



COUNTY OF SANTA BARBARA

Planning and Development

www.sbcountyplanning.org

CONDITIONAL USE PERMIT RECLAMATION PLAN

CONDITIONAL USE PERMIT (CUP) RECLAMATION PLAN – Required by the County to carry out the provisions of the California Surface Mining and Reclamation Act of 1975 (SMARA). Prior to the commencement of any surface mining operations, a Conditional Use Permit for mining and a Reclamation Plan must be approved. Unless an existing mining operation is vested (per SMARA Section 2776), approvals must be obtained prior to commencement of operations. If vested, only the approval of a Reclamation Plan is required.

THIS PACKAGE CONTAINS

- ✓ SUBMITTAL REQUIREMENTS
- ✓ APPLICATION
- ✓ INDEMNIFICATION AGREEMENT

AND, IF ✓'D, ALSO CONTAINS

- AGREEMENT FOR PAYMENT OF PROCESSING FEES**
[Click to download Agreement to Pay form](#)
- AGRICULTURAL ACTIVITIES SUPPLEMENT**
[Agricultural Activities Supplement form](#)
- ORDINANCE 661 INFORMATION**
[Click to download Ordinance 661 information](#)
- PLAN AND MAP REQUIREMENTS**
[Click to download Site Plan and Topographical Map Requirements](#)

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123 E. Anapamu Street
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Phone: (805) 568-2000
Fax: (805) 568-2030

North County Office
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Updated by DE 101818

SUBMITTAL REQUIREMENTS FOR A CUP AND RECLAMATION PLAN

Military Land Use Compatibility Planning Requirements

Is the site located in an area with any military uses/issues? Yes No

Please review the website to determine applicability. <http://cmluca.gis.ca.gov/>. This requirement applies to all General Plan Actions and Amendments, and Development Projects that meet one or more of the following conditions:

- 1) Is located within 1,000 feet of a military installation,
- 2) Is located within special use airspace, or
- 3) Is located beneath a low-level flight path

Copy of report attached? Yes No

Cities Sphere of Influence

Is the site within a city sphere of influence?¹ Yes No

If yes, which city? _____

- ___ 14 Copies of completed application.
(if the parcel is currently under AG Preserve Contract, submit 7 additional copies)
- ___ 14 Copies of mining site plan.
[Click to download Site Plan and Topographical Map Requirements](#)
- ___ 14 Copies of a regional geologic index map at a scale of 1" = 2000'.
- ___ 14 Copies of a topographic map at a scale of 1" = 100' to 1" = 500' showing the final site configuration. [Click to download Site Plan and Topographical Map Requirements](#)
- ___ 14 Copies of Reclamation Plan Map. (if different from mining plan)
- ___ 14 Copies of an 8 1/2" x 11" vicinity map showing project location with respect to identifiable landmarks, roadways, etc.
- ___ 2 Copies of a map showing locations of borings, tests, samples, etc. (Proprietary data will not be part of the public record).
- ___ 2 Copies of any soils report, and geologic or hydrologic studies.
- ___ 2 Copies of data for all water wells on or near the mine site that indicate well location, elevation, depth, aquifer, yield, quality, use, pump location, perforations, and static water level.
- ___ 2 Copies of a hazardous waste minimization plan, where applicable.
- ___ 1 Stormwater Control Plan for Regulated Projects (See Section V).

¹ If additional information is needed regarding location of a City's Sphere of Influence, please contact our zoning information counter.

- ___ 2 Copies of the site plan reduced to 8 ½" x 11".
- ___ 2 Copies of a recent aerial photo at a scale sufficient to identify vegetation and structures. Outline property in grease pencil or colored tape.
- ___ 1 Description of the land, title or lease held by the applicant.
- ___ 1 Copy of the names and addresses of the owners of all surface and mineral rights in the property with a notarized statement of acknowledgement that all owners have been notified of the use(s) proposed in this application.
- ___ 1 Check payable to Planning and Development.
- ___ 1 Agreement to pay form
[Click to download Agreement to Pay form](#)
- ___ 1 Indemnification Agreement

SITE PLAN REQUIREMENTS FOR A RECLAMATION PLAN

SCALE: 1 inch = 100 feet (or larger, i.e., 1 inch = 20 feet)

SIZE: 36" by 48" (maximum)

ALL SITE PLANS MUST INCLUDE THE FOLLOWING AS APPLICABLE

General - Indicate the following:

- North arrow
- Assessor's Parcel Number(s)
- Boundaries and dimensions of the property
- Small-scale vicinity map portraying and orienting the boundaries of the project site with respect to surrounding areas and roads
- Location and use of all existing and proposed structures, and their distance from property lines.
- Location and use of all building and structures within 50 feet of the boundaries of the property.
- Location of existing roads, railroads, water wells and utility facilities within 500 feet of the boundaries of the property.
- Location and width of proposed roads and their connector roads.
- Location, type and height of any proposed fencing.

