

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: August 26, 2019 (revised 10/9/19)

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): 8/6/2019

☐

Other: Please Specify: _____

Most Recent Approved Financial Assurance Cost Estimate

Date: March 11, 2019

Amount: \$ 52,916,214

Amount of existing Financial Assurance Mechansim(s)

Date: Various

Amount: \$ 54,657,484

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 (2019)

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 (4/1/19-3/31/20)

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, 2018

**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 for approximately 500 acres
8. Bid from Freedlun Hydroseeding, Inc. for applying hydroseed

(add additional pages as needed)

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. Current grading activities are taking place in Phase 1A of the approved mine plan. 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, cement plant, and various pieces of mobile equipment on 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.)

It is expected that mining will continue to progress in Phase 1 of the Main Pit during the next 12 months.

IV. Description/Justification of Cost Increase/Decrease

The total cost has increased as a result of pipeline removal costs that were added to this year's estimate and increased labor, equipment, and revegetation costs.

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 \$160 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	\$86.47	108.0	\$9,339
CAT 330 w/ Steel Shear (\$161.78+\$115.03)	Hours	\$276.81	93.0	\$25,743
CAT 330 w/ Grapple (\$161.78+\$16.05)	Hours	\$177.83	108.0	\$19,206
Semi-truck w/ end dump	Hours	\$87.29	84.0	\$7,332
Semi-truck w/ 2 axle lowboy trailer (\$76.67+\$19.86)	Hours	\$96.53	118.0	\$11,391
CAT 966E Wheel Loader	Hours	\$129.80	108.0	\$14,018
Welding Truck	Hours	\$46.23	120.0	\$5,548
Pickup Truck (2)	Hours	\$26.15	112.0	\$2,929
Total Equipment Cost for this Task =				\$95,505

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)	\$75.18	\$0.00	108.0	\$8,119
Excavator Operator (2) (Operating Engineer, Grp. 3, Area 1)	\$74.79	\$0.00	201.0	\$15,033
Dump Truck Driver (Teamster, Grp. 3)	\$60.77	\$0.00	84.0	\$5,105
Lowboy Truck Driver (Teamster, Grp. 4)	\$61.12	\$0.00	118.0	\$7,212
Loader Operator (Operating Engineer, Grp. 3, Area 1)	\$74.79	\$0.00	108.0	\$8,077
Foreman (Operating Engineer, Grp. 2, Area 1)	\$76.27	\$0.00	140.0	\$10,678
Laborer (2) (Laborer, Grp. 3, Area 1)	\$54.49	\$0.00	112.0	\$6,103
Welder (4) (Laborer, Const. Specialist, Area 1)	\$55.44	\$0.00	225.0	\$12,474
Total Labor Cost for this Task =				\$72,801

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 = \$177,187

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

Net Salvage Value = \$ 160,000.00

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

Total Cost of Structure and Equipment Removal = \$17,187

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 330 Excavator w/ Rock Breaker Attachment (\$161.78+\$38.84)	Hours	\$200.62	92.0	\$18,457
CAT 330 Excavator w/ Bucket	Hours	\$161.78	58.0	\$9,383
CAT 966E Wheel Loader	Hours	\$129.80	16.0	\$2,077
Haul Truck (10)	Hours	\$87.29	268.0	\$23,394
Pickup Truck	Hours	\$26.15	168.0	\$4,393
CAT 966E Wheel Loader (for pipeline removal)	Hours	\$129.80	114.0	\$14,797
Semi-truck w/ 2 axle lowboy trailer (pipeline removal) (\$76.67+\$19.86)	Hours	\$96.53	48.0	\$4,633
Total Equipment Cost for this Task =				\$77,135

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)	\$74.79	\$0.00	150.0	\$11,219
Loader Operator (Operating Engineer, Grp. 3, Area 1)	\$74.79	\$0.00	16.0	\$1,197
Haul Truck Driver (10) (Teamster, Grp. 3)	\$60.77	\$0.00	268.0	\$16,286
Laborer (2) (Laborer, Grp. 3, Area 1)	\$54.49	\$0.00	116.0	\$6,321
Loader Operator (pipeline removal) (Operat. Engineer, Grp. 3, Area 1)	\$74.79	\$0.00	114.0	\$8,526
Lowboy Truck Driver (for pipeline removal) (Teamster, Grp. 4)	\$61.12	\$0.00	48.0	\$2,934
Laborer (4) (for pipeline removal) (Laborer, Grp. 3, Area 1)	\$54.49	\$0.00	114.0	\$6,212
Total Labor Cost for this Task =				\$52,694

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 = **\$151,179**

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 = **\$151,179**

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 (\$76.67+\$24.51):	Hours	\$101.18	18.0	\$1,821
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	\$2,787.00	13.0	\$36,231
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.

Total Equipment Cost for this Task = \$38,052

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)	\$61.12	0.0%	18.0	\$1,100
	\$0.00	\$0.00	0.0	\$0
	\$0.00	\$0.00	0.0	\$0

Total Labor Cost for this Task = \$1,100

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 = \$39,152

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 = \$39,152

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 29,845,648 cubic yards (See Attachment 2 for volume estimate memo from Stantec Consulting Services, Inc.). This volume accounts for material that was removed from the pit during the past year (846,773 cubic yards). During the past year, most mining activity occurred in the southern portion of the Main Pit. 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):	29,845,648
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	\$67.31	200.0	\$13,462
CAT 938G Loader (for conveyor install)	Hours	\$93.49	200.0	\$18,698
CAT 315L Excavator (for conveyor install)	Hours	\$59.46	200.0	\$11,892
Pickup Truck (2) (for conveyor install)	Hours	\$26.15	400.0	\$10,460
42" Conveyor System Over 10,000' (lump sum)*	Hours	\$10,265,130.00	1.0	\$10,265,130
CAT D10N Dozers (3)	Hours	\$302.75	64881.0	\$19,642,723
CAT D11N Dozer	Hours	\$474.05	7262.0	\$3,442,551
Water Truck	Hours	\$46.23	7262.0	\$335,722
Conveyor Operation/Maintenance	Hours	\$47.26	21627.0	\$1,022,092
Electricity	Hours	\$28.41	21627.0	\$614,423
CAT 325L Excavator (for relocating conveyor)	Hours	\$108.12	80.0	\$8,650
CAT 988 Loader (for relocating conveyor)	Hours	\$163.03	80.0	\$13,042

