

INSTRUCTIONS FOR PREPARATION OF APPLICATION FORM FOR SURFACE MINING PERMIT AND/OR RECLAMATION PLAN

KERN COUNTY PLANNING DEPARTMENT
2700 "M" Street, Suite 100
Bakersfield, CA 93301
(661) 862-8600

Specific instructions are given below for certain items in the suggested model plan:

Item 1. Applicant. Answer Items 3 - 7, where applicable, as "Same as applicant." If the actual reclamation is to be conducted by a person other than the applicant or operator, name and address of said person shall be indicated.

Item 3. If more than one owner, enter name and address of each. If more than one parcel is included in the operation, enter the owners of each parcel. This information is needed under Item 25 below. If the surface and mineral rights are separated, show the owners of surface rights under this item. On federal land, enter USA as owner, with administrating agency (e.g., USFS, BLM, NPS).

Item 4. Owner of Mineral Rights. List, if separate from surface owner. If a mining claim, indicate the owner(s) of the possessory rights (claim owner).

Item 6. Operator. List as individual, partnership, corporation, etc. If a joint venture, also show name of managing person or concern.

Item 8. Brief description, including legal, of the mined lands (see definition in Guidelines or Act - Section 2729) in either metes and bounds or by land office subdivisions. Show section(s), township, and range.

Item 10. Location and Vicinity Map. It is suggested that this be shown on a USGS 7 1/2-minute topographic quadrangle sheet (Scale: 1" = 2000') unless larger-scale maps are available. If these are not available, or if the operation is extensive, 15-minute sheets (Scale: 1" = 1 mile) may be used. Contours, roads, drainage, adjacent towns, etc., should be shown, as well as the site of the operation.

Item 12. A brief and concise answer is requested for this item, including only essential data on geologic formations, structures, rocks, and minerals, and nature of the mineral deposit.

Item 13. If an Environmental Impact Report (EIR) has been or is being filed for the project, the answer to this item may be very brief in outline form, with reference to the EIR. Reference to the EIR may be used to simplify answers to other pertinent items also. Note that soil conditions will be covered in more detail in Item 32.

Item 14. If the applicant's surface mine was already in operation on January 1, 1976, or the operation was conducted prior to that date, so state. If applicant has elected to "phase" his operation, indicate duration of first phase. For anticipated life of long-term operations, show estimated range (e.g., 35 - 50 years).

Items 15. If more than one individual pit or quarry is included in the plan, answer these items for each such operation. Note that either tons, or cubic yards (in-place), are requested. The unit not used should be crossed out. Include all ore, minerals, over-burden, and waste as one total quantity in answering.

Items 18, 19 and 20. In the case of large, integrated operations with several separate mines or pits, it will be to the advantage of the applicant to answer these items in sufficient detail not only for clarifying the nature of his operation, but also for protecting his vested rights under the provisions of the Act. The principal map should be of a scale sufficient to show the required details clearly. For a large operation, a smaller-scale, overall map with larger-scale detail maps of the critical areas may be more practical. In long-range operations, precision of detail is not as important as a clear exposition of the operation. The use of symbols or map overlays is recommended to simplify the map preparation. Aerial photographs may be substituted for maps where they adequately indicate the required information.

Item 21. Applicant shall consult with the Lead Agency before completing this item.

Items 24 through 35. Refer to the referenced section of SMARA for specific requirements. The applicant may contact Staff for further clarification.

A checklist has been prepared for items to be discussed in all reclamation plans and is attached to these instructions. Please be sure the proposed reclamation plan addresses all the items included in the checklist. Applicants are encouraged to make copies of the application and checklist before using them. Having a sufficient amount of the necessary forms will enable the applicant to formulate and self-review an initial draft before submitting the final version. It is not necessary to return a completed checklist with an application.