Project specific - Indicate the following:

- Location of areas to be mined.
- Location of waste dumps and tailing ponds.
- By use of overlay symbol or color, identify the separate mining phases, if applicable.
- By use of overlay symbol or color, identify the area to be covered by the Reclamation Plan and areas to be revegetated.
- Topographic details with a contour interval that allows for calculation of slope percentage. Areas on the property with a slope between 20% and 30% and over should be noted (shaded, etc.) on the map.

Trees – Depict all native and specimen trees using the following notations:

- Type
- **Size (trunk diameter 48" from ground surface)**
- Extent of canopy
- "to be removed" (if proposed for removal)
- Oak woodlands, and other types of dense cover may be depicted with a single canopy line.

Flooding - Indicate the following:

- 100 year flood plain, or floodway.
(consult the Federal Emergency Management Agency (FEMA) maps)
- Geologic "top of bank" of any creek or drainage.
- Proposed flood control measures or drainage devices.

- Year-round or seasonal creeks, ponds, drainage courses or other water bodies.

Miscellaneous - Indicate the following:

- Areas of geologic and seismic hazards.
- Unique geologic features such as fossil deposits, caves, etc.
- Recorded prehistoric or historic archaeological sites.
- Habitat resources or significant vegetation such as dense chaparral, riparian corridors, etc.

GEOLOGIC MAP REQUIREMENTS

- Indicate bedding geometry (strike and dip)
- Indicate boundaries of all geologic formations
- Indicate project boundaries
- Indicate folds, faults, joints, dikes, landslides and other significant geologic features (e.g., fossil deposits, caves)
- Indicate the location of all water wells.
- Include geologic cross sections which show:
 - Topography
 - Groundwater table
 - Structure of the underlying units
 - Profile of current mined area
 - Profile of total future mined area



PLANNING & DEVELOPMENT
PERMIT APPLICATION

SITE ADDRESS: _____

ASSESSOR PARCEL NUMBER: _____

PARCEL SIZE (acres/sq.ft.): Gross _____ Net _____

COMPREHENSIVE/COASTAL PLAN DESIGNATION: _____ ZONING: _____

Are there previous permits/applications? no yes numbers: _____
(include permit# & lot # if tract)

Did you have a pre-application? no yes if yes, who was the planner? _____

Are there previous environmental (CEQA) documents? no yes numbers: _____

1. Financially Responsible Person _____ Phone: _____ FAX: _____

(For this project)

Mailing Address: _____
Street City State Zip

2. Owner: _____ Phone: _____ FAX: _____

Mailing Address: _____ E-mail: _____
Street City State Zip

3. Agent: _____ Phone: _____ FAX: _____

Mailing Address: _____ E-mail: _____
Street City State Zip

4. Arch./Designer: _____ Phone: _____ FAX: _____

Mailing Address: _____ State/Reg Lic# _____
Street City State Zip

5. Engineer/Surveyor: _____ Phone: _____ FAX: _____

Mailing Address: _____ State/Reg Lic# _____
Street City State Zip

6. Contractor: _____ Phone: _____ FAX: _____

Mailing Address: _____ State/Reg Lic# _____
Street City State Zip

COUNTY USE ONLY

Case Number: _____ Companion Case Number: _____

Supervisorial District: _____ Submittal Date: _____

Applicable Zoning Ordinance: _____ Receipt Number: _____

Project Planner: _____ Accepted for Processing _____

Zoning Designation: _____ Comp. Plan Designation _____

III. GRADING: Will there be any grading associated with the project? Y N

(NOTE: For proposed access drives over 12% grade, a clearance letter from the Fire Dept. will be required)

CUT _____ cubic yards

AMOUNT TO BE EXPORTED _____ c.y.

FILL _____ c.y.

AMOUNT TO BE IMPORTED _____ c.y.

MAXIMUM VERTICAL HEIGHT OF CUT SLOPES _____

MAXIMUM VERTICAL HEIGHT OF FILL SLOPES _____

MAXIMUM HEIGHT OF ANY PROPOSED RETAINING WALL(S) _____

TOTAL AREA DISTURBED BY GRADING (sq. ft. or acres) _____

What is the address of the pick-up/deposit site for any excess cut/fill?

Specify the proposed truck haul route to/from this location.

IV. SITE INFORMATION

A. Is this property under an Agricultural Preserve Contract? Y N

B. Describe any unstable soil areas on the site.

C. Name and describe any year round or seasonal creeks, ponds, drainage courses or other water bodies. How is runoff currently conveyed from the site?