Total Equipment Cost for this Task = \$35,398,845

* 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)	\$75.18	\$0.00	200.0	\$15,036
Loader Operators (2) (Operating Engineer, Grp. 3, Area 1)	\$74.79	\$0.00	280.0	\$20,941
Excavator Operators (2) (Operating Engineer, Grp. 3, Area 1)	\$74.79	\$0.00	280.0	\$20,941
Foreman (Operating Engineer, Grp. 2, Area 1)	\$76.27	\$0.00	200.0	\$15,254
Laborers (2) (Laborer, Grp. 3, Area 1)	\$54.49	\$0.00	400.0	\$21,796
Dozer Operators (4) (Operating Engineer, Grp. 3, Area 1)	\$74.79	\$0.00	72143.0	\$5,395,575
Water Truck Driver (Teamster, Grp. 2)	\$60.47	\$0.00	7262.0	\$439,133

Total Labor Cost for this Task = \$5,928,677

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 = \$41,327,522

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	\$456.21	195.0	\$88,961
CAT 777D Haul Trucks (11) (for stockpile reloc., capping)	Hours	\$278.19	2254.0	\$627,040
CAT 12H Blade (for stockpile relocation)	Hours	\$88.42	98.0	\$8,665
CAT 938F Loader (for organic material mixing)	Hours	\$82.80	600.0	\$49,680
CAT 992B Loader (2) (for non-limestone capping)	Hours	\$291.93	314.0	\$91,666
CAT 651B Scraper (4) (for capping)	Hours	\$269.32	608.0	\$163,747
CAT D10N Dozer (2) (for capping)	Hours	\$302.75	238.0	\$72,055
Water Truck (for stockpile relocation & capping)	Hours	\$46.23	492.0	\$22,745
Total Equipment Cost for this Task =				\$1,124,559

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)	\$74.79	\$0.00	1109.0	\$82,942
Haul Truck Drivers (11) (Teamster, Grp. 4)	\$61.12	\$0.00	2254.0	\$137,764
Blade Operator (Operating Engineer, Grp. 3, Area 1)	\$74.79	\$0.00	98.0	\$7,329
Scraper Operators (4) (Operating Engineer, Grp. 3, Area 1)	\$74.79	\$0.00	608.0	\$45,472
Dozer Operators (2) (Operating Engineer, Grp. 3, Area 1)	\$74.79	\$0.00	238.0	\$17,800
Water Truck Driver (Teamster, Grp. 2)	\$60.47	\$0.00	492.0	\$29,751
Total Labor Cost for this Task =				\$321,060

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 = \$3,193,868

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 D8R Dozer	Hours	\$182.46	498.0	\$90,865
Ripping with a CAT D8R Dozer (\$182.46+\$17.04)	Hours	\$199.50	7.0	\$1,397
Desiltation Basin Installation (Lump Sum est. plus CPI)	Basin	\$23,360.00	3.0	\$70,080
		\$0.00	0.0	\$0
		\$0.00	0.0	\$0
		\$0.00	0.0	\$0
Total Equipment Cost for this Task =				\$162,342

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)	\$74.79	\$0.00	505.0	\$37,769
	\$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 =				\$37,769

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 = \$200,111

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 (\$)
315L Excavator w/ Rock Breaker Attach. (\$59.46+\$23.52)	Hours	\$82.98	6.0	\$498
315L Excavator w/ bucket (culvert removal)	Hours	\$59.46	2.0	\$119
Haul Truck (4) (culvert removal)	Hours	\$87.29	12.0	\$1,047
CAT 330 Excavator (channel restoration/boulder removal)	Hours	\$148.94	174.0	\$25,916
CAT 966F Loader (channel restoration/boulder removal)	Hours	\$132.72	148.0	\$19,643
CAT 740 Articulated Haul Truck (channel/boulder removal)	Hours	\$123.65	154.0	\$19,042
Desiltation Basin Installation (Lump Sum est. plus CPI)	Basin	\$23,360.00	2.0	\$46,720
CAT D8R Dozer w/ Winch (for slope treatment)	Hours	\$182.46	16.0	\$2,919
Sheep's Foot Attachment (for slope treatment)	Hours	\$14.41	16.0	\$231
Pick Up Truck	Hours	\$26.15	40.0	\$1,046
Total Equipment Cost for this Task =				\$117,180

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)	\$74.79	\$0.00	182.0	\$13,612
Haul Truck Drivers (4) (Teamster, Grp. 4)	\$61.12	\$0.00	12.0	\$733
Loader Operators (2) (Operating Engineer, Grp. 3, Area 1)	\$74.79	\$0.00	148.0	\$11,069
Articulated Haul Truck Drivers (3) (Teamster, Grp. 4)	\$61.12	\$0.00	154.0	\$9,412
Dozer Operator (Operating Engineer, Grp. 3, Area 1)	\$74.79	\$0.00	16.0	\$1,197
Foreman(Operating Engineer, Grp. 2, Area 1)	\$76.27	\$0.00	8.0	\$610
Laborers (7) (Laborer, Grp. 3, Area 1)	\$54.49	\$0.00	284.0	\$15,475
Total Labor Cost for this Task =				\$52,109

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	\$5.02	\$0.00	37,600.0	\$188,752
Silt Fencing	\$4.46	\$0.00	3,450.0	\$15,387
	\$0.00	\$0.00	0.0	\$0
	\$0.00	\$0.00	0.0	\$0
Total Materials Cost for this Task =				\$204,795