The State Office of Mine Reclamation will be sent a complete copy of the application. Applicants are encouraged to attach additional pages, if necessary, to ensure that all reclamation plan submittal requirements are satisfied. ***Typically, a surface mining permit and/or reclamation plan will require approximately four to five months to process from the date the application is deemed complete, unless an Environmental Impact Report is required, in which case approximately one year will be required for processing.*** Please note, Public Resources Code Section 2207 and California Code of Regulations Section 3697 require a new mining operation to submit an initial report to the Department of Conservation before one of the following occurs:

- (1) Commencement of operations; or
- (2) 30 days from permit approval

These requirements apply to all mining operations in the State, including operations on federal lands. For mining operations outside of incorporated city jurisdictions, Kern County is defined as the lead agency by SMARA. Copies of the New Mining Operation Report form (MRRC-3) can be obtained from the Department of Conservation. As stated in the MRRC-3 instructions, the completed report with the required reporting fee should be sent to the following address:

Department of Conservation
Office of Mine Reclamation
801 K Street, MS 09-06
Sacramento, CA. 95814-3529

The telephone number for the Department of Conservation is (916) 323-8567.

**APPLICATION FOR
SURFACE MINING PERMIT AND/OR RECLAMATION PLAN
KERN COUNTY PLANNING DEPARTMENT**

OWNER, OPERATOR, AND AGENT:

1. Applicant:

Name
Address

Telephone

2. Name (if any) of Mineral Property:

3. Property Owner(s) or Owner(s) of Surface Rights (list all owners):

Name
Address

Telephone

4. Owner(s) of Mineral Rights:

Name
Address

Telephone

5. Lessee:

Name
Address

Telephone

6. Operator:

Name
Address

Telephone

OWNER, OPERATOR, AND AGENT: (continued):

7. Agent of Process (person designated by operator as his agent for the service of process):

Name
Address

Telephone

(Reference SMARA 2772(C)(1))

LOCATION:

8. Brief description, including legal, of the extent of the mined lands (to be) involved by this operation, including total acreage:

Section(s) _____, Township _____, Range _____, _____ B&M

Assessor's Parcel Number (APN) _____

(Reference SMARA 2772(C)(5))

9. Description of the access route to the operation site:

(Reference SMARA 2772(C)(11))

10. Attach Location and Vicinity Map.

(Reference SMARA 2772(C)(11))

DESCRIPTION:

11. Mineral commodity (to be) mined:

(Reference SMARA 2772(C)(2))

DESCRIPTION (continued):

12. Geologic description, including brief general geologic setting, more detailed geologic description of the mineral deposit (to be) mined, and principal minerals or rock types present:

(Reference SMARA 2773(a))

13. Brief description of environmental setting of the site and the surrounding areas, including existing area land use, soil, vegetation, groundwater elevation, surface water characteristics, average annual rainfall, and/or any other factors pertaining to environmental impacts and their mitigation and reclamation:

(Reference SMARA 3502 (b)(1))

PROPOSED (EXISTING) SURFACE MINING OPERATION:

14. Time Frame of Project
- a. Proposed Starting Date of Operation: _____
Estimated Life of Operation: _____
Duration of First Phase: _____
- b. Operation will be (is):
Continuous _____ Seasonal _____ Intermittent _____
Developed, Not Temporarily Stockpile
Yet in Operation _____ Deactivated _____ in Mine _____

(Reference SMARA 2772(C)(3))

PROPOSED (EXISTING) SURFACE MINING OPERATION (continued):

15. Project Production

a. Annual production will be (is):

Under 5,000 tons/cubic yds/yr _____
5,000 - 50,000 tons/cubic yds/yr _____
50,000 - 250,000 tons/cubic yds/yr _____
250,000 - 1,000,000 tons/cubic yds/yr _____
Over 1,000,000 tons/cubic yds/yr _____

b. Total anticipated production:

Mineral commodities to be removed - (circle one) tons / cubic yds) _____
Waste retained on the site - (circle one) tons / cubic yds) _____
Waste disposed off site - (circle one) tons / cubic yds) _____
Maximum anticipated depth _____ ft

(Reference SMARA 2772(C)(2) and (4))