D. Has there ever been flooding on the site? Y N
If yes, state the year and describe the effect on the project site.

E. Describe any proposed drainage and/or flood control measures. How will storm water be conveyed across and from the site? Where will storm water discharge?

F. Will the project require the removal of any trees? Y N

If so, please list them here as requested. Attach additional sheets as necessary.

<u>Type</u>	<u>Diameter (at 4' height)</u>	<u>Height</u>

Explain why it is necessary to remove these trees.

G. Describe any noise sources that currently affect the site.

H. Are there any prehistoric or historic archaeological sites on the property or on neighboring parcels?

Y N Unknown

If yes, describe. _____

I. Describe all third party property interests (such as easements, leases, licenses, rights-of-way, fee ownerships or water sharing agreements) affecting the project site, provision of public utilities to the site or drainage off the site.

J. Have you incorporated any measures into your project to mitigate or reduce potential environmental impacts? Y N Unknown If so, list them here. (Examples include tree preservation plans, creek restoration plans, and open space easements.)

V. STORM WATER MANAGEMENT AND APPLICATION OF LOW IMPACT DEVELOPMENT FEATURES

Is the project located in the NPDES Permit Area² ? Y N Undetermined

If Yes and 2,500 square feet or more of new or replaced impervious area, the project shall comply with the following:

Tier 1. If the project is 2,500 square feet or more of new or replaced impervious area, submit a *Stormwater Control Plan for Small (Tier 1) Projects*¹ with this application that identifies Low Impact Development measures incorporated into the project design, such as:

- Limit disturbance of natural drainage features
- Limit clearing, grading, and soil compaction

² See www.sbprojectcleanwater.org under “Development” for map of the NPDES Permit Area, Stormwater Technical Guide, Stormwater Control Plan template, Stormwater Control Plan for Small (Tier 1) Projects, and a definition of Low Impact Development.

- Minimize impervious surfaces
- Minimize runoff by dispersing runoff to landscape or using permeable pavements

Tier 2. If the project is 5,000 square feet or more of new or replaced “net impervious” area (not Single Family Dwelling), or if the project is Single Family Dwelling with 15,000 square feet or more of new or replaced “net impervious” area, submit a *Stormwater Control Plan* with this application that identifies 1) Low Impact Development measures incorporated into the project design and 2) stormwater quality treatment measures. [“Net impervious” is defined as the sum of new and replaced impervious surface area minus any reduction in impervious, such as new landscaped area. It is an incentive for redevelopment projects to increase pervious area.]

Tier 3. If the project is 15,000 square feet or more of new or replaced impervious area, submit a *Stormwater Control Plan* with this application that identifies the above requirements and also identifies retention of stormwater runoff from a regulated storm event.

If No, the project is not located in the NPDES Permit Area, but is a Regulated Project, the project shall comply with the following:

Regulated Project:

1. Residential subdivision developments with 10 or more dwelling units;
2. Commercial development of 0.5 acres or greater;
3. Parking lots of 5,000 square feet or more or have 25 or more parking spaces and are potentially exposed to storm water runoff;
4. Automotive repair shops;
5. Retail gasoline outlets;
6. Restaurants, and
7. Any new development or redevelopment where imperviousness exceeds one acre.

Water Quality: Submit a *Stormwater Control Plan* with this application that identifies measures to reduce and remove pollutants from storm water runoff. The *Stormwater Control Plan* will follow the Tier 2 approach described in the Stormwater Technical Guide, with storm water treatment, source control, and LID³ measures.

VI. ACCESS

A. Describe the existing access road(s) to the site. Include road widths, shoulders, and type of surface material.

B. Does property front on a public street? Y N
 Is access to be taken from this public street? Y N
 Name of public street: _____

C. Will the proposed access utilize an easement across neighboring property? Y* N
***Submit documentation which supports the applicant's use of this easement.**

D. Describe proposed construction equipment access _____

³ Low Impact Development is a design approach that minimizes or eliminates pollutants in storm water through natural processes and maintains pre-development hydrologic characteristics, such as flow patterns, onsite retention, and recharge
 Updated by DE 101818

VII.DEVELOPMENT AND USE

A. Existing: Describe the existing structures and/or improvements on the site.

<u>Use</u>	<u>Size (sq ft)</u>	<u>Height</u>	<u># of Dwelling Units</u>
_____	_____	_____	_____
_____	_____	_____	_____

B. Proposed: Describe the proposed structures and/or improvements.

<u>Use</u>	<u>Size (sq ft)</u>	<u>Height</u>	<u># of Dwelling Units</u>
_____	_____	_____	_____
_____	_____	_____	_____

C. Will any structures be demolished or removed? _____ If so, please list them here as requested.

<u>Current Use</u>	<u>Historic Use</u>	<u>Age</u>	<u>Rental Price (if rented)</u>
_____	_____	_____	_____
_____	_____	_____	_____

D. Describe all other existing uses of the property.

E. How will the project affect the existing uses of the property?

F. Describe any other historic use(s) of the property. This may include agricultural (include crop type), commercial, or residential uses.

