

**NEVADA COUNTY COMMUNITY DEVELOPMENT AGENCY  
PLANNING DEPARTMENT  
ERIC ROOD ADMINISTRATION BUILDING  
950 Maidu Avenue  
Nevada City, California 95959-8617  
Phone: (530) 265-1222**

**USE PERMIT PACKET  
EXPLORATION / MINING/ RECLAMATION  
AND  
ENVIRONMENTAL ASSESSMENT**

**NOTE: THIS APPLICATION IS USED FOR MINERAL PROJECTS ONLY**

This packet contains filing forms and instructions for submitting a complete application for a Mining or Mining Exploration and Reclamation Plan for review by the County of Nevada, in compliance with Section L-II 3.21 and 3.22 of the Nevada County Land Use and Development Code, and with the California Surface Mining and Reclamation Act. The Environmental Assessment will assist in preparation of a Notice of Preparation of an Environmental Impact Report.

Applications must be filed in person in the Planning Department before 4:30 p.m., Monday through Friday. All forms must be completed and all required supplemental documents submitted before the application will be accepted.

**You or your authorized representative must attend the public hearing or no action will be taken.** During the public hearing, the Planning Commission will consider the staff recommendation, your comments, and any input from the public. The Commission will make a recommendation to the Board of Supervisors and may modify your proposal or continue it for additional information if necessary.

**SUBMITTING A COMPLETE AND ACCURATE APPLICATION  
WILL HELP TO MAINTAIN YOUR DESIRED HEARING SCHEDULE**

## **SPECIAL STUDIES**





## **INSTRUCTIONS FOR COMPLETING APPLICATION**

The following items must be submitted with a request for a use permit and reclamation plan. Additional pages may be used if required. Incomplete application packets will not be accepted.

1. Completed Exploration and Mining Use Permit application.
2. Completed Mineral Exploration and/or Extraction Environmental Assessment (20 copies).
3. A complete Reclamation Plan (20 copies) utilizing the attached form or addressing all the items identified.
4. Copy of the deed(s) for the entire subject property. Copies of the deed(s) can be obtained from the Recorder's Office. The deed(s) must show that the owner of the subject property is the same person who signed Line 12 of the Use Permit Application.
5. Copy of a notarized statement indicating that all owners of a possessory interest have been notified of uses described in both this application and supporting documents; i.e. lease agreements. (See page 3 and page 4 of Instructions for examples of Notarized Statements.)
6. Submit a noise study prepared by a qualified Noise Consultant, that indicates the proposed project will be consistent with the Nevada County Noise Element.
7. Completed and signed Agreement to Pay Form.
8. Completed Hazardous Waste Form.
9. Twenty five (25) copies of the site plan. The site plan should be 18" x 26", or a size acceptable to the Planning Department. The site plan is the "map" of the proposed project, showing what is currently existing on the site and what is proposed as part of the project. One or more site plans may be utilized, and shall include the following:  
  
The reclamation plan must include information adequate to meet the requirements of the State Surface Mining and Reclamation Act, and Chapter II, Article 31.B of the Nevada County Land Use and Development Code.
10. If the project site is located within the very high wildland fire hazard area severity zone the applicant shall submit a Fire Protection Plan to be approved by the Nevada County Fire Marshal and/or his/her designee, per the requirements outlined in the Nevada County Land Use and Development Code Section L-11 4.3.18.

## **SITE PLAN CONTENTS**

- A. Title Block**
  - 1. Project Name, if any.
  - 2. Applicant's Name, and Agent (if appropriate).
  - 3. Property Owner(s) Name(s), if different from Applicant.
  - 4. Assessor's Parcel Number(s).
  - 5. Existing Zoning.
  - 6. Proposed Zoning, if different than existing zoning.
  - 7. Source of Domestic Water (well, water agency, or other).
  - 8. Source of Industrial Water.
  - 9. Method of Sewage Disposal (septic tank, sewer agency, or other).
  - 11. Source of Topographic Information.
  - 12. Mailing Addresses of Property Owner(s), Applicant, and Agent.
  
- B. Vicinity Map**, showing the location of the subject property in relation to the surrounding area, and the proposed haulage routes.
  
- C. Boundaries** of subject property (both surface and subsurface) and existing topographic details of the site.
  
- D. Topographic** details after completion of reclamation.
  
- E.** Location of all existing and proposed access roads.
  
- F.** Location and identification of areas to be explored and/or mined, waste dumps, top soil storage piles, tailings ponds, and other areas of surface disturbance.
  
- G.** Location of existing and proposed structures, utility structures, utility facilities, and wells.
  
- H.** Existing stream channels and other bodies of water and proposed modifications.
  
- I.** By use of overlay or color, depiction of separate exploration or mining phases.
  
- J.** Orientation (north arrow) and commonly used engineers or architect's scale (e.g., 1" = 50') of the map.
  