16. Mining Method (check all applicable):

a.	Open Pit	_____	Gravel/Sand Pit	_____
	Single Bench	_____	Drill and Blast	_____
	Quarry:		Clay Pit	_____
	Hill Top	_____	Truck to Processing	
	Multibench	_____	Plant (to RR)	_____
	Side Hill	_____	Borrow Pit	_____
	Dragline	_____	Tailings Ponds	_____
	Low Level	_____	Slurry Pump	_____
	Shovel	_____	Waste Dump	_____
	Underground	_____	Rail	_____
	Gravel Bar Skimming	_____	Other	_____

b. Identify the number and types of vehicles and equipment used in addition to their ADT (average daily trips).

c. Maximum number of employees on site at any one time _____

(Reference SMARA 2772(C)(11))

PROPOSED (EXISTING) SURFACE MINING OPERATION (continued):

17. Processing:

- a. If processing of the ores or minerals mined is planned to be conducted at or adjacent to the site, briefly describe the nature of the processing and explain disposal method of the tailings or waste from processing.

- b. Estimate quantity (gallons per day) and quality of water required by the proposed operation, specifying proposed sources of this water and method of its conveyance to this property and the quantity and quality and method of disposal of used and/or surplus water.

(Reference SMARA 2772(C)(11))

18. If the nature of the deposit and the mining method used will permit, describe and show the steps or phases of the mining operation that allow concurrent reclamation, and include a proposed time schedule for such concurrent activities.

(Reference 2772(C)(6) and 3503(a)(1))

19. Attach a map of the mined lands showing the following information:

- a. Boundaries and topographic details of the site.
- b. Location of all streams, roads, railroads, water wells, structures, dwellings, and utility facilities within 500 feet of the site.
- c. Location of all currently proposed access roads to be constructed in conducting the surface mining operation.
- d. Location of areas (to be) mined, and of waste dumps and tailings ponds.
- e. By use of symbol or map overlay, depiction of separate mining phases, if applicable.
- f. The source of map base, orientation (North arrow), and scale (e.g., 1" = 500', etc.) of the map.

(Reference 2772(C)(5))

RECLAMATION PLAN:

20. Indicate on an overlay of map of Item 19, or by symbol on map, those areas to be covered by reclamation plan.

Acreage _____

(Reference SMARA 2772(C)(5))

21. Describe the ultimate physical condition of the site and specify proposed use(s), or potential use(s), of the mined lands as reclaimed.

(Reference SMARA 2772(C)(7))

22. Provide evidence that all owners of a possessory interest in the land have been notified of the proposed use(s) or potential use(s) identified in Item 21. (Attach copy of notarized statement of acknowledgment, etc.)

(Reference SMARA 2772(C)(7))

23. Describe how implementation of the reclamation plan will affect future mining in the area.

(Reference SMARA 2772(C)(9))

24. Describe how the proposed reclamation plan will affect public health and safety, giving consideration to the degree and type of present and probable future exposure of the public to the site.

(Reference SMARA 3502(b)(2))

25. Describe how the project will adhere to the specified requirements for protection of wildlife habitat.

(Reference SMARA 3703 and 3503(c))

RECLAMATION PLAN: (continued)

26. Describe the reclamation procedures used to ensure adherence with the specified requirements for backfilling, regrading, slope stability, and recontouring. Indicate on map (Items 19 - 20) or on diagrams as necessary. Discussion should explain why final cut slopes proposed have a minimum slope stability factor of safety which is suitable for the proposed end use and conform with surrounding topography and/or approved end use. Additionally, a sufficient number of cross-sections, no larger than 11 inches by 17 inches, which demonstrate existing and proposed final slopes should be incorporated into the plan. **NOTE:** If any final reclaimed fill slopes exceed 2:1 (horizontal to vertical), submit specific geologic and engineering analysis which demonstrates the proposed slope has a minimum slope stability factor of safety that is suitable for the proposed end use and when the proposed final slope can be successfully revegetated.