G. Provide a short description of the land uses surrounding the site.

North _____

South _____

East _____

West _____

H. STATISTICS: Mark each section with either the information requested or "n/a" if not applicable.

	<u>EXISTING</u>	<u>PROPOSED</u>	<u>TOTAL</u>
BUILDING COVERAGE	_____	_____	_____
IMPERMEABLE ROADS/PARKING/ WALKWAYS (sq. ft.)	_____	_____	_____
OPEN SPACE (sq. ft.)	_____	_____	_____
RECREATION (sq. ft.)	_____	_____	_____
LANDSCAPING (sq. ft.)	_____	_____	_____
AGRICULTURAL LANDS (sq. ft.)	_____	_____	_____
POPULATION (#) (employees/residents)	_____	_____	_____
DWELLING, HOTEL/MOTEL UNITS	_____	_____	_____
PARKING (on-site)			
TOTAL # OF SPACES	_____	_____	_____
# OF COVERED SPACES	_____	_____	_____
# OF STANDARD SPACES	_____	_____	_____
SIZE OF COMPACT SPACES	_____	_____	_____

Estimate the cost of development, excluding land costs. _____

VIII. PARCEL VALIDITY

P&D requires applications for development on vacant, unimproved property to provide clear evidence that the property is a separate legal lot. The following documents that show the subject property in its current configuration constitute acceptable evidence of a separate, legal lot: a recorded Parcel or Final Map, a recorded Official Map, a recorded Certificate of Compliance or Conditional Certificate of Compliance, an approved Lot Line Adjustment, a recorded Reversion to Acreage, a recorded Voluntary Merger or an approved Lot Split Plat.

A. Type of evidence provided to demonstrate a separate, legal lot:

Copy of evidence attached: Yes No

Reference number for evidence supplied: _____

IX. PUBLIC/PRIVATE SERVICES

A. WATER:

1. If the property is currently served by a private well, submit the following for each well:
 - a. Pumpage records (electrical meter or flow meter readings) for the past 10 years
 - b. Pump test data
 - c. Location of other wells within 500 feet
 - d. Water quality analysis
 - e. Drillers report (with construction details)
 - f. Copy of applicable well sharing agreement

2. Does the well serve other properties? Y N
 If yes, address(es): _____

3. Is a well proposed? Y N If so, will it serve other properties? Y N
 If yes, address(es): _____

4. If the property is currently served by a private or public water district, submit the following:
 - a. Name: _____

5. Will the project require annexation to a public or private water company? Y N
 If yes, name: _____

B. SEWAGE DISPOSAL:

1. Existing: Indicate if the property is currently served by the following:

	Yes/No	
a. Septic system*	_____	
b. Drywell*	_____	
c. Public sewer district	_____	If yes, name: _____

*Submit engineering details on septic tanks and dry wells, as well as calculations for leach field size, where applicable.

2. Proposed: Indicate what sewage disposal services are proposed as part of this project?
 - a. Septic system* _____
 - b. Drywell* _____
 - c. Public sewer district _____ District Name: _____

*Submit percolation tests and/or drywell performance tests as applicable.

3. Will the project require annexation to any public sewer district? Y N
 Name: _____

C. FIRE PROTECTION

1. Fire protection is (will be) provided by the _____ Fire Department.

(Montecito, Summerland, S.B. County)

2. Is there an existing water main infrastructure in the vicinity? Circle one: Yes No
3. How far away is the nearest standard fire hydrant? _____ feet.
4. Is a new fire hydrant proposed? Circle one: Yes No
5. If a new hydrant is proposed, what is the longest driving distance from the proposed hydrant to the proposed building(s)? _____ feet.
6. Will fire protection be provided by an on-site water storage tank? Circle one: Yes No
Tank capacity: _____ gallons
7. What is the driving distance from the water tank to the proposed structure(s)? _____ feet.
8. Is a fire sprinkler system proposed? Yes No Location _____
9. Describe the access for fire trucks. Include width and height clearance for access and surface material.

10. Will hazardous materials be stored or used? Y/N List any hazardous materials which may be used or stored on the site. _____

HAZARDOUS WASTE/MATERIALS

Please read and answer the following questions if, in the known history of the property, there has been any storage (above or underground) or discharge of hazardous materials or if the proposal includes storage, use or discharge of any hazardous material. Hazardous materials include pesticides, herbicides, solvents, oil, fuel, or other flammable liquids. Attach additional sheets if necessary.

Past & Present:

List any hazardous materials which have been or are currently stored/discharged/produced on the property. Describe their use, storage and method of discharge. Provide dates where possible.

