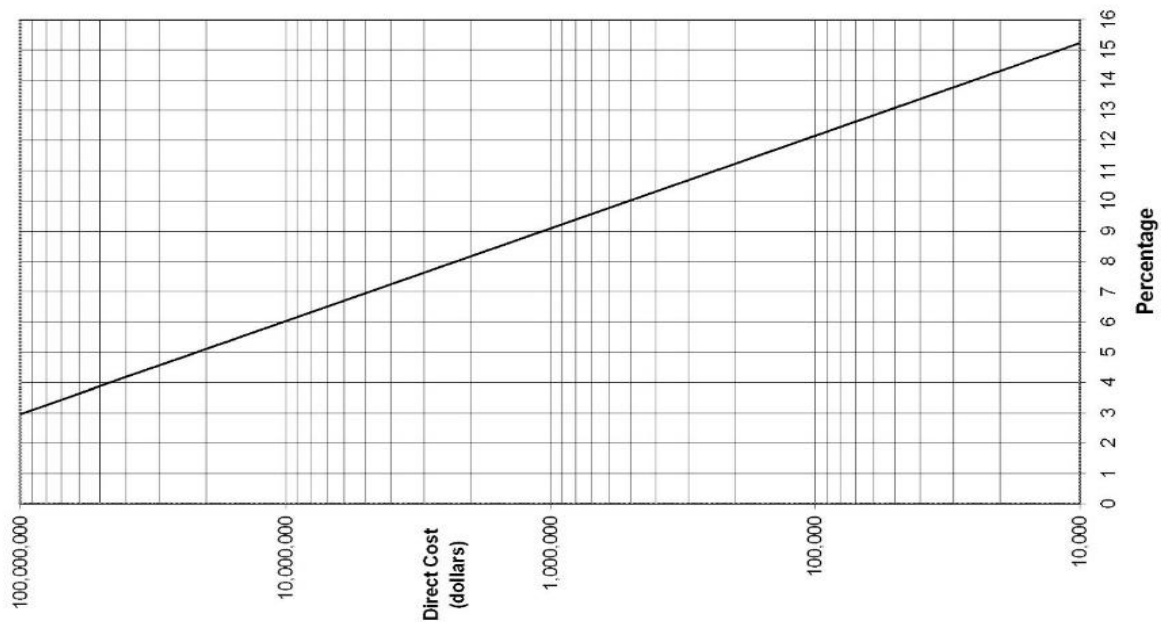
Kristen Lewis

EnviroMINE, Inc

619-952-9619

kristen@enviromineinc.com

Graph 2 -- Profit and Overhead



Graph 1 -- Reclamation Management

