C O U N T Y O F N E V A D A

PLANNING DEPARTMENT
950 Maidu Avenue, Suite 170
Nevada City, California 95959-8617
(530) 265-1257

EXPLORATION AND MINING USE PERMIT PACKET AND ENVIRONMENTAL ASSESSMENT

INSTRUCTIONS FOR COMPLETING APPLICATION

NOTE: THIS APPLICATION IS USED FOR MINERAL PROJECTS ONLY

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.

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 engineer's 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

TO WHOM IT MAY CONCERN:

EXAMPLE OF NOTARIZED STATEMENT (NO. 1)

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

TO WHOM IT MAY CONCERN:

EXAMPLE OF NOTARIZED STATEMENT (NO. 2)

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

ASSESSOR'S PARCEL NO(S).:_____

FILE NO.: _____

APPLICANT: _____ **PHONE NO.:** _____

CONTACT PERSON: _____ **PHONE NO:** _____

MINING: _____ **EXPLORATION:** _____

NOTE: The 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.

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)

_____
_____
_____
_____
_____
_____
_____

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

_____
_____
_____
_____
_____
_____
_____

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.**

_____
_____
_____
_____

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.)

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:

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

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:

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

8. **Estimated number of employees**

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

Reclamation Phase: _____

Construction Phase: _____

9. **Estimated Time Frames**

	Begin	End
Exploration:		
Construction:		
Mine Operation:		
Reclamation:		

For seasonal operation, list operating months: _____

10a. **Mine Operation Time Periods**

Activity	Operating Hours	Days of the week	Total Time Length
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^3
B Aggregate/crushed rock to off-site uses: _____ tons or yd^3
C. Fill material imported for on-site disposal: _____ tons or yd^3
D. Mine waste disposed off-site: _____ tons or yd^3
E. Total volume of material to be explored: _____ tons or yd^3
D. What is ratio of tons: yd^3 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.

_____
_____
_____

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

_____
_____
_____
_____

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?

_____
_____
_____
_____

c. Will the project result in increased erosion from wind or water, on-site or off-site?
( ) Yes ( ) No If **Yes,** explain:

_____
_____
_____
_____

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:

_____
_____
_____
_____

e. Will the project result in the loss of agricultural lands?
( ) Yes ( ) No If **Yes,** specify:

_____
_____
_____

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:

_____
_____
_____

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:

   _____
   _____
   _____
   _____

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

   _____
   _____
   _____
   _____

   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:

   _____
   _____
   _____
   _____

   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:

   _____
   _____
   _____
   _____

   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 acquifier, by cuts or excavations? ( ) Yes ( ) No If **Yes**, explain and describe method to monitor effects:

_____
_____
_____

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

_____
_____
_____

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

_____
_____
_____

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

_____
_____
_____

3. **<u>Air and Noise</u>**

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:

_____
_____
_____

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

_____
_____
_____
_____

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:

_____
_____
_____

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

_____
_____
_____
_____

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: __

	Existing (Pre-Project)	**Construction**	**Operational**	**Reclamation**
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 date and exhibits as needed.

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

_____
_____
_____

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:

_____
_____
_____
_____

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:

_____
_____
_____
_____

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:

_____
_____
_____
_____

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

_____
_____
_____
_____

5. Light and Glare

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

_____
_____
_____
_____

6. **Land Use**

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

   _____
   _____
   _____
   _____

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

   _____
   _____
   _____
   _____

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

   _____

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)?

   _____
   _____
   _____

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:

   _____
   _____
   _____

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:

_____
_____
_____

9. **Population**

a. Will the project have a growth-inducing effect on the community?
( )Yes ( )No If **Yes**, describe in detail:

_____
_____
_____
_____

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

_____
_____
_____
_____

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

_____

10. **Housing**

a. Will the proposal effect existing housing, or create a demand for additional housing?
( )Yes ( )No Explain:

_____
_____
_____
_____

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: _____
2. sand: _____
3. aggregate: _____
4. ore: _____
5. waste: _____
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:
   _____
   _____
   _____

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:

1. **On-site**	**Existing**	**Proposed**
Width:	_____	_____
Surface:	_____	_____
Name:	_____	_____
2. **Off-site**		
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:

_____
_____
_____

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

_____
_____
_____

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

_____
_____
_____

d. Federal, State, local or private parks, campgrounds or recreation facilities?
( )Yes ( )No If**Yes**, explain:

Distance from and location of nearest such facility and name:

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

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

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

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:

i. Other Services Required:

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:

_____
_____
_____
_____

b. Source of power:

1. Public/private utility company: _____
Name
2. Generator: (specify diesel/gas, size, quantity, etc.)

_____
_____

3. Other:(explain) _____
_____
_____

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:

_____
_____
_____

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)

_____
_____
_____

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.