If a characterization study has been prepared, please submit it with this application.

Is the project site on the County Site Mitigation list? Y N Unknown

Is the site on the CA Hazardous Waste and Substances Sites list? Y N Unknown

Proposed Project:

List any hazardous materials proposed to be stored/discharged/produced on the property. Describe the proposed use and method of storage and disposal.

If the proposed project involves use, storage or disposal of any hazardous materials, please contact County Fire Department at 686-8170 to determine whether additional submittals are required.

Please include any other information you feel is relevant to this application.

CERTIFICATION OF ACCURACY AND COMPLETENESS: Signatures must be completed for each line. If one or more of the parties are the same, please re-sign the applicable line.

Applicant's signature authorizes County staff to enter the property described above for the purposes of inspection.

I hereby declare under penalty of perjury that the information contained in this application and all attached materials are correct, true and complete. I acknowledge and agree that the County of Santa Barbara is relying on the accuracy of this information and my representations in order to process this application and that any permits issued by the County may be rescinded if it is determined that the information and materials submitted are not true and correct. I further acknowledge that I may be liable for any costs associated with rescission of such permits.

Print name and sign - Applicant/Agent

Date

Print name and sign - Landowner

Date

II. PROJECT DESCRIPTION/RECLAMATION PLAN

Prepare a written project description and attach it to this application form. Be very specific in describing your project. This information is required for reclamation plans as well as for conditional use permit applications. The project description should provide the reader with a thorough understanding of your project. The project description should include the following information, where it is applicable to your project:

Section 2772 of SMARA requires specific information about the reclamation plan. By providing answers to the following questions, you will allow us to meet the requirements of SMARA in our analysis.

- A. The name and address of the operator and the names and addresses of any persons designated by him as his agent for the service of process. Include the names of the mineral rights owners if they are different.**
- B. The anticipated quantity and type of minerals for which the surface mining operation is to be conducted.**

Statistical Information: Provide the following information.

Annual production will be (is): (Specific amounts, if available).

- Under 5,000 cu. yards/year _____
- 5,000 - 50,000 cu. yards/year _____
- 50,000 – 250,000 cu. yards/year _____
- 250,000 – 1,000,000 cu. yards/year _____

Total Anticipated Production (specify tons or cubic yards):

- Mineral commodities to be removed: _____
- Waste retained on site: _____
- Waste disposed off site: _____

C. The proposed dates for initiation and termination of the mining operations.

- Indicate whether the mining operation is (a) developed, (b) not yet in operation, (c) temporarily deactivated, or (d) whether there is a stockpile in the mine, and date operation first started.

Provide the hours of operation, and number of truck trips per day.

D. The maximum anticipated depth of the surface mining operation / grading cut.

E. The size and legal description of the lands that will be affected by the operation, a map that includes the boundaries and topographic details of such lands, a detailed description of the geology of the area in which surface mining is to be conducted.

- The total acreage to be disturbed and the total acreage to be reclaimed.
- Describe the geologic units on the project site in detail, including a stratigraphic column.

- . Describe the mineral deposit and its relationship to the geology and terrain. (Include any information such as logs, analyses or test results in an appendix).
- . Describe the folds, active and potentially active faults, joints, dikes, and landslide areas on the project site.
- . Provide information on the maximum credible earthquake magnitudes and estimated peak horizontal bedrock acceleration at the mine site or nearby active and potentially active faults.
- . Describe the potential for liquefaction or surface fault rupture at the mine site.
- . Describe the regional seismicity.
- . Discuss the impacts and mitigation of a nearby earthquake fault.
- . Describe the nature and distribution of the soil cover, including the type of soils, as classified by the Soils Conservation Service, and the depth.
- . Describe the soil profile, the erodibility of the soils, and the physical and chemical character of the soils.
- . Describe any mosquito control and silt control activities
- . Describe the locations of all streams, roads, railroads, and utility facilities within, or adjacent to such lands, the location of all proposed access roads to be constructed in conducting such operation, and the names and addresses of the owners of all surface and mineral interests of such lands.
- . The map should include existing or proposed buildings, mine facilities, processing plants, transportation facilities, access roads, stock piles, waste piles, tailings ponds, slurry ponds, siltation ponds, hazardous materials storage areas, fences, scales and any other significant facilities. Identify source of map, scale (i.e. 1" = 100') and north arrow.
- . Describe any streams, springs, ephemeral streams, wetlands, and lakes on the project site that would be affected by the mining activity.
- . Describe the ingress and egress of truck traffic to obtain products at the mine or to deliver materials. Show the routes on a map.
- . A description of the proposed road system and/or road improvements that will be necessary to carry out the project. Include information on ingress, egress, road width and surface.
- . Provide data on the average daily, monthly and yearly truck traffic for the mine start-up and full development.
- . Provide data on rail traffic, including location of the rail lines and the average daily, monthly and yearly train traffic for a mine at start-up and full development.
- . A description of the method of providing telephone, electricity and gas to the site.

