



# RECLAMATION PLAN FORM

## STATE MINING AND GEOLOGY BOARD



State of California  
 DEPARTMENT OF CONSERVATION  
 STATE MINING AND GEOLOGY BOARD  
 RECLAMATION PLAN FORM

MINE NAME \_\_\_\_\_

New Reclamation Plan \_\_\_\_\_

Amended Reclamation Plan; CA Mine ID# \_\_\_\_\_

1. Company Operating	Site Contact Person	Telephone
Street Address/P.O. Box No.	City	State/ZIP Code/County

2. Designated Agent's Name (Individual must reside in CA)	Mailing Address	
City	ZIP Code	Telephone

3. Owner of Mining Operation	Telephone	
Mailing Address		
City	State/ZIP Code	Country (If other than U.S.A.)

4. Landowner	Assessor's Parcel #
Mailing Address	Telephone
City/State/ZIP Code	Country (If other than U.S.A.)

5. Legal Description
Current Zoning

6. a. Location of Mining Operation	b. GPS Coordinates
Latitude      Longitude      Section-Township-Range-Base Meridian      Quadrangle Name      County	

7. Type of Operation	7 b. Dredging <input type="checkbox"/>	7 e. Within Floodplain	7 f. Instream
7 a. Open pit <input type="checkbox"/>		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
7 b. Quarry <input type="checkbox"/>	7 d. Underground <input type="checkbox"/>		

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8. a. Total Acres to be Disturbed	b. Acres Currently Disturbed	c. Acres to be Disturbed During Next 12 Months
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9.  Yes  No Financial Assurances Approved by Lead Agency. Complete section below for approved Financial Assurances:

**ATTACH COPY AND PROOF OF APPROVAL**

a. Amount	Type	Date Posted	Date of Annual Review by Lead Agency	Expiration Date or Renewal Date (If applicable)
b. <input type="checkbox"/> Yes <input type="checkbox"/> No Proposed changes to Financial Assurance. <input type="checkbox"/> Yes <input type="checkbox"/> No Financial Assurance Cost Estimate attached.				

10. Pre-1976 Mining. If yes, areas disturbed prior to 1976 and that will not be disturbed by the proposed mining operation must be clearly depicted on a map.

Yes       No

11. Determination of Vested Rights. If yes, attach a copy of the lead agency determination.

Yes       No

12. a. Agricultural Land	12. b. Williamson Act
<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

13. Commodities and Production  List All Commodities	Category Number	Total Production			
		Estimated Production	Tons	Troy Ounces	Pounds
13 a. Primary Commodity to be Produced by Operation:					
13 b. All Other Commodities to be Produced by Operation (include any production of gold and silver)					

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14. Reclamation Plan (Attach narrative and maps that address all of the following.) Check the following boxes to verify that the appropriate information is attached.

- a.  Site location/access map
- b.  Pre-mining topographic map
- c.  Topsoil resources map
- d.  Mine plan map(s)
- e.  Concurrent or phased reclamation plan map
- f.  Final reclamation plan map
- g.  Description of the environmental setting
  - Description of the physical setting
  - Description of biological resources
  - Description of the general geology of the area, using current references
  - Site specific geologic description
  - Topsoil resources
- h.  Description of the proposed mining operation
  - Discussion of the mining plan
  - Description of cut and fill slopes
  - Description of fill material placement and compaction
  - Methods to be used for temporary drainage and erosion control
  - Instream mining methods
- i.  Detailed description of reclamation activities
  - Description of the proposed end use
  - Protection of fish and wildlife habitat and sensitive species
  - Anticipated time schedule for mining and reclamation phasing
  - Mine closure
  - Topsoil salvage and redistribution
  - Water quality
  - Drainage and erosion control
  - Resoiling and site preparation
  - Plant selection and planting methods
  - Erosion control during plant establishment
  - Irrigation
  - Weed management
  - Plant protection measures

Vegetation test plots

C A L I F O R N I A   S U R F A C E   M I N I N G   A N D   R E C L A M A T I O N

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15. Reclamation Standards Summary. The following standards are required to assist the lead agency in assessing the completeness of the reclamation plan.

**a. §3703. Performance Standards for Wildlife Habitat.**

- List any rare, endangered, and/or threatened species that may be disturbed by the proposed surface mining operation
- Attach biological survey report verifying presence or absence of above species. Attachment: \_\_\_\_\_.
- Attach copy of measures approved to mitigate impacts to above species pursuant to the California Environmental Quality Act. Attachment: \_\_\_\_\_.

**b. §3704. Performance Standards for Backfilling, Regrading, Slope Stabilization, and Recontouring.**

Type of Slope	Gradient		Factor of Safety	
	Interim	Overall	Static	Pseudostatic
Cut slope				
Fill slope				

**b. §3704.1. Performance Standards for Backfilling Excavations and Recontouring Lands Disturbed by Open Pit Surface Mining Operations for Metallic Minerals.**

- Is the mine a metallic mine?  Yes,  No
- If yes, attach engineered backfilling design. Attachment: \_\_\_\_\_.

**d. §3705. Performance Standards for Revegetation.**

Species		Seeding Rate (PLS/acre)*
Common Name	Latin Name	

\* Pure Live Seed

Cover standard: \_\_\_\_\_% Density standard \_\_\_\_\_ per 100 m<sup>2</sup> Species richness standard \_\_\_\_\_ per 100 m<sup>2</sup>

- If revegetation is not a component of reclamation, explain why.  
\_\_\_\_\_
- List noxious weeds occurring on site.  
\_\_\_\_\_
- Performance Standard: Eradication measures will be taken if weeds exceed \_\_\_\_\_ number of noxious weeds per 100 square meters.

