

**DRAFT**  
Date: 09/07/16

# FINANCIAL ASSURANCE COST ESTIMATE FOR

\_\_\_\_\_  
(Mine Name)

CA Mine ID # 91- \_\_\_\_\_

Reclamation Plan # \_\_\_\_\_

Prepared by: (name & affiliation):

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Date: \_\_\_\_\_

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): \_\_\_\_\_

## Most Recent Approved Financial Assurance Cost Estimate

Date: \_\_\_\_\_

Amount: \$ \_\_\_\_\_

## Amount of existing Financial Assurance Mechanism (s)

Date: \_\_\_\_\_

Amount: \$ \_\_\_\_\_

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**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**

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**Documents made part of Reclamation Plan by Reference**

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

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**Equipment Rates used in Cost Estimate\*** *(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)*

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

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*\* 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:**

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**IV. PLANT STRUCTURES AND EQUIPMENT REMOVAL** (cont.)

Methods to be used:

- A. Equipment – List equipment required to complete identified task (for large reclamation project sites or separate mine areas)

Equipment	\$/hour	# of hours	Cost (\$)

Total Equipment Cost for this Task = \$ \_\_\_\_\_

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

Labor Category	\$/hour (incl labor burden)	# of hours	Cost (\$)

Total Labor Cost for this Task = \$ \_\_\_\_\_

- 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 (\$)

Total Materials Cost for this Task = \$ \_\_\_\_\_

- D. Total Direct Cost of Structure and Equipment Removal (Sum of A-C)

Equipment Costs + Labor Cost + Demolition Cost = \$ \_\_\_\_\_

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

Net Salvage Value = \$ \_\_\_\_\_

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

Total Cost of Structure and Equipment Removal = \$ \_\_\_\_\_

\*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.

**V. PRIMARY RECLAMATION ACTIVITY ( \_\_\_\_\_ )**

*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:**

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**Reclamation Performance Standards (End Use):**

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**Describe tasks, methods, equipment, etc.:**

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

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**Provide quantities:**

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

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Methods to be used:

- A. Equipment – List equipment required to complete identified task *(for large reclamation jobs separate mine areas)*

Equipment	\$/hour	# of hours	Cost (\$)

Total Equipment Cost for this Task = \$ \_\_\_\_\_

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

Labor Category	\$/hour (incl labor burden)	# of hours	Cost (\$)

Total Labor Cost for this Task = \$ \_\_\_\_\_

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

Item	Quantity	\$/unit (incl sales tax)	Cost (\$)

Total Materials Cost for this Task = \$ \_\_\_\_\_

- D. Total Direct Cost for this Task

Equipment Costs + Labor Cost + Materials Cost = \$ \_\_\_\_\_

**VI. REVEGETATION** *(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:

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Reclamation Performance Standard (End Use):

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Describe tasks:

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Methods to be used:

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

Equipment	\$/hour	# of hours	Cost (\$)

Total Equipment Cost for this Task = \$ \_\_\_\_\_

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

Labor Category	\$/hour (incl labor burden)	# of hours	Cost (\$)

Total Labor Cost for this Task = \$ \_\_\_\_\_

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

Item/Plant Species	Unit of measure	Quantity	\$/unit (incl sales tax)	Cost (\$)

Total Materials Cost for this Task = \$ \_\_\_\_\_

- D. Total Direct Cost for this Task

Equipment Costs + Labor Cost + Materials Cost = \$ \_\_\_\_\_

**VII. 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 could 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, wells, fueling and waste oil storage sites, septic systems, and include costs to prepare closure and monitoring reports, site security, preserving potable water and power, etc.

Item / Task	Quantity	\$/Unit	Cost (\$)

Total Miscellaneous Costs = \$ \_\_\_\_\_

**VIII. MONITORING COSTS**

Monitoring Task	\$/Visit	# Visits/Year	# of Monitoring Years	Cost (\$)

Total Monitoring Costs = \$ \_\_\_\_\_

## IX. SUMMARY OF COSTS

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

Total of all Plant Structures & Equipment Removal Costs	\$
Total of all Primary Reclamation Activities Costs	\$
Total of all Revegetation Costs	\$
Total of all Miscellaneous Costs	\$
Total of all Monitoring Costs	\$ _____
Total of Direct Costs	\$

## X. Supervision / Profit & Overhead / Contingencies / Mobilization

Supervision (_____ %)	\$
Profit/Overhead (_____ %)	\$
Contingencies (_____ %)	\$
Mobilization (_____ %)	\$ _____
Total of Indirect Costs	\$
Total of Direct and Indirect Costs	\$
Lead Agency and/or Dept. of Conservation Administrative Costs	\$ _____
<b>Total Estimated Cost of Reclamation</b>	<b>\$ _____</b>