D. Total Direct Cost for this task

Equipment Cost + Labor Cost + Materials Cost = \$374,084

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. Also, approximately 2 acres were hydroseeded near the Rock Plant during the past year. 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 D8 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	\$163.03	422.0	\$68,799
CAT 740 Haul Truck (2) (for topsoil placement)	Hours	\$123.65	844.0	\$104,361
Water Truck (for topsoil placement)	Hours	\$46.23	422.0	\$19,509
CAT D8R Dozer (for topsoil placement)	Hours	\$182.46	422.0	\$76,998
Pickup Truck (2) (for planting)	Hours	\$26.15	240.0	\$6,276
Materials & Labor for planting in PCRA	Plant	\$16.74	2500.0	\$41,850
Total Equipment Cost for this Task =				\$317,792

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%		
Loader Operator (Operating Engineer, Grp. 3, Area 1)	\$74.79	\$0.00	422.0	\$31,561
Haul Truck Drivers (2) (Teamster, Grp. 4)	\$61.12	\$0.00	844.0	\$51,585
Water Truck Driver (Teamster, Grp. 2)	\$60.47	\$0.00	422.0	\$25,518
Dozer Operator (Operating Engineer, Grp. 3, Area 1)	\$74.79	\$0.00	422.0	\$31,561
Laborer (4) (Laborer, Grp. 3, Area 1)	\$54.49	\$0.00	480.0	\$26,155
Revegetation Specialist	\$92.00	\$0.00	120.0	\$11,040
Total Labor Cost for this Task =				\$177,422

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 (\$)
			0.0%		
Pacific madrone	Container	\$2.17	\$0.00	798.0	\$1,732
Grey pine	Container	\$2.58	\$0.00	8,990.0	\$23,194
Coast live oak	Container	\$2.58	\$0.00	824.0	\$2,126
Canyon live oak	Container	\$2.58	\$0.00	824.0	\$2,126
Blue oak	Container	\$2.58	\$0.00	824.0	\$2,126
Valley oak	Container	\$2.58	\$0.00	824.0	\$2,126
Interior live oak	Container	\$2.58	\$0.00	824.0	\$2,126
Mountain mahogany	Container	\$3.15	\$0.00	3,976.0	\$12,524
Toyon	Container	\$1.34	\$0.00	3,976.0	\$5,328
Scrub oak	Container	\$2.17	\$0.00	3,976.0	\$8,628
California coffeeberry	Container	\$1.74	\$0.00	3,976.0	\$6,918
Redberry	Container	\$1.74	\$0.00	3,976.0	\$6,918
Hillside gooseberry	Container	\$1.74	\$0.00	3,976.0	\$6,918
Chaparral currant	Container	\$1.74	\$0.00	3,976.0	\$6,918
Total Materials Cost for this Task =					\$89,709

D. Total Direct Cost for this task

Equipment Cost + Labor Cost + Materials Cost = \$584,923

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	\$6,500.00	13.7	\$89,050
Hydroseeding Equipment & Labor (remaining areas) ²	Acre	\$1,634.00	502.0	\$820,268
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 =				\$909,318

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	\$36.00	0.0%	8,169.0	\$294,084
Baccharis pilularis	Pounds	\$28.00	0.0%	10,122.2	\$283,422
Eriogonum fasciculatum	Pounds	\$12.00	0.0%	10,259.2	\$123,110
Salvia leucophylla	Pounds	\$80.00	0.0%	1,004.0	\$80,320
Salvia mellifera	Pounds	\$48.00	0.0%	1,564.9	\$75,115
Achillea millefolium	Pounds	\$48.00	0.0%	1,031.4	\$49,507
Artemisia douglasiana	Pounds	\$98.00	0.0%	530.0	\$51,940
Bromus carinatus	Pounds	\$8.00	0.0%	3,094.2	\$24,754
Elymus glaucus	Pounds	\$18.00	0.0%	3,094.2	\$55,696
Eschscholzia californica	Pounds	\$24.00	0.0%	1,004.0	\$24,096
Heterotheca grandiflora	Pounds	\$70.00	0.0%	515.7	\$36,099
Lotus purshianus	Pounds	\$100.00	0.0%	551.3	\$55,130
Lotus scoparius	Pounds	\$36.00	0.0%	1,004.0	\$36,144
Lupinus nanus	Pounds	\$52.00	0.0%	502.0	\$26,104
Melica californica	Pounds	\$55.00	0.0%	1,004.0	\$55,220
Nassella pulchra	Pounds	\$42.00	0.0%	2,008.0	\$84,336
Poa secunda	Pounds	\$30.00	0.0%	1,004.0	\$30,120
Trifolium willdenovii	Pounds	\$60.00	0.0%	1,004.0	\$60,240
Plantago erecta	Pounds	\$40.00	0.0%	41.4	\$1,656
Sisyrinchium bellum	Pounds	\$90.00	0.0%	19.2	\$1,728
Vulpia microstachys	Pounds	\$24.00	0.0%	137.0	\$3,288
Carex barbarae	Pounds	\$400.00	0.0%	3.0	\$1,200
Carex praegracilis	Pounds	\$115.00	0.0%	3.0	\$345
Cyperus eragrostis	Pounds	\$140.00	0.0%	6.0	\$840
Hordeum brachyantherum	Pounds	\$24.00	0.0%	18.0	\$432
Juncus effusus	Pounds	\$120.00	0.0%	1.0	\$120
Juncus patens	Pounds	\$135.00	0.0%	1.0	\$135
Leymus triticoides	Pounds	\$80.00	0.0%	6.0	\$480
Total Materials Cost for this Task =					\$1,455,661

D. Total Direct Cost for this task

Equipment Cost + Labor Cost + Materials Cost = \$2,364,979

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
	0.0	\$0.00	\$0
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
Total Monitoring Costs =				\$928,685