- K.** Location of exploration drill sites, trenching, and other proposed activities.
  
- L.** Location and identification of historical mining activity.
  
- M.** Typical berms, pit walls, stream diversion, tailings, storage areas, and waste dumps; and typical cross-sections of each.
  
- N.** Identification of mineral acres, if different from Assessor's Parcel Number(s).
  
- O.** Identification of existing tunnels, if applicable.
  
- P.** Interim and long term methods of controlling erosion and/or siltation.
  
- Q.** Any other information regarding the property and/or project that is appropriate.

**NEVADA COUNTY PLANNING DEPARTMENT**

950 Maidu Avenue  
Nevada City, California 95959-8617

**EXAMPLE OF NOTARIZED STATEMENT (NO. 1)**

**TO WHOM IT MAY CONCERN:**

We, the undersigned, acknowledge that we are owners of the \_\_\_\_\_ rights and have been duly notified of the proposed uses or potential uses identified in the Reclamation Plan and Use Permit submitted by \_\_\_\_\_; for the property identified as \_\_\_\_\_.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

STATE OF CALIFORNIA )

) ss.

COUNTY OF NEVADA )

On \_\_\_\_\_, before me, \_\_\_\_\_, a Notary Public in and for said County and State, personally appeared \_\_\_\_\_

\_\_\_\_\_, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_  
Notary Public  
My Commission Expires \_\_\_\_\_

**NEVADA COUNTY PLANNING DEPARTMENT**

950 Maidu Avenue

Nevada City, California 95959-8617

**EXAMPLE OF NOTARIZED STATEMENT (NO. 2)**

**TO WHOM IT MAY CONCERN:**

I, \_\_\_\_\_, hereby acknowledge that all owners of possessory interest (surface and mineral rights) have been duly notified of the proposed uses or potential uses identified in the Reclamation Plan and Use Permits submitted by \_\_\_\_\_, for property identified as \_\_\_\_\_.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

STATE OF CALIFORNIA )

) ss.

COUNTY OF NEVADA )

On \_\_\_\_\_, before me, \_\_\_\_\_, a Notary Public in and for said County and State, personally appeared \_\_\_\_\_, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_  
Notary Public  
My Commission Expires \_\_\_\_\_



**NEVADA COUNTY  
MINERAL EXPLORATION AND/OR EXTRACTION**

**ENVIRONMENTAL ASSESSMENT**

*PLEASE TYPE OR PRINT IN BLACK INK*

**MINING:** \_\_\_\_      **EXPLORATION:** \_\_\_\_      **FILE NOs.:** \_\_\_\_\_

**ASSESSOR'S PARCEL NO(S).:** \_\_\_\_\_

**APPLICANT:** \_\_\_\_\_      **PHONE NO.:** \_\_\_\_\_

**CONTACT PERSON:** \_\_\_\_\_      **PHONE NO:** \_\_\_\_\_

**EMAIL:** \_\_\_\_\_

This Environmental Assessment provides information required for the processing of your application. Incorrect or incomplete information may cause a delay in processing. This form should be completed by the applicant, or his/her authorized representative. It may be reproduced by the applicant in order to provide expanded responses. Appropriate exhibits should be submitted to supplement written descriptions and responses.

Pursuant to Nevada County General Plan policy and Land Use & Development Code Section L-II 4.3, an Archaeological Survey and a Biological Inventory of the site must be prepared for the project, pursuant to established procedures (attached):

**A. EXISTING CONDITIONS:**

1. Describe the existing natural features of the subject property, including topography, vegetation, drainage, year around streams, bodies of water. (attach exhibits)

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2. Describe the existing man-made features of the subject property, including buildings, roads, wells, septic systems, etc.: (Attach exhibits)

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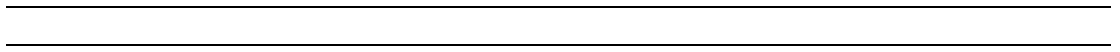
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3. Describe surrounding land uses and distances within the vicinity of the subject property, distances of the surrounding land uses, and environmental character of the surroundings. **(aerial photos would be most helpful)**

**Be specific.** (Example: five, single-family residences, 500 feet to the north; a duplex 200 feet, and a pine forest adjacent to the west; a state highway and gas station 200 feet to the east; and grazing land immediately to the south.) **Attach exhibits.**

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**B. PROJECT FEATURES:**

1. Mineral(s) to be explored and/or mined: \_\_\_\_\_  
\_\_\_\_\_

**2a. Mining method(s)**

a. Check all applicable:

- Open Pit
- Hilltop Quarry
- Sidehill Quarry
- Low Level Quarry
- Gravel/Sand Pit
- Gravel Bar Skimming
- Clay Pit
- Borrow Pit
- Single Bench
- Multiple Bench
- Underground
- Mechanical Excavation/  
Harvesting
- Drill and Blast
- Shovel
- Dragline
- Waste Dump
- Tailing Ponds
- Truck to Processing Plant

volume:

- Conveyor to Processing Plant
- Rail Transport
- Slurry Pipelines
- Other (specify)  
\_\_\_\_\_

**2b. Exploration method(s)**

b. Check all applicable:

- 1) Test Trenches
  - Backhoe
  - Tractor
  - Other (specify)  
\_\_\_\_\_
- 2) Drilling
  - Rotary
  - Core
  - Wagon Drill
  - Other (specify)  
\_\_\_\_\_
- 3) Seismic
  - Explosives
  - Non-explosives
- 4) Dredging
- 5) Sluicing
- 6) Other (specify)  
\_\_\_\_\_

Estimate      total      sample

(in tons and cubic yards)

Depth of Sampling:  
\_\_\_\_\_  
\_\_\_\_\_

3. Describe the mineral recovery or exploratory process: (type of chemicals, method, size and type of crushing equipment, etc.)

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4. If processing of ore or concentrate is done on-site, describe the treatment process: (type of chemicals, method, size, and type of equipment) If not, explain where processing will take place and method of transport:

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5. Is the proposal on an existing and/or historic mine site?  
 Yes     No    If **Yes**, describe briefly: (specify existing, historic, or both)

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6. Geologic description, including general geologic setting, with more detailed geologic description of the mineral deposit to be explored or mined, and principal minerals or rock types present:

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7. Will there be any potentially hazardous materials, such as toxic substances, flammables, or explosives used or stored at the site?  
 Yes     No    If **Yes**, describe method of use, storage and disposal:

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8. **Estimated number of employees**

Exploration Phase: _____	Mine Operation	1. _____
Reclamation Phase: _____	Phase:	2. _____
Construction Phase: _____		3. _____

**9. Estimated Time Frames**

	<b>Begin</b>	<b>End</b>
Exploration:	_____	_____
Construction:	_____	_____
Mine Operation:	_____	_____
Reclamation:	_____	_____
For seasonal operation, list operating months:	_____	

**10a. Mine Operation Time Periods**

<u>Activity</u>	<u>Operating Hours</u>	<u>Days of the week</u>	<u>Total Time Length</u>
Mine Construction:	_____	_____	_____
Blasting:	_____	_____	_____
Overburden Removal:	_____	_____	_____
Off-Site Hauling:	_____	_____	_____
Ore Extraction:	_____	_____	_____
Crushing/processing:	_____	_____	_____
Reclamation:	_____	_____	_____
Other (Specify):	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**b. Exploration Activities:**

Operating Hours: \_\_\_\_\_

Days of the Week: \_\_\_\_\_

Length of Operation: \_\_\_\_\_

**11. Anticipated annual production: (include all mined materials such as overburden waste rock ore, etc.)**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**12. Total life cycle production:**

- A. Mine waste returned to pit or harvest area: \_\_\_\_\_ tons or yd<sup>3</sup>
- B. Aggregate/crushed rock to off-site uses: \_\_\_\_\_ tons or yd<sup>3</sup>
- C. Fill material imported for on-site disposal: \_\_\_\_\_ tons or yd<sup>3</sup>
- D. Mine waste disposed off-site: \_\_\_\_\_ tons or yd<sup>3</sup>
- E. Total volume of material to be explored: \_\_\_\_\_ tons or yd<sup>3</sup>
- D. What is ratio of tons: yd<sup>3</sup> of material being mined? \_\_\_\_\_

**13. Ground Water:**

- A. Ground water depth: \_\_\_\_\_ feet
- B. Maximum shaft/tunnel/pit depth: \_\_\_\_\_ feet
- C. Estimated daily/annual quantity  
of water pumped for de-watering: \_\_\_\_\_ gallons

**14.** Maximum amount of surface disturbance, including drill pads, trenching, access roads, etc.: \_\_\_\_\_ **acres**

**15.** If the nature of the deposit and the exploration and/or mining method used will permit, describe and show the steps or phases of the mining operation that allow concurrent reclamation, and include proposed time schedule for such concurrent activities. If the nature of the deposit and/or mining method does not allow concurrent (annual) reclamation, explain why.

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

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**C. ENVIRONMENTAL IMPACTS:**

1. **Land**

a. How many cubic yards will be moved or disturbed? \_\_\_\_\_

b. Will the Project result in the destruction, covering or modification of any unique geological and/or physical features, such as unstable soils or historical faults?

Yes       No      If **Yes**, what protective measures are anticipated?

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c. Will the project result in increased erosion from wind or water, on-site or off-site?

Yes    No      If **Yes**, explain:

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d. Will the project expose the people or property to geologic hazards, such as earthquakes, landslides, mud slides, ground failures, or similar hazards?