**e. §3706. Performance Standards for Drainage, Diversion Structures, Waterways, and Erosion Control.**

- I agree to provide a copy of the Storm Water Pollution and Prevention Plan (SWPPP) to the State Mining and Geology Board prior to the commencement of mining operations.
- I agree to provide other permits, as applicable, prior to the commencement of mining operations.
  - Lake or Streambed Alteration Agreement
  - Section 301 Permit Clean Water Act
  - Section 404 Permit Clean Water Act
  - Section 10 Permit River and Harbors Act

**f. §3707-3708. Performance Standards for Agricultural Land.**

- Agricultural Land Designation:  Prime  Non-Prime
- Is the proposed end use agriculture?  Yes,  No
- Performance Standard: \_\_\_\_\_

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15. Continued

**g. §3709. Performance Standards for Building, Structure, and Equipment Removal.**

- Will any buildings, structures, or equipment remain on site following reclamation?  Yes  No
- If yes, the reclamation plan includes an explanation as to how they are necessary for the proposed end use on page \_\_\_\_\_.

**h. §3710. Performance Standards for Stream Protection, Including Surface and Groundwater.**

Mining must be in compliance with the applicable laws protecting water quality.

- If a Stream Bed Alteration Agreement is required for the site by the Department of Fish and Game, I agree to provide a copy to the State Mining and Geology Board prior to the commencement of mining operations.
- An annual instream mining monitoring report will be provided to the inspector at or prior to the annual SMARA inspection that demonstrates that channel degradation is being controlled to prevent undermining or bridge supports, exposure of pipelines or other utilities, loss of spawning habitat, lowering of ground water levels, destruction of riparian vegetation, or increased stream bank erosion. The monitoring report shall evaluate annual extraction quantities, annual cross sections, and changes in the thalweg profile and make recommendations on appropriate extraction rates and locations for the next year.

**i. §3711. Performance Standards for Topsoil Salvage, Maintenance, and Redistribution.**

- Revegetation is an element of reclamation.
- Estimated quantities of topsoil resources:  
 \_\_\_\_\_ bank cubic yards,  
 \_\_\_\_\_ loose cubic yards.
- If topsoil resources are scarce, the following materials will be used to ensure an adequate rooting zone for successful revegetation.
- subsoil,  imported soil,  fines,  mulch,  compost,  other \_\_\_\_\_.

**j. §3712. Performance Standards for Tailings and Mine Waste Management.**

Mining must be in compliance with the applicable laws governing the discharge of waste water.

- Regulations approved by the State Water Resources Control Board require that a mine site that discharges storm water that has contacted any overburden, raw material, intermediate products, finished products, by-products, or waste products located on the mine site obtain a National Pollutant Discharge Elimination System (NPDES) permit. I agree to provide a copy to the site NPDES permit to State Mining and Geology Board prior to the commencement of mining operations.
- If the mine will need Waste Discharge Requirements (WDRs), I agree to provide a copy to the State Mining and Geology Board prior to the commencement of mining operations.
- I agree to provide a copy of any closure plans for tailings and mine waste units mandated by the Regional Water Quality Board to the State Mining and Geology Board prior to the commencement of mining operations.

**k. §3713. Performance Standards for Closure of Surface Openings.**

- Design for closure of any surface openings is included on page \_\_\_\_\_.

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16. Prepared by _____	Date _____
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17. Submitted by Your name (Please print) _____  Your mailing address _____  City/State/Zip Code _____  Telephone Number _____
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18. Statement of Responsibilities  I, the undersigned, hereby agree to accept full responsibility for reclamation of all mined lands as described and submitted herein and in conjunction with the applicable requirements of Articles 1 and 9 (commencing with Sections 3500 et seq. and 3700 et seq., respectively) of Chapter 8 of Division 2 of Title 14 of the California Code of Regulations, the Surface Mining and Reclamation Act commencing with Section 2710 et seq., and with any modifications requested by the administering agency as conditions of approvals.  <b>SIGNATURE OF SUBMITTER</b> _____ <b>Date</b> _____  <b>TITLE OF SUBMITTER</b> _____  <p style="text-align: center;"><b>STATE MINING AND GEOLOGY BOARD</b>  <b>801 K Street, Suite 2015</b>  <b>Sacramento, CA 95814</b></p>
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19. Lead Agency Certification  I, the undersigned, hereby certify that this reclamation plan complies with the applicable requirements of Articles 1 and 9 (commencing with Sections 3500 et seq., respectively) of Chapter 8 of Division 2 of Title 14 of the California Code of Regulations, and with the requirements of the Surface Mining and Reclamation Act, Sections 2710 et seq.	
<b>SIGNATURE OF BOARD'S DESIGNEE</b> _____ <b>Date</b> _____	
<b>TITLE OF BOARD'S DESIGNEE</b> _____	
Approved [jrw1] by _____	Date _____

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20. Attachments

- Approved Reclamation Plan (Attach only if this is a proposed change to an existing approved plan)
- Financial Assurance Cost Estimate
- Approved Financial Assurance Mechanism and Proof of Approval\*
- Storm Water Pollution and Prevention Plan\*
- CEQA Mitigation and Monitoring Plan\* (Attach if mitigation measures were imposed in approving the reclamation plan)
- Mining or Conditional Use Permit\* (if this is a change to an approved permit)
- Other Permits\* (as applicable):
  - Storm Water Permits
  - Department of Fish and Game Lake and Streambed Alteration Agreement
  - U.S. Army Corps of Engineers Section 301 Permit
  - U.S. Army Corps of Engineers Section 404 Permit
  - U.S. Army Corps of Engineers Section 10 Permit
  - Others: \_\_\_\_\_

- Note: Attach for proposed reclamation plan amendment. For new reclamation plans, check box to indicate that the document will be forwarded to the SMGB prior to commencement of mining operations.