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	\$	207,518
(VI) Total of all Primary Reclamation Activities Costs	\$	45,095,584
(VII) Total of all Revegetation Costs	\$	2,949,901
(VII) Total of all Miscellaneous Costs	\$	732,512
(IX) Total of all Monitoring Costs	\$	928,685
Total of Direct Costs	\$	49,914,200

XI. SUPERVISION / PROFIT & OVERHEAD / CONTINGENCIES / MOBILIZATION

(A) Supervision (2.4 %)	\$	1,198,574
(B) Profit/Overhead (3.9 %)	\$	1,950,021
(C) Contingencies (4.0 %)	\$	1,996,568
(D) Mobilization (2.0 %)	\$	998,284
Total of Indirect Costs	\$	6,143,447
Total of Direct and Indirect Costs	\$	56,057,647
(E) Lead Agency and/or Dept. of Conservation Administrative Costs (5%)	\$	2,802,882
Total Estimated Cost of Reclamation	\$	58,860,529

Attachment 1



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

September 7, 2018

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

SUBJECT: Lehigh Hanson Permanente Plant
QUOTE #: 1607-1074-JFM Rev 1

Dear Travis,

Please refer to our previous cost estimate of July 12, 2016. Based on shipment in the second half of 2019, we would expect the following prices:

ITEM 1 Primary Station

PRICE: \$1,250,000.00

OPTIONS

A.	\$ 38,065.00
B.	\$ 74,060.00

ITEM 2 Dust Collector

PRICE: \$ 45,095.00

B. Mounting	\$ 20,640.00
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SUMMARY – Items 1 and 2

Equipment	\$1,427,860.00
Sales Tax 8%	\$ 114,230.00
Freight	\$ 111,360.00
TOTAL	\$1,653,450.00

ITEM 3 Pit Conveyor**PRICE:** \$1,152,050.00**OPTIONS**

A.	\$ 12,995.00
B.	\$ 3,715.00
C.	\$ 557,600.00
D.	\$ 32,890.00

Subtotal: \$1,759,250.00**Lot of four (4) conveyors:** \$7,037,000.00

Sales Tax 8% \$ 562,960.00

Freight \$ 364,240.00

TOTAL: \$7,964,200.00**ITEM 4 Stacker****PRICE:** \$ 626,280.00**OPTIONS**

A.	\$ 3,235.00
B.	\$ 5,025.00
C.	\$ 1,470.00
D.	\$ 1,530.00
E.	\$ 9,940.00

Subtotal: \$ 647,480.00

Delivery currently:

Primary 20 – 40 weeks

Dust Collector 14 – 16 weeks

Overland Conveyor 18 – 22 weeks

Telescoping Conveyor 16 – 20 weeks

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
September 7, 2018



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

July 12, 2016

Mr. Damien Galford
Project Manager
ENVIROMINE, INC.
135 Camino Dorado, Suite 11
Napa, CA 94558

SUBJECT: Lehigh Hanson Permanente
QUOTE #: 1607-1074-JFM

Dear Mr. Galford,

We are pleased to forward BUDGET prices and specifications for the Primary Station at Lehigh Hanson Permanente. Final prices may vary dependent upon when and if an order is placed. These prices are valid until December 30, 2017.

Prices and deliveries are all over the place. In general factories are somewhat busy with reduced staff, handling one project at a time. There is no consistency in the market. This being said we realize this is a long term project; currently complete shipment would be accomplished in a 6 – 8 month period.

Our invoice EQ16118 for services in relation to this project is attached.

We trust this meets your requirements and that you will not hesitate in contacting us if you need additional information.

Very truly yours,

AGGREGATE MACHINERY SPECIALIST

John F. Mulligan

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

ENVIROMINE
Lehigh Hanson Permanente Reclamation

July 12, 2016

ITEM 1 Primary Station**1. New Telsmith 3858 PP-VGF Portable Primary Plant** consisting of the following:

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

Telsmith 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

Telsmith Model 38" x 58" 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:	ExWorks Mequon, WI	\$1,068,000.00
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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: \$ 30,450.00

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

ADD: \$ 59,250.00

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 \$ 40,700.00

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 \$ 18,575.00

TOTAL: \$ 59,275.00

SUMMARY – Item 1

Primary	\$1,068,000.00
Leveling Jacks	\$ 30,450.00
Motor Control	\$ 59,250.00
Dust Collector with Mounting	\$ 59,275.00

Subtotal	\$1,216,975.00
Sales Tax (4.81%) – <i>Special Rate</i>	\$ 58,536.00
Freight, estimated	\$ 85,189.00
TOTAL	\$1,360,700.00

ITEM 3 Masaba 42" x 2375' Overland Conveyor

- **Frame** – 8" channel, bolt in cross members
- **Supports** – 2' tall intermediate supports on 20' spacing, head end supports for 8' discharge height
- **Drive** – Falk V-Class shaft mounted right-angle gear reducer assembly with cooling fan and L.S. Hindon emergency brake
- **Motor** – 300hp electric with VFD control package
- **V-Belt Drive** – with drive guard
- **Capacity** – 2000 TPH based on 100# per cu/ft of material
- **Belt Speed** – 511 FPM @ 212' decline
- **Pulleys** – **ENGINEERED CLASS PULLEYS**
- **Take Up** – Gravity take up tower on tail end
- **Belting** – Quoted Separately
- **Primary Belt Scraper** – Martin Pit Viper Primary with Twist Tensioner
- **Secondary Belt Scraper** – Martin Secondary Scraper with tungsten-carbide blade
- **V-Plow** – On return side
- **Transition Idlers** – CEMA D, PPI, 20 degree sealed 5" diameter trough idlers
- **Troughing Idlers** – CEMA D, PPI, 35 degree sealed 5" diameter trough idlers, 3.5' spacing
- **Return Idlers** – CEMA D, PPI, sealed 5" return idlers, 10' spacing
- **Self-Aligning Idlers** – CEMA D, PPI 50' from ends, then 100' spacing
- **Hopper** – 6ft long with adjustable rubber flashing
- **Switchgear** – **NOT INCLUDED**
- **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	\$ 985,000.00 each
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OPTIONS/ACCESSORIES