Yes       No      If **Yes**, explain:

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e. Will the project result in the loss of agricultural lands?

Yes    No      If **Yes**, specify:

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f. Is all or a portion of this property subject to a Williamson Land Act Contract (i.e., an agricultural preserve)?       Yes       No      If **Yes**, specify:

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g. Is all or a portion of this property zoned TPZ?       Yes       No

If **Yes**, attach exhibit and copy of timber management plan.

2. **Water:**

- a. Will the project result in any stream alteration?  Yes  No

For operations occurring within or adjacent to a seasonal or permanent stream, river or other body of water, describe actions being taken to protect water quality and wildlife habitat:

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- b. Will there be any increased run-off?  Yes  No Explain:

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- c. Will there be any discharge into surface waters, or in any alteration of surface water quality, including but not limited to temperature, dissolved oxygen or turbidity?  Yes  No If **Yes**, explain:

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- d. Will there be any septic tank installation, sedimentation or potential chemical contamination? Indicate amount of effluent which may be generated. Percolation tests should be provided.  Yes  No If **Yes**, explain:

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- e. Industrial water requirements:

Amount required per day : \_\_\_\_\_

Source : \_\_\_\_\_

Will water be recirculated for re-use?  Yes  No



- f. Will there be any changes in the quantity of ground waters, either through direct additions or withdrawals, or through interception of any aquifer, by cuts or excavations? ( ) Yes ( ) No If **Yes**, explain and describe method to monitor effects:

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- g. Will there be a substantial reduction in the amount of water, otherwise available for public water supplies? ( ) Yes ( ) No If **Yes**, explain:

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- h. Will the project expose people or property to water-related hazards, such as flooding or ground slippage? ( ) Yes ( ) No If **Yes**, explain:

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- i. Will there be any significant changes in temperature, flow, or chemical content of surface thermal springs? ( ) Yes ( ) No If **Yes**, explain:

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3. **Air and Noise**

- a. Will there be any changes in air movement, temperature, dust, ash, smoke, fumes or odor as a result of the project? ( ) Yes ( ) No If **Yes**, explain:

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- b. Method of dust control: (specify water or chemicals to be used, and frequency of application)

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- c. Will the project result in a change in existing noise or vibration (due to blasting or use of heavy earth moving or breaking equipment) levels in the vicinity?  
 ( )Yes ( )No If **Yes**, explain:

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- d. What types of noise will be created by the project both during and after construction?

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- e. Determine average noise levels (Leq)\* at the property line \*\* for three time periods: **Day** (7:00 am to 7:00 pm); **Evening** (7:00 pm to 10:00 pm); and **Night** (10:00 pm to 7:00 am) in dBA. Exploratory: \_\_\_\_\_ Mining: \_\_\_

	<b><u>Existing</u></b> <b><u>(Pre-Project)</u></b>	<b><u>Construction</u></b>	<b><u>Operational</u></b>	<b><u>Reclamation</u></b>
Day	_____ (m) dBA _____ (e) dBA	_____ (m) dBA _____ (e) dBA	_____ (m) dBA _____ (e) dBA	_____ (m) dBA _____ (e) dBA
Evening	_____ (m) dBA _____ (e) dBA	_____ (m) dBA _____ (e) dBA	_____ (m) dBA _____ (e) dBA	_____ (m) dBA _____ (e) dBA
Night	_____ (m) dBA _____ (e) dBA	_____ (m) dBA _____ (e) dBA	_____ (m) dBA _____ (e) dBA	_____ (m) dBA _____ (e) dBA
Weekend/ Holidays	_____ (m) dBA _____ (e) dBA	_____ (m) dBA _____ (e) dBA	_____ (m) dBA _____ (e) dBA	_____ (m) dBA _____ (e) dBA

**(m) measured**

**(e) estimated**

\* Leq is the sound level corresponding to a steady-state (A-weighted) sound level containing the same total energy as a time-varying signal over a given sample period. Leq is typically computed over 1, 12, or 24 hour sample periods.

\*\* Should be specified for the nearest property line for each phase. If the exploration and/or mine activity will have mobile on-site equipment, noise levels should be provided for them as well. Noise levels along the major haul route are also required if the activity will result in heavy truck hauling beyond the construction phase. Provide additional support data and exhibits as needed.

- f. What is the difference and location to the nearest receptor?

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4. **Plants and Animals**

a. Will there, as a result of the project, be any changes in the species, or the number of plants and animals?     Yes     No    If **Yes**, specify:

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b. Will the project result in the loss of, or a reduction in any unique, rare or endangered species of plants or animals including their habitat?     Yes     No    If **Yes**, explain:

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c. Will new species be introduced into the area, or will the project result in a barrier to the normal replenishment of existing species of plants or animals?     Yes     No    If **Yes**, explain:

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d. Describe any actions being taken during the project, and as part of the reclamation process, that will enhance/protect wildlife habitat:

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5. **Light and Glare**

a. Will the proposed project produce new light and glare?  
 Yes     No    If **Yes**, specify amount, type, and duration:

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6. **Land Use**

- a. Might the project conflict with existing land uses including recreational, educational, religious or scientific?             Yes             No            If **Yes**, explain:

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- b. In what way will the project cause change in the land use pattern, scale, or character of the general area?