F. A description of and plan for the type of surface mining to be employed and a time schedule that will provide for the completion of surface mining on each segment of the mined lands so that reclamation can be initiated at the earliest possible time on those portions of the mined lands that will not be subject to further disturbance by the surface mining operation.

- The proposed type of mine (open pit, quarry, placer, dredge, etc.)
- Describe the mining rate and phasing of the mining operation and provide a map and cross sections showing the phases of mining. If the nature of the deposit and the mining method used will permit, describe the steps of phases of the mining operation that allow concurrent reclamation, and include a proposed time schedule for such concurrent activities.
- Describe the specific methods used, such as dozing and loading, drag-lining, ripping, drilling and blasting, etc. (If blasting is anticipated, provide information on proximity to residences, residential developments, data on noise and blast shock, blasting schedules, etc.)
- Describe and illustrate mine design, including bench heights, pit depths, drainage control, blasting, etc. Describe slurry ponds and their use.
- Describe stripping of vegetation prior to mining and disposal of waste vegetation.
- State the hours of operation of the mine and processing facilities.
- Information on the source, quantity and quality of water to be utilized in the mining operations. If water is to be provided by an existing or proposed well, provide information on well capacity, and current and proposed demand. If water is to be transported to the site, provide information on the manner in which the water will be transported to and stored on-site and how often water will be transported to the site.

G. A description of the proposed end use or potential uses of the land after reclamation and evidence that all owners of a possessory interest in the land have been notified of the proposed use or potential uses.

- Refer to the State-adopted performance standards to ensure that proposed end uses are reclaimed in accordance with SMARA.
- Evidence that owner(s) of a possessory interest (including surface rights) have been notified of the proposed use or potential uses after reclamation.

H. Prepare a written description of the proposed Reclamation Plan and attach it to this application form. Be very specific in describing the Reclamation Plan which should be adequate for the proposed use or potential future uses on site. Include:

1. A description of the manner in which contaminants will be controlled, and mining waste will be disposed.

- Describe waste pile construction, compaction, drainage, subdrains, dust control, stability, etc.
- Describe the removal of any hazardous materials or fuel tanks and the cleanup of any hazardous materials spill.
- If processing of the ores or minerals is planned to be conducted at or adjacent to the site, briefly describe the nature of the processing and the method of disposing of the tailings or waste from processing.
- Provide a discussion of the ore body, including the mineralogic and chemical nature of the ore and waste rock adequate to assess acid drainage potential or other potential sources of surface or groundwater contamination.

2. A description of the manner in which rehabilitation of affected streambed channels and streambanks to a condition minimizing erosion and sedimentation will occur.

- Describe the post-mining slopes including bedrock, natural, waste pile, and cut and fill slopes. Include data on slope height and slope ratio. Describe how the slopes will be stabilized. (Slopes in excess of 2:1 may require slope stability analyses prepared by a registered civil engineer and certified engineering geologist).
- Describe the reclamation of any ponds on the site. Include a description of the material in slurry, tailing or settling ponds, any dams or dikes associated with the ponds, and mosquito control procedures.
- Describe any grading and removal of material.
- A description of any proposed drainage and flood control measures.

3. General revegetation components:

- Provide a detailed description of the revegetation and resoiling procedures and methods, including the plant species or types of plants to be used, soil preparation, irrigation, and a map showing the locations of the plantings.
- Provide evidence that the plants selected for revegetation are or were endemic to the area and have good survival characteristics for the topography and resoiling characteristics, and the climate of the mined areas.
- Indicate when reclamation is expected to begin and when it will be completed. Describe any time lags between completion of each mining phase and

commencement of reclamation. Show that reclamation will occur at the earliest possible time on those portions of the mined lands that will not be subject to further disturbance.

- Describe the phasing of the reclamation activities, dates for each phase, and how the reclamation will be phased with respect to the phasing of the mining operation. Include cross sections on the Reclamation Plan map, indicating the type of mining to be employed.

I. An assessment of the effect of implementation of the reclamation plan on future mining in the area.

- Describe the general visibility of the reclaimed mining site.
- Provide an assessment of the effect of implementation of the reclamation plan on future mining in the area.
- Describe the subsequent use of water wells.
- Describe any post-mining effects on the water table and water quality.
- Provide data on the volume of water in and the depth of the ponds remaining after reclamation. Describe the post-reclamation recreational use of the ponds.
- Describe how post-reclamation drainage will differ from the original site or present mine site drainage conditions. Discuss the possible effects of the changes in drainage on runoff, erosion, sedimentation, streamflow and streambank stability.