A. Safety Cut-off switch with cable	ADD: \$ 9,875.00
B. Discharge Hood with replaceable AR liners	ADD: \$ 3,000.00
C. Fenner-Dunlop 42" PSR 3-1200 Granite 3/8 x 1/4 covers	ADD: \$ 490,000.00
D. Dust collector, Model DLVM-2010, 7½ Hp, vertical mounting, support legs	ADD: \$ 28,125.00

Total for one (1) conveyor:	\$1,516,000.00
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Lot of four (4) conveyors:	\$6,064,000.00
Sales Tax (4.81%) – <i>Special Rate</i>	\$ 291,070.00
Freight, estimated	\$ 303,230.00
TOTAL:	\$6,717,575.00

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	\$ 563,650.00
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OPTIONS/ACCESSORIES

A. Remote grease bank for pulley bearings	ADD: \$ 2,750.00
B. Wireless remote control for all manual conveyor functions 1,000 ft. range	ADD: \$ 4,295.00
C. Impact idlers in lieu of steel rolls in load area	ADD: \$ 1,190.00
D. Safety switch, radial travel safety switches	ADD: \$ 1,315.00
E. Dual power travel, 4-wheel drive	ADD: \$ 8,500.00

Total with options:	\$ 581,700.00
Sales Tax (4.81%) – <i>Special rate</i>	\$ 27,920.00
Freight, estimated	\$ 29,080.00
TOTAL:	\$ 638,700.00

Delivery currently:

Primary	16 – 20 weeks
Dust Collector	14 – 16 weeks
Overland Conveyor	16 – 20 weeks
Telescoping Conveyor	14 – 16 weeks

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
July 12, 2016

Attachment 2

Kristen

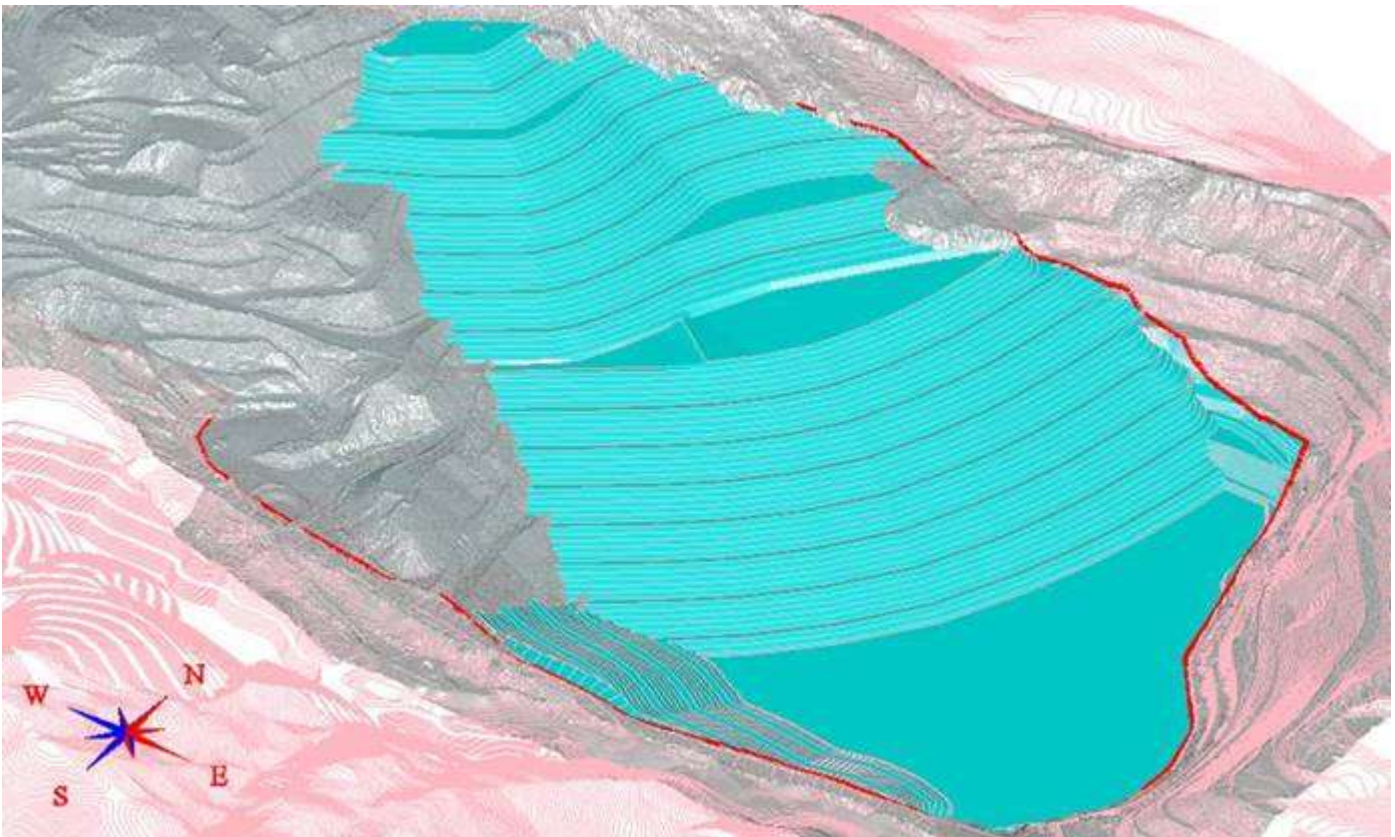
To: Travis Jokerst
Subject: RE: FACE Backfill Requirement

From: Clifford, Robert [<mailto:robert.clifford@stantec.com>]
Sent: Tuesday, August 20, 2019 9:32 AM
To: Flagan, Talia M (Cupertino) USA <Talia.Flagan@LehighHanson.com>
Cc: Gold, Gregory <Gregory.Gold@stantec.com>
Subject: RE: FACE Backfill Requirement