(Reference SMARA 3704 and 3502(b)(3))

27. If revegetation is proposed, describe what procedures will be employed to ensure adherence with the specified requirements. Indicate on map (Items 19 - 20) or on diagrams as necessary. If revegetation is not applicable, indicate why not. At a minimum, the plan should include or elaborate on the following:
- a. A baseline study documenting the vegetative density, cover, and species richness of the site.
 - b. Test plots to be employed/monitoring.
 - c. Need for decompaction.
 - d. Need for soil analysis.
 - e. Proposed revegetation mix.
 - f. When planting will be conducted.
 - g. Need for irrigation.
 - h. Protection measures to be employed.
 - i. Success of revegetation.

* Success of revegetation will be judged upon the effectiveness of the vegetation for the approved end use, and by comparing the quantified measures of vegetative cover, density, and species richness; therefore, the plan will also need to specify:

<u>BASELINE</u>		<u>PERFORMANCE STANDARD</u>	
Density	-	Density	-
Cover	-	Cover	-
Species	-	Species	-
Richness	-	Richness	-

(Reference SMARA 3705 and 3503(g))

RECLAMATION PLAN: (continued)

28. Describe the reclamation procedures used to ensure adherence with the specified requirements for drainage, diversion structures, waterways, and erosion control. Additionally, indicate on map (Items 19 - 20) or on diagrams as necessary the following:
- a. All existing, interim, and final drainage patterns.
 - b. Location of any diversion structures. If not applicable, indicate why not.
 - c. Erosion control facilities (i.e. sumps).

(Reference SMARA 3706, 3710, 3502(b)(6), 3503(a)(3),(b)(1),(d) and (e), 2772(c)(8)(b))

29. Describe the reclamation procedures used to ensure adherence with the specified requirements for prime agricultural land reclamation. If not applicable, please explain why.

(Reference SMARA 3707)

30. Describe the reclamation procedures used to ensure adherence with the specified requirements for other agricultural land reclamation. If not applicable, please explain why.

(Reference SMARA 3708)

31. Describe the reclamation procedures used to ensure adherence with the specified requirements for building, structure, and equipment removal. Additionally, indicate on the map (Items 19 - 20) or on diagrams as necessary the following:
- a. Where all equipment, supplies, and other materials will be stored.
 - b. Identify which buildings, structures, and equipment will be: (1) dismantled and removed off site; and/or (2) remain on site as consistent with the approved end use.

(Reference SMARA 3709 and 3502(b)(5))

32. Describe soil conditions. Elaborate on the reclamation procedures used to ensure adherence with the specified requirements for topsoil salvage, maintenance, and distribution.

(Reference SMARA 3711, 3707(b) and 3503(f) and (a)(2))

RECLAMATION PLAN: (continued)

33. Describe how contaminants will be controlled and mine waste will be disposed of (i.e., refuse, fuel storage, tailings, etc.), especially with regard to surface runoff and groundwater. Indicate on map (Items 19 - 20) or on diagrams as necessary.

(Reference SMARA 3712 and 2772(c)(8)(a))

34. Describe the reclamation procedures used to ensure adherence with the specified requirements for closure of surface openings. If not applicable, please explain why.

(Reference SMARA 3713)

35. Financial Assurances

Upon approval of the surface mining permit and reclamation plan and prior to commencement of surface mining operations, financial assurance(s) ensuring that reclamation is performed in accordance with the surface mining operation's approved reclamation plan must be submitted to and approved by Kern County. Financial assurances may take the form of surety bonds, irrevocable letters of credit, trust funds, or other forms of financial assurances specified by the State Mining and Geology Board and Kern County.

Financial assurance instruments shall be made payable to "Kern County or the Department of Conservation." The financial assurance may also be made payable to additional public agencies, including federal agencies responsible for enforcing reclamation requirements over the mining operation. Financial assurances, along with a copy of the itemized reclamation cost estimate (*based on the approved reclamation plan*), must be submitted to Kern County for review and approval prior to commencement of mining operations. The amount of financial assurances required of a surface mining operation for any one year shall be adjusted annually to account for new lands disturbed by surface mining operations, inflation, and reclamation of lands accomplished in accordance with the approved reclamation plan.