J. Provide a statement that the person submitting the plan accepts responsibility for reclaiming the mined lands in accordance with the reclamation plan.

K. CCR §3502 In addition to the information required by §2772, the following elements are to be included in the reclamation plan:

- 1. The environmental setting of the site of operations and the effect that possible alternate reclaimed site conditions may have upon the existing and future uses of surrounding lands.**
 - Describe the nature and distribution of the natural vegetation at the mine site.
 - Describe any rare or endangered plant or animal species at the mine site.
- 2. The public health and safety, giving consideration to the degree and type of present and probable future exposure of the public to the site.**
 - Describe any public safety hazards remaining after reclamation and the measures to be taken to ensure public safety.
 - Information on measures proposed to prohibit public access to the site.
 -

3. **The designed steepness and proposed treatment of the mined land's final slopes shall take into consideration the physical properties of the slope material, its probable maximum water content, landscaping requirements, and other factors. In all cases, reclamation plans shall specify slope angles flatter than the critical gradient for the type of material involved. Whenever final slopes approach the critical gradient for the type of material involved, regulatory agencies shall require an engineering analysis of the slope stability. Special emphasis on slope stability and design shall be necessary when public safety or adjacent property may be affected.**
4. **Areas mined to produce additional materials for backfilling and grading, as well as settlement of filled areas, shall be considered in the reclamation plan. Where ultimate site uses include roads, building sites, or other improvements sensitive to settlement, the reclamation plans shall include compaction of the fill materials in conformance with good engineering practice.**

5. Disposition of old equipment.

- Describe the ultimate disposition of underground structures such as tunnels, adits, etc.
- Describe the clean-up and removal of equipment, buildings and other mining facilities such as batch plants, processing plants, tanks, pipes, railroad tracks, etc.
- Provide information on the timing of clean-up and removal.

- L. §2773 requires the reclamation plan to establish site-specific criteria for evaluating compliance with the approved reclamation plan, including topography, revegetation, and sediment and erosion control. The State has adopted Reclamation Performance Standards which must be utilized or substituted by equivalent or more stringent standards.**

For example:

- Describe how soil stockpiles will be protected from erosion (e.g. revegetation).
- Describe how dust will be controlled at the reclaimed mined site.
- Describe a maintenance program to ensure that revegetation is successful, and that public safety measures, water quality, erosion control treatments, etc., are maintained. Indicate who will be responsible for carrying out the maintenance program.

- M. §2773.1 Financial Assurances: The applicant must submit financial assurances estimates for all proposed reclamation prior to final approval of the Reclamation Plan to ensure that reclamation is performed in accordance with the approved Reclamation Plan and with SMARA performance standards. The estimate shall be calculated and formatted based on the DMG-approved Financial Assurance worksheet. The financial assurance shall assure reclamation of mined lands in accordance with the approved Reclamation Plan, including (1) areas disturbed by mining activities since January 1, 1976, including the estimated cost of site remediation/soil contamination in and around the existing processing facility, (2) areas scheduled for disturbance in the next year; and (3) areas not successfully reclaimed pursuant to the lead agency approved**

reclamation plan. The amount of the financial assurance shall be calculated by the mine operator, a licensed engineer, or other professional experienced in the reclamation of mined lands. This calculation should be based on (1) an analysis of the physical activities necessary to implement the approved reclamation plan; (2) the lead agency's (or third party contract) unit costs for each of these activities; (3) the number of units of each of these activities; and (4) an amount to cover contingency costs, (not to exceed 10% of the above calculated reclamation cost) and actual lead agency administrative costs. The calculated amount should not include the cost of completing the mining of the site.

- Provide an estimate of the cost of completion of each phase of the reclamation activities, computed at the cost expected at the time of reclamation.
- For activities related to landscape maintenance and monitoring, wildlife habitat restoration, restoration of water bodies, or other applicable element of the Reclamation Plan, provide estimates of labor and materials to restore, maintain and monitor (if necessary) the activities required.
- Provide the tons or cubic yards of material to be excavated and removed plus labor and material costs of improvements for drainage control, slope stability or erosion control.

Other information that is needed:

- A description of any site preparatory work that has been completed to date.
- A request for any modifications from the requirements of the applicable zoning ordinance. Reasons for such modifications shall be given.
- Any other information that is pertinent to your proposed project.