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- c. Distance from the location of the nearest recognized named community:

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7. **Natural Resources**

- a. Will the project result in the increased rate of use of any renewable or non-renewable natural resource?             Yes             No            Which one(s)?

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8. **Risk or Upset**

- a. Will the project involve a risk of explosion or the release of hazardous substances, including but not limited to oil, pesticide, herbicide, chemicals, or radiation, in the event of accident or upset conditions, flammables, or explosives?  
 Yes     No            If **Yes**, explain:

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- b. Will the proposal result in possible interference with an emergency response plan or an emergency evacuation plan , or will it result in improving such plans or capabilities?

( )Yes ( )No Explain:

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9. **Population**

- a. Will the project have a growth-inducing effect on the community?

( )Yes ( )No If **Yes**, describe in detail:

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- b. Could the project alter the location, distribution, or displacement of the human population of the area? ( )Yes ( )No Explain:

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- c. How many new permanent residences will the project generate?

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10. **Housing**

- a. Will the proposal effect existing housing, or create a demand for additional housing?

( )Yes ( )No Explain:

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**11. Traffic/Roads**

a. Describe the proposed access to the project:

\_\_\_ Frontage on County/State Highway: \_\_\_\_\_

Name of Road or Highway

\_\_\_ Private Road Easement: width: \_\_\_\_\_ length: \_\_\_\_\_

\_\_\_\_\_  
Name of Road or Highway

\_\_\_ Prescriptive Right

\_\_\_ Other: (explain) \_\_\_\_\_

How many one-way trips will the project generate:

1. per day: \_\_\_\_\_
2. peak hour: \_\_\_\_\_
3. per week: \_\_\_\_\_
4. on weekend days: \_\_\_\_\_

b. Will the project involve off-site hauling of: (ANSWER YES OR NO)

- |                               |   |
|-------------------------------|---|
| 1. exploration samples: _____ | 4. ore: _____                           |
| 2. sand: _____                | 5. waste: _____                         |
| 3. aggregate: _____           | 6. other mined material, specify: _____ |

If **Yes**, specify:

- |  |            |           |
|--|------------|-----------|
| 1. Number of one-way truck trips per day:    | Peak _____ | Avg _____ |
| 2. Number of one-way truck trips per week:   | Peak _____ | Avg _____ |
| 3. Number of one-way truck trips on weekend: | Peak _____ | Avg _____ |

4. Hours of hauling activities:

- a) weekdays: \_\_\_\_\_
- b) weekends: \_\_\_\_\_

5. Volume of material, and daily, and total amounts:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6. Size haul truck: \_\_\_\_\_

c. Will the project involve the transportation of off-site material to this site?

( ) Yes ( ) No If **Yes**, specify:

1. Type of material and daily and total amounts:

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2. Number of one-way truck trips per day: Peak \_\_\_\_\_ Avg \_\_\_\_\_

3. Number of one-way truck trips per week: Peak \_\_\_\_\_ Avg \_\_\_\_\_

4. Number of one-way truck trips on weekends Peak \_\_\_\_\_ Avg \_\_\_\_\_

d. Describe existing and proposed on-site and off-site road improvements:

	<u>Existing</u>	<u>Proposed</u>
1. <b>On-site</b>		
Width:	_____	_____
Surface:	_____	_____
Name:	_____	_____
2. <b>Off-site</b>		
Width:	_____	_____
Surface:	_____	_____
Name:	_____	_____

12. **Public Services**

Will the proposal have an effect upon, or result in a need for new or altered governmental services in any of the following areas:

a. Fire Protection? Agency supplying protection: \_\_\_\_\_  
( ) Yes ( ) No If **Yes**, explain:

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b. California Highway Patrol and Sheriff Department Law enforcement protection?  
( ) Yes ( ) No If **Yes**, explain:

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c. Schools? Which school districts?  
( ) Yes ( ) No If **Yes**, explain:

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**Environmental Assessment for Mining Use Permit Application – page 15**

d. Federal, State, local or private parks, campgrounds or recreation facilities?

( )Yes ( )No If Yes, explain:

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Distance from and location of nearest such facility and name:

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e. Maintenance of public facilities including roads? ( )Yes ( )No If Yes, explain:

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f. Social Services? ( )Yes ( )No If Yes, explain:

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g. Solid waste facilities? ( )Yes ( )No If Yes, explain:

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Method of trash and industrial waste disposal:\_\_\_\_\_

Mine operator hauling to landfill:\_\_\_\_\_

Garbage service (specify which):\_\_\_\_\_

Destination:\_\_\_\_\_

h. Medical facilities: ( )Yes ( )No If Yes, explain:

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i. Other Services Required:

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13. **Energy**

a. Will the project result in a substantial increase in the demand upon existing sources of energy, or require the development of new sources of energy?