_____
_____
_____
_____
_____
_____

16. **Aesthetics**

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

_____
_____
_____
_____
_____
_____

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.

_____
_____
_____
_____
_____

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:

_____
_____

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:

_____
_____
_____

18**. General**

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

_____
_____
_____

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

_____
_____
_____

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

_____
_____
_____

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

_____
_____
_____
_____

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.

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

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)

Name Address Phone No.

8. **Give a brief description of the extent of the mined lands to be involved in this operation.** Include legal description and total acreage.

Section(s): _____ Township: _____ Range: _____

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

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.

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.

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)

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

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.

_____

_____

_____

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.

_____

_____

_____

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.

_____

_____

_____

_____

_____

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.

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

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:.

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 of minimization of residual hazards
i. Resoiling and revegetation, with evidence that selected plants can survive the specific topography, soil, and climate of the site.

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

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

NEVADA COUNTY
APPLICATION FOR EXPLORATION AND/OR MINING PERMIT

Applicants should check the appropriate application that is subject to the submittal:

ZONE CHANGE:(*) From: _____ To: _____
USE PERMIT: Exploration : _____ Mining: _____

(*) When filed concurrently with a use permit application only.

Please type or print in black ink

1. **Assessor's Parcel Number(s)**: _____
Section_____ Township_____Range_____

2. **Name of proposed project**:_____

3. **Applicant (Operator):**_____
_____
Address Telephone Number

4. **Agent or Contact Person:**_____
_____
Address Telephone Number

5. **Owner of Surface Rights (covered by this application):**

_____
Name Address Telephone Number

_____
Name Address Telephone Number

6. **Owner(s) of Subsurface Mineral Rights (covered by this application):**

_____
Name Address Telephone Number

_____
Name Address Telephone Number

7. Briefly describe type of proposed exploratory or mining operation. Specify surface, underground, in-stream, etc:.

_____
_____
_____
_____

PLEASE GO TO PAGE 2 OF THE APPLICATION

8. **Type of Deposit**: ( )Hardrock ( )Placer ( )In-stream
( )Other(specify)_____

9. **Nature of activity:**
( )Exploratory ( )Mining
( )Expansion of existing mine ( )New Mine
( )Reopening historic mine ( )Not presently in operation

10. **Total surface acreage of the property:**_____
Surface acreage included in this application: _____
Subsurface acreage included in this application: _____

11. Signature of at least one of the mineral rights owners, or a copy of the appropriate agreements.

_____ _____
Signature Date

_____ _____
Printed name Date

_____ _____
Signature Date

_____ _____
Printed name Date

12. **Applicant's signature of Responsibility:**

By submittal of this application, the applicant does hereby accept the responsibility to operate and reclaim the proposed project, consistent with the conditions of approval imposed by the County of Nevada on the Reclamation Plan and Use Permit.

_____ _____
Signature Date

_____
Printed Name

****

FOR OFFICE USE ONLY:

Assessor's Parcel Number(s)_____ Application Number: _____

Supervisorial District: _____ Date Filed: _____

Receipt Number: _____ Present Zoning: _____

G.P. Classification: _____ Received By: _____

SPECIAL STUDIES

As a result of reviewing your application documents, and upon receipt of comments from other agencies, additional technical or engineered information, and/or specific studies, may be required in order to adequately evaluate the potential environmental impacts of your project. For example, projects proposing outdoor activities near sensitive land uses, i.e. homes, schools or hospitals, may require a noise study; projects in areas with known traffic problems may require traffic studies.

All land use applications that propose development that will result in any disturbance of soil, including land divisions, must include and Archaeological Survey and a Biological Inventory of the site, as follows:

ARCHAEOLGICAL SURVEY REQUIRED

Contact the North Central Information center (NCIC) at Sacramento State University for the purpose of conducting 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 (or "Inventory") with the land use application. That Inventory must be 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

Policy 13.2A of the General Plan requires that all land use applications include a site specific Biological Inventory. The purpose of the Inventory is 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 and must follow the format provided in the attached "**Guidelines for Preparing Biological Reports."**

ALSO ADD:
"County of Nevada Pre-Qualified Biological Consultants List" effective October 15, 2001 thru October 15, 2003.