

**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

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.:**

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.

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: _____

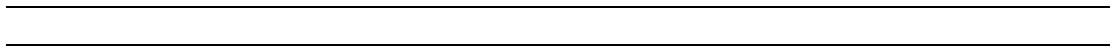
This Environmental Assessment provides information required for the processing of your application. Incorrect or incomplete information may cause a delay in processing. This form should be completed by the applicant, or his/her authorized representative. It may be reproduced by the applicant in order 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)

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

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

volume:

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

(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 **Yes**, describe method of use, storage and disposal:

8. **Estimated number of employees**

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

9. Estimated Time Frames

	Begin	End
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 yd³
- B. Aggregate/crushed rock to off-site uses: _____ tons or yd³
- C. Fill material imported for on-site disposal: _____ tons or yd³
- D. Mine waste disposed off-site: _____ tons or yd³
- E. Total volume of material to be explored: _____ tons or yd³
- D. What is ratio of tons: yd³ 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 aquifer, 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. **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:

- 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: ____

	<u>Existing</u> <u>(Pre-Project)</u>	<u>Construction</u>	<u>Operational</u>	<u>Reclamation</u>
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?

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: _____ 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:

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. On-site		
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:

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:

Distance from and location of nearest such facility and name:

e. Maintenance of public facilities including roads? Yes No If Yes, 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.

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)

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)		

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.

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:.

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.

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.

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.

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.

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.

NEVADA COUNTY PRE-QUALIFIED BIOLOGICAL CONSULTANTS 2015 LIST

ORGANIZATION	CONTACT PERSON	STREET ADDRESS	CITY	ST	ZIP	PHONE #	E-MAIL/ WEB ADDRESS
Beedy Environmental Consulting	Edward C. Beedy	12213 Half Moon Way	Nevada City	CA	95959	530-274-7232	tbeedy@comcast.net
Baumgardner Biological Consulting	Michael Baumgardner	11571 Prospect Hill Dr.	Gold River	CA	95670	916-638-7368	
Berryman Ecological	Ellen Berryman	16958 Placer Hills Rd	Meadow Vista	CA	95772	530-878-3660	ellen@berrymanecological.com
Chainey-Davis & Associates	Carolyn Chainey-Davis	182 Grove Street	Nevada City	CA	95959	530-205-6218	bighair60@att.net
Costella Environmental Consulting	Tina Costella	11344 Scotts Flam Dam Road	Nevada City	CA	95959	530-265-6969	tcostella@metrailer.com
Delisle Consulting	Glen Delisle	23364 Green Court	Auburn	CA	95602	530-268-8624	gedelisle@sbcglobal.net
Eco Bridges Environmental Consulting	Anne Wallace	168 McNab Circle	Grass Valley	CA	95945	530-272-3462	
Ecological Outreach Services	Virginia Moran	PO Box 2858	Grass Valley	CA	95945	530-272-7132	www.ecooutreachvsm.com
Ecorp Consulting, Inc.	Jim Stewart, President	2525 Warren Drive	Rocklin	CA	95677	916-782-9100	www.ecorpconsulting.com
EcoSynthesis	Adrian M. Juncosca, Ph.D.	16173 Lancaster Place	Truckee	CA	96161	530-582-6812	
EDAW, Inc.	Curtis E. Alling	2022 J Street	Sacramento	CA	95814	916-414-5800	goebls@edaw.com
ENTRIX, Inc.	Sean Berry	7919 Folsom Blvd., Suite 100	Sacramento	CA	95826	916-923-1097	www.entrix.com
Foothill Associates, Environmental Consultants	Kenneth D. Whitney, Ph.D., David Bise, Ryan	2150 Professional Dr., Suite 120	Roseville,	CA	95661	916-782-1011	kwhitney@ix.netcom.com
Garcia & Associates	Stephanie Waldo	1141 High Street	Auburn	CA	95603	530-470-9236	swaldo@garciaandassociates.com
Hanover Incorporated	Brooks Taylor	1072 Marauder Street, Suite 220	Chico	CA	95973	530-342-1333	info@hanoverinc.com
Heal Environmental Consulting	John Heal	POB 1760	Zephyr Cove	NV	89448	530-414-0689	
Helix Environmental Planning	Jeff Glazner	110 Maple Street, Suite 100	Auburn	CA	95603	530-888-0500	JeffG@helixepi.com
Henderson Ecology & Planning	Steve Henderson	PO Box 9636	S Lake Tahoe	CA	96158	530-541-5664	
Jones and Stokes	Jame Estep, Assoc. Principle	2600 "V" Street	Sacramento	CA	95818	916-737-3000	
Wildlife Biologist & Regulatory Specialist	John Downs	2634 28th Street	Sacramento	CA	95818	916-209-2362	DownsJN@Gmail.com
KEA Environmental, Inc. (Merged with EDAW, Inc.)	James Cleland, Ph.D.	601 University Ave., Suite 185	Sacramento	CA	95825	916-563-7800	www.edaw.com
Kelly Biological Consulting	Micki Kelly	PO Box 1625	Truckee	CA	96160	415-482-9703	
Live Oak Associates, Inc.	David J. Hartesveldt or Wendy Hooper	PO Box 2697	Oakhurst	CA	93644	559-642-4880	
LSA	Rick Hariacher, Principle Biologist	4200 Rocklin Road, Suite 11B	Rocklin	CA	95677	916-630-4600	
M. Baad, Ph.D., Professor, Calif. State Univ.	Mike Baad	6000 "J" Street	Sacramento,	CA	95819	916-278-6494	
May Associates	Loran May	730 Clementina St	San Francisco	CA	94103	415-391-1000	loranmay@mayandassociates.com
Michael W. Skenfield, Bio&Wetland Consultant,	Michael W. Skenfield	PO Box 747	Murphys	CA	95247	209-728-3101	mwsbio@goldrush.com
North Fork Associates	Cathy Spence-Wells	1449 Lincoln Way	Auburn	CA	95603	530-887-8500	
North State Resources	Joyce Hunting	2150 River Plaza Dive #290	Sacramento	CA	95833	916-564-8541	
Parsons Harland Bartholomew & Assoc.	Molly Enlow, Principal Biologist	2233 Watt Ave., Suite 330	Sacramento	CA	95825	916-483-0481	http://www.parsons.com
Quad Knopf, Inc	Michael V. Phillips, REM	5500 Ming Ave., Suite 410	Bakersfield	CA	93309	661-835-8300	mikep@quadknopf.com
Stantec Consulting Services, Inc	Emily Eppinger / Greg Matuzak	101 Providence Mine Rd, Ste 202	Nevada City	CA	95959	530-470-0515	emilyeppinger@stantec.com
Susan Sanders Biological Consultants	Dr. Susan Sanders	12213 Half Moon Way	Nevada City	CA	95959	530-477-7415	SSanders55@comcast.net
Sycamore Environmental Consultants Inc.	R. John Little, Ph.D.	6355 Riverside Blvd., Suite C	Sacramento	CA	95831	916-427-0703	john.little@sycamoreenv.com
Tehama Environmental Solutions	Jeff Souza	910 Main Street, Suite D	Red Bluff	CA	96080	530-528-8272	tehemaenvironmental.com
Visger and Associates	George Visger	3261 Fitzgerald Rd., Suite B	Rancho Cordova	CA	95742	916-635-0926	
Vollmar	John Vollmar	19696 Oak Tree Rd	Nevada City	CA	95959	510-599-9603	jvollmar@vollmarconsulting.com
Wetlands Research Associates, Inc.,	James Bucholz, Principal	2169-G E. Francisco Blvd	San Rafael	CA	94901	415-454-8868	
Wild Oak Biological Consultants	Karen Wiese	PO Box 665	Chicago Park	CA	95712	530-346-7131	kwildoak@aol.com
Williams Wildland Consulting	Brian Williams	12845 Honcut Rd Biol	Loma Rica	CA	95901	530-878-3360	bwcal@sprynet.com