The fill volume from the June 24 2019 survey to the Current RPA is

Fill volume (end surface above start surface):
805,832,503.37 cubic feet
29,845,648.27 cubic yards

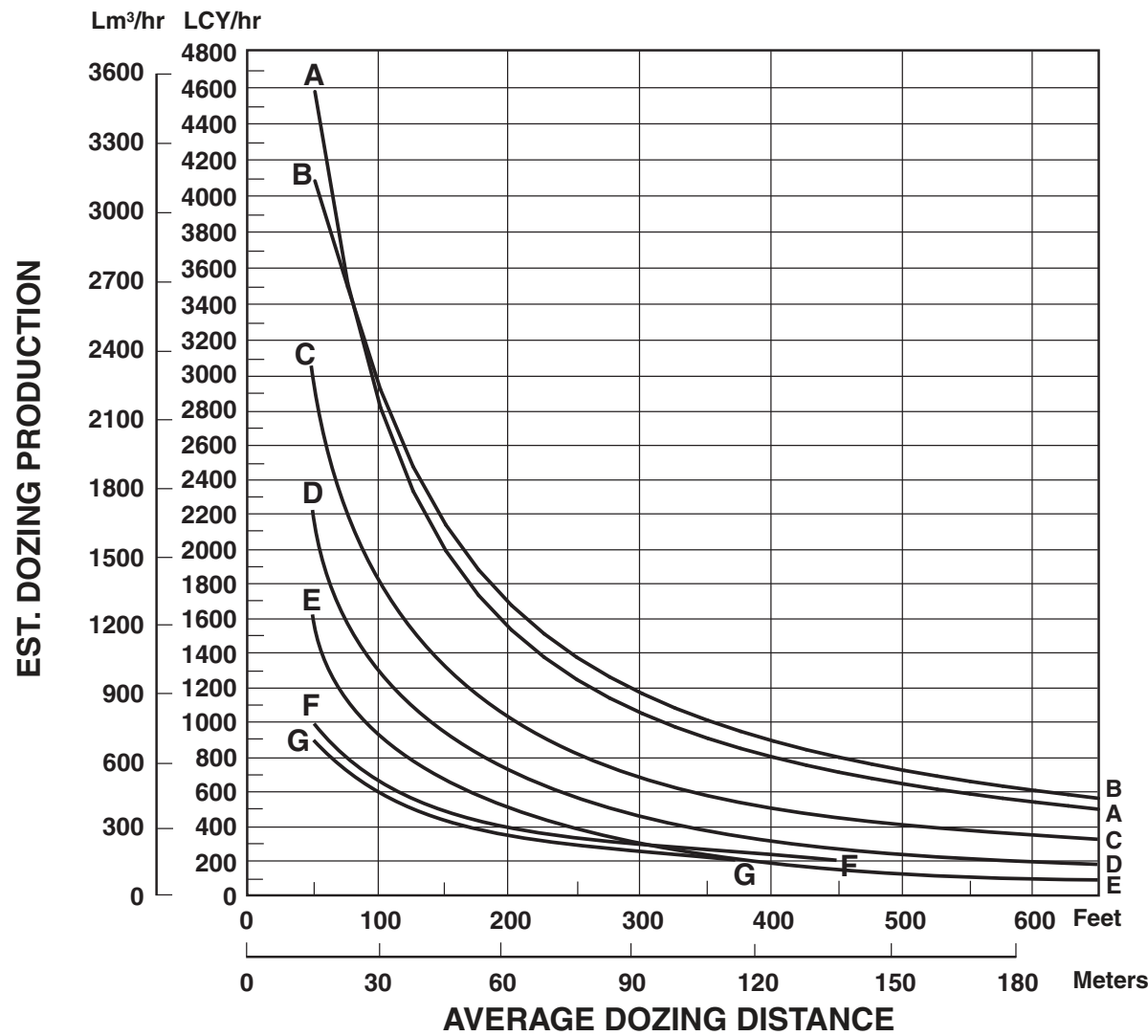
The 0.9M additional fill is from the south side mining of the sliver cut. Do you need this back in memo form and PE stamped?



Robert Clifford
Senior Project Manager
Senior Mine Engineer
Direct: 720 889-6108
robert.clifford@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

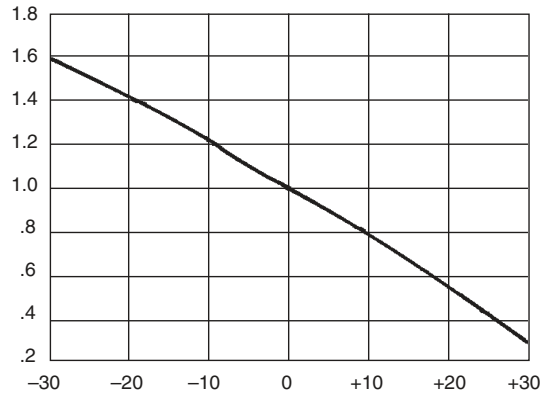
JOB CONDITION CORRECTION FACTORS

	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.