RECLAMATION PLAN: (continued)

35. Financial Assurances (continued)

The permit application shall include a detailed, itemized estimate of reclamation costs. *The assumption when preparing the estimate is that the mine operator is incapable of performing the work or has abandoned the surface mining operation, thereby resulting in the County or State hiring an independent contractor to perform the reclamation work.* At a minimum, the detailed itemized estimate of all associated reclamation costs shall include, but is not limited to:

- a. Costs of backfilling, regrading, slope stabilization, and recontouring.
- b. Costs of revegetation and wildlife habitat replacement, including any monitoring.
- c. Costs of final engineering design.
- d. Costs of labor, including supervision.
- e. Costs of mobilization.
- f. Costs of equipment.
- g. Costs of removal of buildings, structures, and equipment.
- h. Costs associated with reduction of specific hazards, such as: heap leaching facilities, chemical processing ponds, soil decontamination, in-water slopes, highwalls, landslides, subsidence, or other mass ground failure.
- i. Costs of drainage and erosion control measures.
- j. Costs of soil tests.
- k. Costs of haul road ripping and reseeded.
- l. Costs of fencing.
- m. Costs of liability insurance.
- n. Costs of long-term stabilization, control, containment of waste solids and liquids.

(Reference SMARA 2773.1)

FOR OFFICE USE ONLY

Date Accepted: _____ Received By: _____ **FEES**
Case # _____ Map # _____ S.D. # _____ Case \$ _____
Floodplain _____ Zoning Ord. Sec. _____ Env'l _____
G.P/S.P. _____ Consistent _____ Not Consistent Other _____
Element or Name

Reviewed By: _____ Other _____

Total \$ _____

NOTES: _____

Recpt # _____

Attachments

STATEMENT OF RESPONSIBILITY

In consideration of approval by the Board of Zoning Adjustment of the County of Kern of this application for a Surface Mining Permit and/or Reclamation Plan, the undersigned, jointly and severally, hereby covenants with Kern County as follows:

- (1) That all of the provisions of said permit and/or plan and any and all conditions appended thereto shall be faithfully performed and completed by the undersigned within the time therein provided, or within any additional time as may be allowed pursuant to the Ordinance Code of Kern County (Chapter 19.100).
- (2) That the obligations of the undersigned to perform and complete the provisions of said permit and/or plan, including any and all conditions appended thereto, shall be subject to the provisions of said Ordinance Code which are incorporated herein by reference.
- (3) That the place of performance by the undersigned of the covenants herein shall be the County of Kern, State of California.
- (4) That any notice required to be given, or otherwise given to the undersigned may be by personal service or by ordinary United States mail, postage prepaid, and addressed to the agent, or any of the agents, named in paragraph 7 of the application filed by the undersigned.

Dated this _____ day of _____, 19_____.

(Permittee(s) herein)

(Reference SMARA 2772.C.10)

SURFACE MINING AND RECLAMATION ACT OF 1975
ARTICLE 1. GENERAL PROVISIONS. SECTION 2710 et seq.
ARTICLE 2. DEFINITIONS. SECTION 2725 et seq.
ARTICLE 3. DISTRICT COMMITTEES. SECTION 2740 - 2741.
ARTICLE 4. STATE POLICY FOR THE RECLAMATION OF MINED LANDS. SECTION 2755 et seq.
ARTICLE 5. RECLAMATION PLANS AND THE CONDUCT OF SURFACE MINING OPERATIONS.
SECTION 2770 et seq., as amended
CCR TITLE 14 (REGISTER 85, NO. 18-5-4-85)
CHAPTER 8. MINING AND GEOLOGY
SUBCHAPTER 1. STATE MINING AND GEOLOGY BOARD
ARTICLE 1. SURFACE MINING AND RECLAMATION PRACTICE. SECTION 3500 et seq.
ARTICLE 9. RECLAMATION STANDARDS. SECTION 3700 et seq.