**COUNTY OF NEVADA
COMMUNITY DEVELOPMENT AGENCY**

950 MAIDU AVENUE, SUITE 170, NEVADA CITY, CA 95959-8617
(530) 265-1222 FAX (530) 265-9854 <http://mynevadacounty.com>

Agricultural Commissioner

Building Department

Environmental Health

Planning Department

Dept. of Public Works

AGREEMENT TO PAY FORM

Nevada County Community Development Agency fees are based on Board of Supervisor approved fee schedules. Hourly fees and fees for services in excess of a minimum fee collected, including re-inspections, are billed to the applicant based on the Board approved fee schedule in effect at the time the work is performed by staff. This *Agreement To Pay Form* must be signed and original signatures submitted to the NCCDA along with the completed permit forms and the initial payment of fees. Copies of current fee schedules are available from our Customer Service Staff or on the web at <http://www.mynevadacounty.com>

I/We understand that the NCCDA will bill as services are rendered, and I/We agree to pay such billing within thirty (30) days of the mailing of such billing for the project/permit. If payments on outstanding invoices are not made within thirty (30) days after the date of the invoice, County staff may cease work on the project until the required payment is made, subject to any other provision of the law. All fees must be paid prior to the granting of any permits, approvals, or any land use entitlement for which services are required. The collection of fees, however, does not guarantee the granting of any permits, approvals, or land use entitlements for which I/We are applying.

Site Information:

Invoices and/or notices to be mailed to:

APN: _____	Name: _____
Property Owner/Business Name (if applicable): _____	Address: _____
Address: _____	Telephone: _____
Email: _____	Email: _____

I would like to opt out of receiving County emails related to this project.

NCCDA Staff is authorized to consult with necessary governmental agencies and the following individuals concerning this project: _____

I certify under proof of perjury that I am the property owner or that I am authorized to enter into this fee agreement on his/her behalf. I have read the conditions concerning Nevada County Community Development Agency Fees and I understand that in the event that the billing party I have indicated does not pay required fees, I will be responsible for payment. I further agree to advise the department in writing should I no longer be associated with the above referenced project/property, rendering this agreement invalid as of the change of the date that the letter is received by the Nevada County Community Development Agency.

Signature

Dated: _____ CDL# _____

Printed Name

Tel #: _____

THIS SECTION FOR OFFICE USE ONLY

Service: _____	Program: _____	Job No: _____
DPW #: _____	Project File #: _____	Billing Code: _____
Amount Collected: \$ _____	Receipt #: _____	Date of Receipt: _____
Service: _____	Program: _____	Job No: _____
DPW #: _____	Project File #: _____	Billing Code: _____
Amount Collected: \$ _____	Receipt #: _____	Date of Receipt: _____