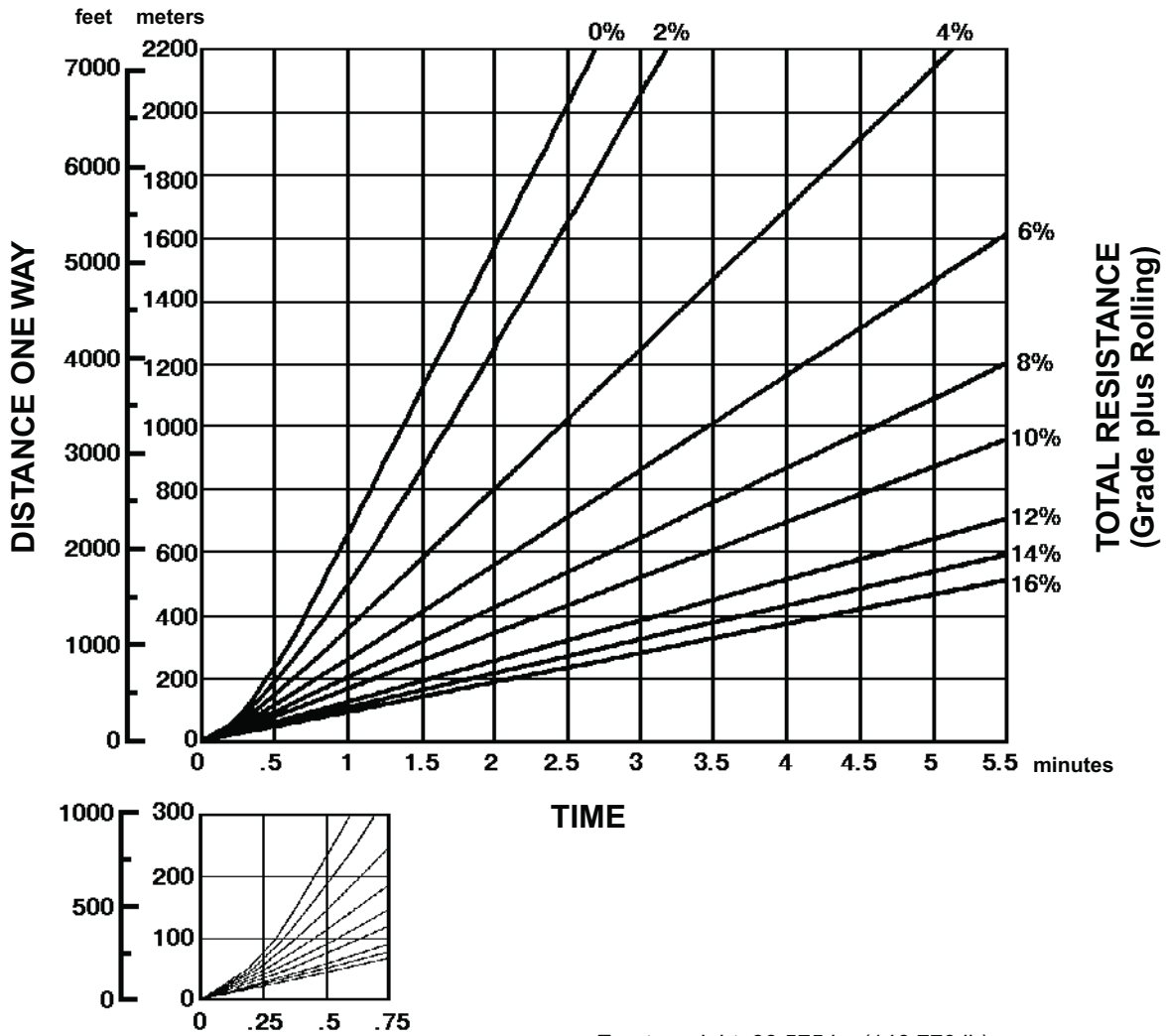
$$\begin{aligned} &= 458 \text{ Lm}^3/\text{h} \times \text{Factors} \\ &= 309.6 \text{ Lm}^3/\text{h} \end{aligned}$$