( ) Yes                      ( ) No                      If **Yes**, explain:

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b. Source of power:

1. Public/private utility company: \_\_\_\_\_

Name

2. Generator: (specify diesel/gas, size, quantity, etc.)

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3. Other:(explain) \_\_\_\_\_

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14. **Utilities**

Will the proposal result in a need for new systems, or substantial alterations to the following utilities?

a. Communication systems?                      ( ) Yes                      ( ) No                      If **Yes**, explain:

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b. Source of domestic water:

Private well \_\_\_\_\_ Water District (Specify which) \_\_\_\_\_

Other \_\_\_\_\_

c. Method of sewage disposal:

Septic system \_\_\_\_\_ Other \_\_\_\_\_

d. Describe storm water drainage system (use exhibit)

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15. **Human Health**

- a. Will the project result in the creation of any health hazard or potential health hazard (excluding mental health)? ( )Yes ( )No If **Yes**, specify.  
Identify health hazards and define methods of control.

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16. **Aesthetics**

- a. How will the different project phases compare aesthetically with the surrounding area?

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- b. Will the project cause a change in scenic views from existing residential areas, or public lands or roads? ( )Yes ( )No If **Yes**, describe in detail nature of change and duration.

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17. **Cultural Resources**

- a. Are there any sites of historical, archeological or paleontological interest on the subject property? ( )Yes ( )No ( )Don't know If **Yes**, explain:

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Source of information: \_\_\_\_\_

- b. Will the proposal result in adverse physical or aesthetic effects to a prehistoric or historic building, structure or object?    ( ) Yes( )No If **Yes**, explain:

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**18. General**

- a. As a result of the project, how many local people will be employed?

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- b. What effect will the project have on the local tax base?

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- c. What is the relationship of this project to a larger or future project?

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- d. Identify State or Federal agencies that require permits, leases or licenses, and the type to be issued:

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**CERTIFICATION**

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this initial evaluation to the best of my ability, and that the facts, statements and information presented are true and correct to the best of my knowledge and belief.

\_\_\_\_\_  
Signature of Applicant or  
Authorized Representative

\_\_\_\_\_  
Date



## **RECLAMATION PLAN - OBJECTIVES AND INSTRUCTIONS**

I. The following Elements and Practices should be included as part of a Reclamation Plan:

### **A. Conservation Practices**

1. Stockpile top soil for use as vegetative medium.
2. Slopes - 2:1 or 1-1/2:1, depending on material.
3. Benching - recommended to be eight to ten feet wide, and established every twenty feet on slope.
4. Drainage - provide proper drainage for site ... interceptor, ditches, berms, dikes, etc.
5. Vegetation - replace with existing plant species, where possible.
6. Sediment retention program.
7. Establish work season - limit earth moving activity to dry seasons of the year. If work must be done in wet seasons, perform it where erosion and sedimentation can be contained.
8. Utilize vegetation test plots on all representative soil/slope conditions.

### **B. Project Phasing**

1. Insure that reclamation is annually performed concurrent with mining.
2. Insure that areas previously disturbed by mining are reclaimed prior to further mining.

### **C. Performance Bonding**

1. Amount of bond should equal cost of winterizing project, plus amount necessary to complete total reclamation plan.

### **D. Reclamation and After Care Management Follow-Up Program**

1. Design program to monitor and maintain conservation practices implemented during reclamation process.

### **E. Compliance Scheduling**

1. Schedule inspections by County or Authorized Agency to check compliance with Reclamation Plan.

## Reclamation Plan - Objectives & Instructions

### II. **GRAPHICS**

A. The following graphic illustrations are required:

1. Overview of project site in relation to watershed and major cultural features.
2. Cross-sections: north, south, east, west, prior to and after mining.
3. Accurate topography.
4. Description of pit or project limit, showing **maximum** area of mining site.

### III. **ACKNOWLEDGMENT**

A. Notarized signatures of all persons with a possessory interest in the mined land to be reclaimed, are required for the submitted reclamation plan acknowledging that they fully understand and approve of the reclamation.

**RECLAMATION PLAN APPLICATION**

*Please type or print in black ink*

**1. Owner(s)/Operator/Agent:** \_\_\_\_\_

\_\_\_\_\_  
Address Phone No.

\_\_\_\_\_  
Address Phone No.

**2. Name (if any) of Mineral property:** \_\_\_\_\_

**3. Property Owner(s), or owners of surface rights:** (list all owners)

\_\_\_\_\_  
Name Address Phone No.