<u>YES</u>	<u>NO</u>	<u>?</u>	<u>N/A</u>		
				<u>Mining Operation and Closure</u>	
—	—	—	—	SMARA 2770.5	100-year flood, CalTrans contact.
—	—	—	—	SMARA 2772 (c) (1)	Name and address of operator/agent.
—	—	—	—	SMARA 2772 (c) (2)	Quantity & type of minerals to mined.
—	—	—	—	SMARA 2772 (c) (3)	Initiation and termination date.
—	—	—	—	SMARA 2772 (c) (4)	Maximum anticipated depth of mining.
—	—	—	—	SMARA 2772 (c) (5)	Description, including map with boundaries, topographic details, geology, streams, roads, utilities.
—	—	—	—	SMARA 2772 (c) (6)	Mining plan and time schedule for reclamation (concurrent or phased reclamation).
—	—	—	—	SMARA 2772 (c) (9)	Impact of reclamation on future mining.
—	—	—	—	SMARA 2772 (c)(10)	Applicant statement accepting responsibility for reclamation per the reclamation plan.
—	—	—	—	SMARA 2773.1	Performance (financial) assurances.
—	—	—	—	CCR 3502 (b) (2)	Public health and safety (exposure).
—	—	—	—	CCR 3713 (b)	All portals, shafts, tunnels, or openings, gated or protected from public entry, but preserve access for wildlife.
—	—	—	—	CCR 3502 (b) (5)	Disposition of old equipment.
—	—	—	—	CCR 3709 (a)	Equipment stored in designated area and waste disposed of according to ordinance.
—	—	—	—	CCR 3709 (b)	Structures and equipment dismantled and removed.

YES **NO** **?** **N/A**

— — — — CCR 3713 (a) Drill holes, water wells, monitoring wells abandoned in accordance with laws.

End Land Use

— — — — SMARA 2772 (c) (7) Proposed subsequent use.

— — — — CCR 3704 (e) Final landforms conform with surrounding topography or end use.

— — — — CCR 3707 (a) Return prime ag to prime ag, unless exempted.

— — — — CCR 3707 (c) Productivity rates equal pre-project or similar site for two consecutive years. Rates set forth in plan.

— — — — CCR 3708 Other ag capable of sustaining crops of area.

— — — — SMARA 2772 (c) (8) Description of reclamation measures adequate for proposed end use.

— — — — CCR 3706 (a) Mining and reclamation to protect downstream beneficial uses.

Geotechnical Requirements

— — — — CCR 3502 (b) (3) Slopes: critical gradient, consider physical properties and landscaping.

— — — — CCR 3704 (f) Cut slopes have minimum factor of safety for end use and conform with surrounding topography.

— — — — CCR 3502 (b) (4) Fill materials in conformance with current engineering technology.

— — — — CCR 3704 (a) For urban use, fill compacted in accordance with UBC or local grading ordinance.

— — — — CCR 3704 (b) For resource conservation, compact to standard for that end use.

— — — — CCR 3704 (d) Final reclamation fill slopes not exceed 2:1, except when engineering and revegetation analysis allow.

— — — — CCR 3704 (e) Final landforms of fills conform with surrounding topography or end use.

Hydrology and Water Quality

— — — — CCR 3710 (a) Surface and groundwater protected in accordance with Porter-Cologne and Clean Water Acts (RWQCB/SWRCB).

— — — — CCR 3706 (a) Mining and reclamation to protect downstream beneficial uses.