Attachment 4

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

Wheel Tractor-Scrapers

LOADED

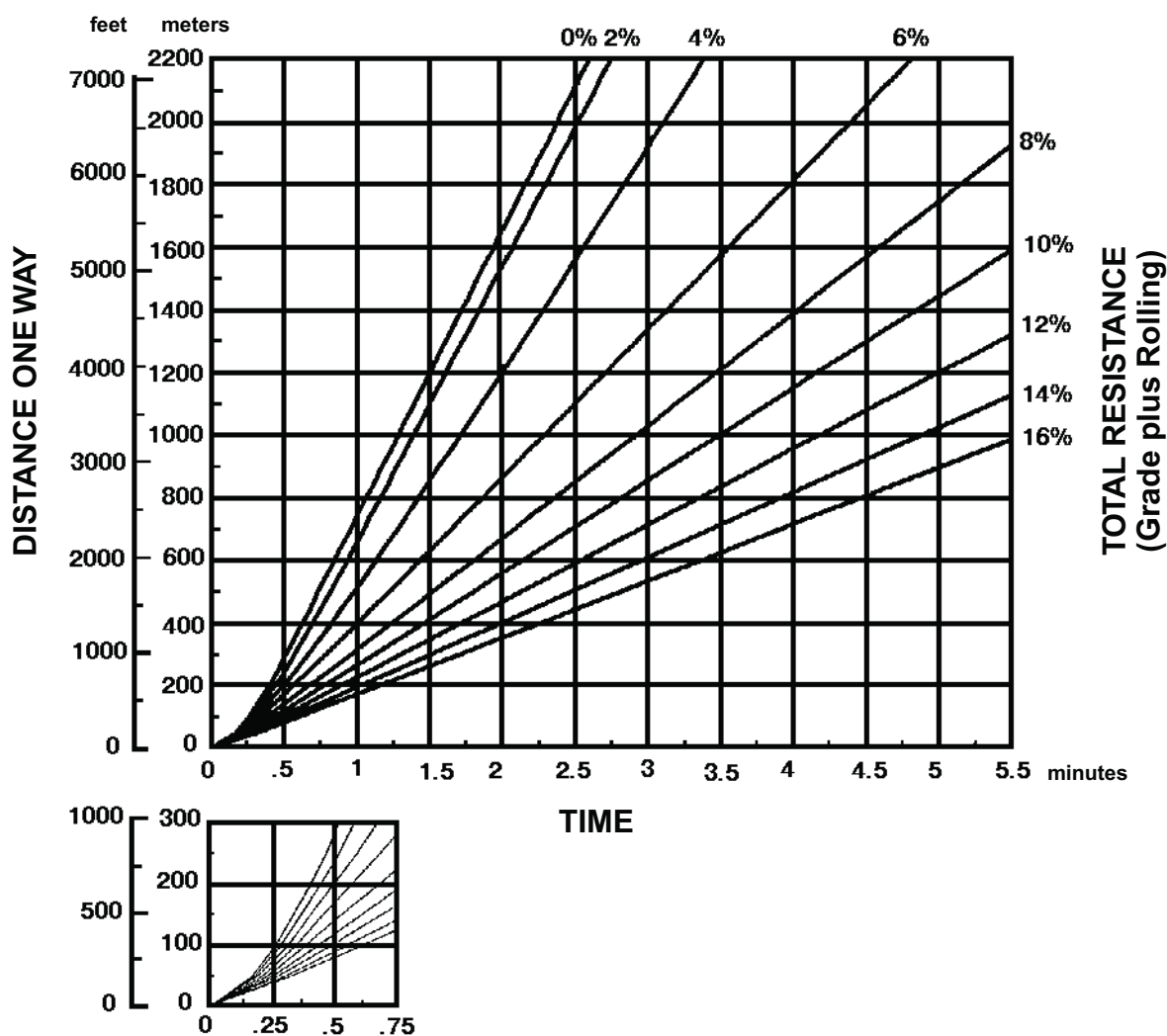


Empty weight: 66 575 kg (146,770 lb)
 Payload: 47 175 kg (104,000 lb)

Wheel Tractor-Scrapers

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

EMPTY



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: [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



Warren Coalson
 Enviromine, Inc.
 3511 Camino Del Rio South, Suite 403
 San Diego, CA 92108

August 22, 2019

Re: Permanente Quarry Cupertino

Dear Mr. Coalson:

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	\$36.00
<i>Baccharis pilularis</i>	coyotebrush	6	\$28.00
<i>Eriogonum fasciculatum</i>	Eastern Mojave buckwheat	16	\$12.00
<i>Lotus scoparius</i> (now known as <i>Acmispon glaber</i>)	deer weed	2	\$36.00
<i>Salvia mellifera</i>	black sage	4.3	\$48.00
GRASSES AND HERBS			
<i>Achillea millefolium</i>	common yarrow	2	\$48.00
<i>Artemisia douglasiana</i>	Douglas' sagewort	1.9	\$98.00
<i>Bromus carinatus</i>	California brome	10	\$8.00
<i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i>	winecup clarkia	1	\$85.00
<i>Elymus glaucus</i>	blue wildrye	6	\$18.00
<i>Heterotheca grandiflora</i>	telegraph weed	1	\$90.00
<i>Lotus purshianus</i> (now known as <i>Acmispon americanus</i>)	Spanish Clover	3.6	\$100.00
<i>Plantago erecta</i>	dotseed plantain	3	\$40.00

<i>Sisyrinchium bellum</i>	western blue-eyed grass	1.4	\$90.00
<i>Vulpia microstachys</i>	small fescue	10	\$24.00

Table 2:

Scientific Name	Common Name	Lb/Acre	Price/Lb
<i>Artemisia douglasiana</i>	mugwort	2	\$98.00
<i>Carex barbarae</i>	valley sedge	3	\$400.00
<i>Carex praegracilis</i>	field sedge	3	\$115.00
<i>Cyperus eragrostis</i>	tall flatsedge	6	\$140.00
<i>Hordeum brachyantherum</i>	meadow barley	18	\$24.00
<i>Juncus effusus</i>	bog rush	1	\$120.00
<i>Juncus patens</i>	common rush	1	\$135.00
<i>Leymus triticoides</i>	creeping wildrye	6	\$80.00
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



Warren Coalson
 Enviromine, Inc.
 3511 Camino Del Rio South, Suite 403
 San Diego, CA 92108

August 22, 2019

Re: Permanente Quarry Cupertino

Dear Mr. Coalson:

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 ~517 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) *	\$36.00
<i>Baccharis pilularis</i>	coyotebrush	20 (6) *	\$28.00
		20 (10) *	
<i>Eriogonum fasciculatum</i>	California buckwheat		\$12.00
<i>Salvia leucophylla</i>	Purple sage	2 *	\$80.00
<i>Salvia mellifera</i>	black sage	3	\$48.00
GRASSES AND HERBS			
<i>Achillea millefolium</i>	common yarrow	1	\$48.00
		1 (2) *	
<i>Artemisia douglasiana</i>	Douglas' sagewort		\$98.00
<i>Bromus carinatus</i>	California brome	6 (8)	\$8.00
		6 (8)	
<i>Elymus glaucus</i>	blue wildrye		\$18.00
<i>Eschscholzia californica</i>	California Poppy	2 (1.5)	\$24.00
<i>Heterotheca grandiflora</i>	telegraph weed	1 *	\$70.00
		1 (1.5)	
<i>Lotus purshianus</i>	Spanish Clover		\$100.00
<i>Lotus scoparius</i>	Deerweed	2	\$36.00
<i>Lupinus nanus</i>	Sky lupine	1 (2)	\$52.00
<i>Melica californica</i>	Californica melic	2	\$55.00

<i>Nasella pulchra</i>	Purple needlegrass	4	\$42.00
<i>Poa secunda</i>	One-sided bluegrass	2	\$30.00
<i>Trifolium wildenovii</i>	Tomcat clover	2	\$60.00
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 and are noted with a *. Numbers in () show the more usual seeding rates for these seeds.

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

Patricia L. Gomez

Patricia L. Gomez
Sales & Design

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

August 21, 2019

Kristen Davist

EnviroMine, Inc.

RE: Reclamation Cost Estimate 2019

Hello Kristen

Please find our updated pricing for the following BFM products:

Hydroseed using Flexterra: 20+ acres @ \$6,500.00 per acre

Hydroseed using ProMatrix: 20 + acres @ \$4,900.00 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_____

PHONE: 707-448-9423 • FAX: 707-446-8146

DEAN@FREEDLUN.NET OR TERRI@FREEDLUN.NET