(ATTACH ADDITIONAL SHEETS IF NECESSARY, REFERENCING THE SECTION AND QUESTION NUMBER)

XIII. ENVIRONMENTAL CONDITIONS

Prepare a written description of the existing environmental conditions of the project site and attach it to this application form. Be very specific in describing the project site. This description should include the following information, where it is applicable to the project site:

1. Describe the geologic units on the project site in detail, including a stratigraphic column.
2. Describe the mineral deposit and its relationship to the geology and terrain. (Include any information such as logs, analyses or test results in an appendix).
3. Describe the folds, active and potentially active faults, joints, dikes, and landslide areas on the project site.
4. Describe the regional seismicity.
5. Provide information on the maximum credible earthquake magnitudes and estimated peak horizontal bedrock acceleration at the mine site for nearby active and potentially active faults.
6. Describe the potential for liquefaction or surface fault rupture at the mine site.
7. Discuss the impacts and mitigation of a nearby earthquake.
8. Describe the nature and distribution of the soil cover, including the type of soils, as classified by the Soils Conservation Service, and the depth.
9. Describe the soil profile, the erodibility of the soils, and the physical and chemical character of the soils.
10. Describe any streams, springs, ephemeral streams, wetlands, and lakes on the project site.
11. Describe any mosquito control and silt control activities.
12. Describe the nature and distribution of the natural vegetation at the mine site.
13. Describe any rare or endangered plant or animal species at the mine site.

XIV. RECLAMATION PLAN

Prepare a written description of the proposed Reclamation Plan and attach it to this application form. Be very specific in describing the Reclamation Plan. At a minimum, this description should include the following information, where it is applicable to your project:

1. Reclamation Activities:
 - a. Describe the proposed use or uses of land after reclamation.
 - b. Describe the manner in which reclamation will be accomplished.
 - c. Describe the backfilling of any pits and holes.

- d. Describe reclamation activities related to drainage control and erosion.
- e. Describe the post-mining slopes including bedrock, natural, waste pile, and cut and fill slopes. Include data on slope height and slope ratio. Describe how the slopes will be stabilized. (Slopes in excess of 2:1 may require slope stability analyses prepared by a registered civil engineer and certified engineering geologist).
- f. Describe the reclamation of any ponds on the site. Include a description of the material in slurry, tailing or settling ponds, any dams or dikes associated with the ponds, and mosquito control procedures.
- g. Describe any re-grading and removal of material.
- h. Provide a detailed description of the revegetation and resoiling procedures and methods, including the plant species or types of plants to be used, soil preparation, irrigation, and a map showing the locations of the plantings.
- i. Provide evidence that the plants selected for revegetation are or were endemic to the area and have good survival characteristics for the topography and resoiling characteristics, and the climate of the mined areas.
- j. Describe the manner in which contaminants will be controlled.
- k. Describe how dust will be controlled during reclamation.
- l. Indicate when reclamation is expected to begin and when it will be completed. Describe any time lags between completion of each mining phase and commencement of reclamation.
- m. Describe the phasing of the reclamation activities, dates for each phase, and how the reclamation will be phased with respect to the phasing of the mining operation. Include cross sections on the Reclamation Plan map, indicating the type of mining to be employed.
- n. Provide an estimate of the cost of completion of each phase of the reclamation activities, computed at the cost expected at the time of reclamation.
 - (1) For activities requiring a grading permit, provide the tons or cubic yards of material to be excavated and removed plus labor and material costs of improvements for drainage control, slope stability or erosion control.
 - (2) For activities related to landscape maintenance and monitoring, wildlife habitat restoration, restoration of water bodies, or other applicable element of the Reclamation Plan, provide estimates of labor and materials to restore, maintain and monitor (if necessary) the activities required. Include a 20% cost contingency.
- o. Describe the type of performance security that will be used to guarantee reclamation of the site (cash, certified check, letter of credit, etc.).

2. Cleanup and Removal:

- a. Describe the ultimate disposition of underground structures such as tunnels, adits, etc.
- b. Describe the cleanup and removal of equipment, buildings and other mining facilities such as batch plants, processing plants, tanks, pipes, railroad tracks, etc.
- c. Describe the removal of any hazardous materials or fuel tanks and the cleanup of any hazardous materials spills.
- d. Provide information on the timing of cleanup and removal.

3. Post-Reclamation

- a. Describe the general visibility of the reclaimed mining site.
- b. Describe the subsequent use of water wells.
- c. Describe any post-mining effects on the water table and water quality.
- d. Provide data on the volume of water in and the depth of the ponds remaining after reclamation. Describe the post-reclamation recreational use of the ponds.
- e. Describe how post-reclamation drainage will differ from the original site or present mine site drainage conditions. Discuss the possible effects of the changes in drainage on runoff, erosion, sedimentation, streamflow and streambank stability.
- f. Describe how dust will be controlled at the reclaimed mined site.
- g. Describe any public safety hazards remaining after reclamation and the measures to be taken to ensure public safety.
- h. Describe a maintenance program to ensure that revegetation is successful, and that public safety measures, water quality, erosion control treatments, etc., are maintained. Indicate who will be responsible for carrying out the maintenance program.