<u>YES</u>	<u>NO</u>	<u>?</u>	<u>N/A</u>		
—	—	—	—	CCR 3706 (b)	Water quality, recharge, and groundwater storage shall not be diminished, except as allowed by plan.
—	—	—	—	CCR 3503 (b) (2)	Prevent siltation of groundwater recharge areas.
—	—	—	—	SMARA 2773 (a)	Water quality monitoring plan specific to property.
—	—	—	—	CCR 3713 (a)	Drill holes, water wells, monitoring wells abandoned in accordance with laws.
—	—	—	—	CCR 3503 (e)	Erosion and drainage (grading to drain to natural courses or interior basins).
—	—	—	—	SMARA 2772(c)(8)(b)	Rehabilitation of streambanks/beds to minimize erosion.
—	—	—	—	CCR 3502 (b) (6)	Temporary stream and water diversions shown.
—	—	—	—	CCR 3503 (a) (3)	Erosion control facilities (dikes, ditches, etc.) as necessary.
—	—	—	—	CCR 3706 (c)	Erosion and sedimentation controlled during all phases as per RWQCB/SWRCB.
—	—	—	—	CCR 3503 (b) (1)	Settling ponds (sedimentation and water quality).
—	—	—	—	CCR 3706 (d)	Surface runoff and drainage controlled and methods designed for not less than 20 year/1 hour intensity storm event.
—	—	—	—	CCR 3706 (e)	Altered drainages shall not cause increased erosion or sedimentation.
—	—	—	—	SMARA 2773 (a)	Sediment and erosion control monitoring plan specific to property.
—	—	—	—	CCR 3503 (d)	Disposal of mine waste and overburden (stable--no natural drainage restrictions without suitable provisions for diversion).
—	—	—	—	SMARA 2772(c)(8)(a)	Description of contaminant control and mine waste disposal.
—	—	—	—	CCR 3503 (a) (2)	Overburden stockpiles managed to minimize water and wind erosion.
—	—	—	—	CCR 3704 (g)	Piles or dumps not placed in wetlands without mitigation.
—	—	—	—	CCR 3711 (e)	Topsoil redistributed in stable site and consistent thickness.
—	—	—	—	CCR 3712	Waste and tailings, and waste disposal governed by SWRCB (Article 7, Chapter 15, Title 23, CCR).
—	—	—	—	CCR 3710 (b)	In-stream in accordance with DFG 1600, EPA 404, and Sec. 10 Rivers and Harbors.

<u>YES</u>	<u>NO</u>	<u>?</u>	<u>N/A</u>		
—	—	—	—	CCR 3710 (c)	In-stream channel elevations and bank erosion evaluated annually using extraction quantities, cross-sections, aerial photos.
—	—	—	—	CCR 3706 (f)	Stream diversions constructed in accordance with DFG 1603, EPA 404, Sec. 10 Rivers and Harbors.
—	—	—	—	CCR 3706 (g)	All temporary diversions eventually removed.
<u>Environmental Setting and Protection of Fish and Wildlife Habitat</u>					
—	—	—	—	CCR 3502 (b) (1)	Environmental setting and impact of reclamation on surrounding land uses. (Identify sensitive species, wildlife habitat, sensitive natural communities, e.g., wetlands, riparian zones, etc.)
—	—	—	—	CCR 3705 (a)	Vegetative cover, suitable to end use, self-sustaining. Baseline studies documenting cover, density and species richness.
—	—	—	—	CCR 3503 (c)	Protection of fish and wildlife habitat (all reasonable measures).
—	—	—	—	CCR 3703 (a)	Sensitive species conserved or mitigated.
—	—	—	—	CCR 3703 (b)	Wildlife habitat at least as good as pre-project, if approved end use is habitat.
—	—	—	—	CCR 3703 (c)	Wetlands avoided or mitigated at 1:1 minimum.
—	—	—	—	CCR 3704 (g)	Piles or dumps not placed in wetlands without mitigation.
—	—	—	—	CCR 3706 (a)	Mining and reclamation to protect downstream beneficial uses.
—	—	—	—	CCR 3706 (f)	Stream diversions constructed in accordance with DFG 1603, EPA 404, Sec. 10 Rivers and Harbors.
—	—	—	—	CCR 3706 (g)	All temporary diversions eventually removed. (Restore wildlife habitat).
—	—	—	—	CCR 3710 (a)	Surface and groundwater protected.
—	—	—	—	CCR 3710 (b)	In-stream in accordance with DFG 1600, EPA 404, and Sec. 10 Rivers and Harbors.
—	—	—	—	CCR 3710 (c)	In-stream channel elevations and bank erosion evaluated annually using extraction quantities, cross-sections, aerial photos.
—	—	—	—	CCR 3710 (d)	In-stream not cause fish impacts according to DFG 1600.