\_\_\_\_\_  
Name Address Phone No.

\_\_\_\_\_  
Name Address Phone No.

\_\_\_\_\_  
Name Address Phone No.

**4. Owners of Mineral Rights:** (list all owners)

\_\_\_\_\_  
Name Address Phone No.

\_\_\_\_\_  
Name Address Phone No.

**5. Lessee:**

\_\_\_\_\_  
Name Address Phone No.

\_\_\_\_\_  
Name Address Phone No.

**6. Operator(s):** (list all)

\_\_\_\_\_  
Name Address Phone No.

\_\_\_\_\_  
Name Address Phone No.

Reclamation Plan

7. **Agent or Process:** (Person or company designated by operator as agent performing reclamation)

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Name	Address	Phone No.
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8. **Give a brief description of the extent of the mined lands to be involved in this operation.** Include legal description and total acreage.

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Section(s): \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_

9. **Describe the access route to the operation site:**

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10. **Attach Location and Vicinity Map** (use United States Geological Survey 7-1/2 or 15 minute topographic quadrangle sheet).

**DESCRIPTION**

11. **Mineral commodity to be mined:** \_\_\_\_\_

12. **Geologic Description:** Briefly describe general geologic setting, with more detailed description of mineral deposit to be mined, and principal minerals or rock types present.

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13. **Environmental Description:** Briefly describe environment of site and surrounding area. Include existing area land use, soil, vegetation, ground water elevation, surface water characteristics, average annual rainfall, and other factors pertaining to environmental impacts and their mitigation and reclamation.

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**PROPOSED/EXISTING SURFACE(\*) MINING OPERATION**

14. Proposed starting date of operation: \_\_\_\_\_  
Estimated life of operation: \_\_\_\_\_  
Duration of first phase : \_\_\_\_\_  
Was the mine in operation continuously since January 1, 1967? \_\_\_\_\_  
If **Yes**, provide proper demonstration.

Is this a new mine?  Yes  No  
Is this an expansion of an existing mine?  Yes  No  
Is this continued mining of lands previously mined?  Yes  No

15. **Operation will be:**  continuous  seasonal  intermittent

If seasonal or intermittent, explain in more detail:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

16. **Operation will be:**

under 5,000 tons (cubic yards) per year  
 5,000 - 50,000 tons (cubic yards) per year  
 50,000 - 250,000 tons (cubic yards) per year  
 250,000 - 1,000,000 tons (cubic yards) per year  
 Over 1,000,000 tons (cubic yards) per year

17. **Total anticipated production:**

Mineral commodities to be removed: \_\_\_\_\_(tons) (ounces) (cubic yards)

Waste retained on-site \*: \_\_\_\_\_(tons) (cubic yards)

Waste disposal of off-site: \_\_\_\_\_(tons) (cubic yards)

Maximum anticipated depth: \_\_\_\_\_feet

\*Include surface activities associated with an underground mine.

18. **Mining Method:** (check all applicable)

<input type="checkbox"/> Open Pit	<input type="checkbox"/> Gravel/Sand Pit	<input type="checkbox"/> Drill and Blast
<input type="checkbox"/> Quarry	<input type="checkbox"/> Single Bench	
<input type="checkbox"/> Hill top	<input type="checkbox"/> Sidehill	<input type="checkbox"/> Low level
<input type="checkbox"/> Underground	<input type="checkbox"/> Borrow Pit	<input type="checkbox"/> Tailings Pond
<input type="checkbox"/> Rail	<input type="checkbox"/> Truck to Processing Plant	
<input type="checkbox"/> Multiple Bench	<input type="checkbox"/> Conveyor to Processing Plant	
<input type="checkbox"/> Shovel	<input type="checkbox"/> Dragline	<input type="checkbox"/> Clay Pit
<input type="checkbox"/> Waster Dump	<input type="checkbox"/> Gravel Bar Skimming	<input type="checkbox"/> Slurry Pump
<input type="checkbox"/> Other (specify)		

Proposed /Existing Surface Mining Operation

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

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

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

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22. Attach map of the mined lands, and/or suitable aerial photographs, and/or topographic maps showing:

- a. ( ) Boundaries and topographic details of the site.
- b. ( ) Location of all streams, roads, railroads, water wells, 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(s).
- d. ( ) Location of areas to be mined, and of waste dump and tailings pond.
- e. ( ) By use of color symbol or overlay, depiction of separate mining phases if applicable (see Item #21).
- f. ( ) The source of map base, orientation (north arrow), and scale (e.g. 1" = 500') of the map.

23. Indicate an overlay map of Item #22, or by color symbol on map, those areas to be covered by the reclamation plan.

Size of area: \_\_\_\_\_ acres

Proposed/Existing Surface Mining Operation

24. Describe the ultimate condition of the site, and specify proposed use(s) or potential use(s), of the mined lands, as reclaimed. If future mining is designated as the future use, explain essential reclamation features that will stabilize slopes, slope drainageways, vegetation and waterways.

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25. Describe the relationship of the interim uses, other than mining, and the ultimate physical condition to:
- a. Zoning regulations
  - b. General Plan and Plan Elements

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26. Provide evidence that all owners of a possessory interest in the land have been notified of the proposed use(s) or potential uses, identified in Item #24. Attach copy of notarized statement of acknowledgment, etc.

27. Describe soil conditions and proposed soil salvage plan:.

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Proposed/Existing Surface Mining Operation

28. Describe methods, sequence, and timing, for bringing reclamation of the land to its end state. Indicate on map (Items #22 - #23) or on diagrams as necessary. Include discussion of the following items:

- a. Backfilling and grading
- b. Stabilization of slopes
- c. Stabilization of permanent waste dumps, tailings, etc.
- d. Rehabilitation of pre-mining drainage.
- e. Removal, disposal or utilization of residual equipment, structures, refuse, etc.
- f. Control of contaminants, especially with regard to surface runoff and ground water.
- g. Treatment of streambeds and streambanks to control erosion and sedimentation.
- h. Removal or minimization of residual hazards
- i. Resoiling and revegetation, with evidence that selected plants can survive the specific topography, soil, and climate of the site.

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29. If applicant plans short-term phasing of reclamation, describe in detail specific reclamation to be accomplished during first phase.

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30. Describe how reclamation of site in this manner may effect future mining at the site and in the surrounding area.

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## **SPECIAL STUDIES REQUIRED**

**ARCHAEOLOGICAL SURVEY REQUIRED:** Contact the North Central Information Center (NCIC) at Sacramento State University to conduct a record search to determine if any previous archaeological studies have been conducted on the project site. The NCIC will issue a letter indicating that either 1) there has been a previous study and the site does not contain significant historical/cultural resources, 2) that a study has been conducted and the resources have been adequately recorded, or 3) that there is a potential for the site to contain important resources and that an archaeological field survey is recommended. Projects identified as having a medium or high sensitivity level, and that are recommended by the NCIC to have a field survey conducted, **MUST** submit a Survey/Inventory with the land use application, prepared by a qualified archaeologist. An NCIC instruction guide is available from the Planning Department. To contact the North Central Information Center, call Marianne Russo in the Department of Anthropology at (916) 278-6217.

**BIOLOGICAL INVENTORY REQUIRED:** General Plan Policy 13.2A requires all land use applications include a site specific Biological Inventory in order to determine the presence of special-status species or their habitat that may be affected by the project, to describe existing vegetation and wildlife, and to identify riparian corridors, wetlands, landmark oak groves, and landmark oaks. The Inventory will be used as a basis for the design or re-design of your project in order to provide for “no net loss” of sensitive resources. If special-status species are present on the subject site and cannot be avoided by the project, the applicant must obtain U.S. Fish and Wildlife and State Department of Fish and Game appropriate permits, as a condition of approval and prior to any land disturbance. The Inventory must be prepared by a qualified Biologist, following the format provided in the attached “**Guidelines for Preparing Biological Reports.**”

# COUNTY OF NEVADA STANDARD BIOLOGICAL REPORT GUIDELINES

The following report format **must** be used for the preparation of biological reports. The omission of any of the following data in the **INFORMATION SUMMARY** will be grounds for the rejection of the biological report.

## I. INFORMATION SUMMARY

1.  Date report prepared
2.  Project site location (include address and U.S.G.S. - Section, Township, Range)
3.  Assessor's Parcel Number(s) (APN) **and** related planning file numbers (i.e. Parcel Map #, Use Permit #, etc)
4.  Owner/Applicant Address, Phone/Fax number and email address
5.  Principal Investigators Address, Phone/Fax number and email address
6.  Report Summary: state conclusions, noting rare/endangered/threatened, unique species, or sensitive resources pursuant to the listing of Sensitive Resources in GP Policy 1.17 which are present.
7.  Name of person preparing report.

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## II. PROJECT AND PROPERTY DESCRIPTION

- Describe the proposed project and property, including the (1) size, (2) topographic characteristics, (3) water resources, (4) soil types, (5) weather conditions, and (5) land uses on the property and in the vicinity, up to a radius of one-quarter mile. It is expected that the level of detail and the extent of the study will be proportioned to the scale of the proposed project, the diversity of the site, total species distributions and the significance of the habitats impacted by the project.
- Include a map of the project site and surrounding area from the USGS 7.5 minute quadrangle series with the project site clearly outlined.

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## III. METHODOLOGY

Briefly describe the survey methods used in preparing the report and show on an appropriately scaled map the location of sample points, transects, and any additional areas surveyed in the vicinity of the project. Please include total person-hours spent on field surveys; time of year as appropriate to identify species.