YES **NO** **?** **N/A**

— — — — CCR 3713 (b) All portals, shafts, tunnels, or openings, gated or protected from public entry, but preserve access for wildlife.

Resoiling and Revegetation

— — — — CCR 3503 (f) Resoiling (fine material on top plus mulches).

— — — — CCR 3704 (c) Mine waste stockpiled to facilitate phased reclamation and separate from growth media.

— — — — CCR 3711 (a) All salvageable topsoil removed. Topsoil and vegetation removal not process mining by more than one year.

— — — — CCR 3711 (b) Topsoil resources mapped prior to stripping, location of stockpiles on map. Topsoil and growth media in separate stockpiles.

— — — — CCR 3711 (c) Soil salvage and phases set forth in plan, minimize disturbance, designed to achieve revegetation success.

— — — — CCR 3707 (b) Segregate and replace topsoil by horizon.

— — — — CCR 3711 (d) Topsoiling phased ASAP. Stockpiles not be disturbed until needed. Stockpiles clearly identified and planted with vegetation or otherwise protected.

— — — — CCR 3711 (e) Topsoil redistributed in stable site and consistent thickness. Harbors.

— — — — CCR 3705 (d) Roads stripped of roadbase materials, resoiled and revegetated, unless exempted.

— — — — CCR 3705 (e) Soil altered or other than native topsoil, required soil analysis. Amend if necessary.

— — — — CCR 3707 (d) Fertilizers and amendments not contaminate water.

— — — — CCR 3503 (g) Revegetation and plant survival (use available research).

— — — — CCR 3503 (a) (1) Removal of vegetation and overburden preceding mining kept to a minimum.

— — — — SMARA 2773 (a) Revegetation plan specific to property. Monitoring plan.

— — — — CCR 3705 (a) Vegetative cover, suitable to end use, self-sustaining. Baseline studies documenting cover, density and species richness.

— — — — CCR 3705 (b) Test plots if success has not been proven previously.

— — — — CCR 3705 (c) Decompaction of site.

<u>YES</u>	<u>NO</u>	<u>?</u>	<u>N/A</u>		
—	—	—	—	CCR 3705 (d)	Roads stripped of roadbase materials, resoiled and revegetated, unless exempted.
—	—	—	—	CCR 3705 (f)	Temporary access not bladed. Barriers installed.
—	—	—	—	CCR 3705 (g)	Use native plant species, unless exotic species meet end use.
—	—	—	—	CCR 3705 (h)	Plant during correct season.
—	—	—	—	CCR 3705 (i)	Erosion control and irrigation, when necessary.
—	—	—	—	CCR 3705 (j)	If irrigated, demonstrate self-sustaining without for two-year minimum.
—	—	—	—	CCR 3705 (k)	Weeds managed.
—	—	—	—	CCR 3705 (l)	Plant protection measures, fencing, caging.
—	—	—	—	CCR 3705 (m)	Success quantified by cover, density and species-richness. Standards proposed in plan. Sample method set forth in plan and sample size provide 80 percent confidence level, as minimum.

Administrative Requirements

—	—	—	—	SMARA 2774 (b)	Annual inspection.
—	—	—	—	SMARA 2776	All mining operations since 1/1/76 included in reclamation plan.
—	—	—	—	SMARA 2777	Amended reclamation plans required prior to substantial deviations to approved plans.
—	—	—	—	PRC 21151.7	EIR required for cyanide heap leaching.

NOTES: