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# **EASTSIDE AGGREGATES PROJECT MITIGATION MONITORING PROGRAM**

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*PREPARED FOR:*

**SHASTA COUNTY  
DEPARTMENT OF RESOURCE MANAGEMENT  
PLANNING DIVISION  
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*PREPARED BY:*



**NOVEMBER 2000**

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MITIGATION MONITORING PROGRAM  
FOR THE  
EASTSIDE AGGREGATES PROJECT

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Planning Division  
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NOVEMBER 2000

# **MITIGATION MONITORING PROGRAM**

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## **MITIGATION MONITORING PROGRAM CONTENTS**

This document is the Mitigation Monitoring Program (MMP) for the Eastside Aggregates Project. The MMP includes a brief discussion of the legal basis for and the purpose of the program, discussion and direction regarding complaints about noncompliance, a key to understanding the monitoring matrix, and the monitoring matrix itself.

## **LEGAL BASIS OF AND PURPOSE FOR THE MITIGATION MONITORING PROGRAM**

California Public Resources Code Section 21081.6 requires public agencies to adopt mitigation monitoring or reporting programs whenever certifying an environmental impact report (EIR) or a mitigated negative declaration. This requirement facilitates implementation of all mitigation measures adopted through the California Environmental Quality Act (CEQA) process.

The MMP contained herein is intended to satisfy the requirements of CEQA as they relate to the Eastside Aggregates Project EIR. It is intended to be used by Shasta County (County) staff, participating agencies, project contractors and mitigation monitoring personnel during implementation of the project.

The Eastside Aggregates Project EIR presents a detailed set of mitigation measures that will be implemented throughout the lifetime of the project. Mitigation is defined by CEQA Guidelines Section 15370 as measures that do any of the following:

- Avoid impacts altogether by not taking a certain action or parts of an action.
- Minimizes impacts by limiting the degree or magnitude of the action and its implementation.
- Rectifies impacts by repairing, rehabilitating or restoring the impacted environment.
- Reduces or eliminates impacts over time by preservation and maintenance operations during the life of the project.
- Compensates for impacts by replacing or providing substitute resources or environments.

The intent of the MMP is to ensure the effective implementation and enforcement of adopted mitigation measures and permit conditions. The MMP will provide for monitoring of construction activities as necessary, on-site identification and resolution of environmental problems, and proper reporting to County staff.

## **DEVELOPMENT AND APPROVAL PROCESS**

The timing elements of mitigation measures and definition of the development process has been provided in detail throughout this MMP to assist existing and future County staff by providing the most usable monitoring document possible.

## MITIGATION MONITORING PROGRAM

### RESPONSIBILITIES AND AUTHORITY

The Shasta County Department of Resource Management, Planning Division, will have primary responsibility for the operation and implementation of the MMP. The Planning Division will be responsible for the following activities:

- Coordination of monitoring activities.
- Direction of the preparation and filing of compliance reports.
- Maintenance of records concerning the status of all mitigation measures.

### MONITORING MATRIX

The tables on the back pages of the MMP identify the mitigation measures proposed for the Eastside Aggregates Project. These mitigation measures are reproduced from the EIR for the project. The tables have the following columns:

**Mitigation Measure:** Lists the mitigation measures identified within the Eastside Aggregates Project EIR for a specific impact, along with the number for each measure as enumerated in the EIR.

**Timing:** Identifies at what point in time, review process or phase the mitigation measure will be completed.

**Agency/Department Consultation:** References the County department or any other public agency with which coordination is required to satisfy the identified mitigation measure.

**Verification:** Spaces to be initialed and dated by the individual designated to verify adherence to a specific mitigation measure.

### NONCOMPLIANCE COMPLAINTS

Any person or agency may file a complaint asserting noncompliance with the mitigation measures associated with the project. The complaint shall be directed to the County in written form providing specific information on the asserted violation. The County shall conduct an investigation and determine the validity of the complaint. If noncompliance with a mitigation measure has occurred, the County shall take appropriate action to remedy any violation. The complainant shall receive written confirmation indicating the results of the investigation or the final action corresponding to the particular noncompliance issue.

**MITIGATION MONITORING PROGRAM**

**MITIGATION MONITORING TABLE**

Mitigation Measure	Timing/Implementation	Enforcement/Monitoring	Verification (Date and Initials)
<p><b>MM 4.2.1a</b> The project applicant shall submit a plan to screen the project site at a level adequate to obscure the view of the site from passenger vehicles on SR 89. Screening measures may include construction of earthen berms and the planting of shrubbery and other vegetation. Vegetation shall consist of species native to the region, and it shall provide adequate screening of the site within a period of five years after planting. Screening measures shall be applied within the buffer area between SR 89 and the existing shop on the project site, from approximately 500 feet north to 500 feet south of the Hat Creek Construction main entrance. In implementing the screening measures, the existing mature trees within the buffer area shall be maintained. In the event that vegetative screening is utilized, annual monitoring reports shall be required to document the incremental effectiveness of the barrier in screening views. The report shall include photo documentation.</p>	<p>Screening plan reviewed and approved prior to project implementation. Annual monitoring until adequate screening is demonstrated.</p>	<p>Shasta County Department of Resource Management - Planning Division.</p>	
<p><b>MM 4.2.3a</b> The County shall attach conditions to the use permit which require that lighting be shielded and/or directed so that it does not shine offsite. No use, including vehicles, will be allowed to create intense light or glare that causes a nuisance or hazard beyond the property line. Proposed new lighting shall be shown on building/site plans for review and approval by the Planning Division. The lighting on the site shall be monitored by the Building Division at the time of building permit issuance and inspection.</p>	<p>A lighting plan shall be submitted and approved prior to installation of lighting.</p>	<p>Shasta County Department of Resource Management - Planning Division, Building Division.</p>	

**MITIGATION MONITORING PROGRAM**

Mitigation Measure	Timing/Implementation	Enforcement/Monitoring	Verification (Date and Initials)
<p><b>MM 4.2.3b</b> All new buildings shall either be painted or constructed of materials of neutral or earth tone colors. Roofing material shall be a non-glare, non-reflective material.</p>	<p>Upon commencement of building construction.</p>	<p>Shasta County Department of Resource Management - Planning Division, Building Division.</p>	
<p><b>MM 4.3.1a</b> The project applicant shall use a diesel generator that can be demonstrated to meet or exceed SCAQMD standards for NO<sub>x</sub> emissions.</p>	<p>Prior to installation of diesel generator.</p>	<p>Shasta County Air Quality Management District.</p>	
<p><b>MM 4.3.1b</b> Alternatives to open burning of vegetative material on the project site shall be used by the project applicant unless otherwise deemed infeasible by the SCAQMD. Suitable alternatives include, but are not limited to, chipping, mulching and conversion to biomass fuel.</p>	<p>Upon commencement of grading activities.</p>	<p>Shasta County Air Quality Management District</p>	
<p><b>MM 4.3.1c</b> All material excavated, stockpiled or graded shall be sufficiently watered to prevent fugitive dust from leaving property boundaries and causing a public nuisance. Watering shall occur at least twice daily with complete grading and construction site coverage, preferably in the mid-morning and after work is completed for the day.</p>	<p>Upon commencement of grading and construction activities.</p>	<p>Shasta County Air Quality Management District</p>	
<p><b>MM 4.3.1d</b> All land clearing, grading, earth moving or excavation activities shall be suspended when winds are expected to exceed 20 miles per hour.</p>	<p>Upon commencement of grading and construction activities.</p>	<p>Shasta County Air Quality Management District</p>	

**MITIGATION MONITORING PROGRAM**

Mitigation Measure	Timing/Implementation	Enforcement/Monitoring	Verification (Date and Initials)
<p><b>MM 4.3.1e</b> All inactive portions of the project site shall be seeded and watered until a suitable grass cover is established. The applicant shall be responsible for applying non-toxic soil stabilizers approved by the County Department of Public Works to all inactive construction areas in accordance with the Shasta County Grading Ordinance.</p>	<p>Upon commencement of grading and construction activities.</p>	<p>Shasta County Air Quality Management District</p>	
<p><b>MM 4.3.1f</b> Paved public roadways adjacent to the project site shall be swept at the end of each day if substantial volumes of soil materials have been carried onto them. A water sweeper with reclaimed water is recommended.</p>	<p>Upon commencement of grading and construction activities.</p>	<p>Shasta County Air Quality Management District</p>	
<p><b>MM 4.3.1g</b> The project applicant shall re-establish ground cover on the project site through seeding and watering, in accordance with the Shasta County Grading Ordinance.</p>	<p>Prior to final occupancy.</p>	<p>Shasta County Department of Resource Management - Planning Division.</p>	
<p><b>MM 4.3.5h</b> The project applicant shall install water sprays in each rock crusher and screen.</p>	<p>Prior to start of crushing and screening operation.</p>	<p>Shasta County Air Quality Management District.</p>	
<p><b>MM 4.3.5i</b> The project applicant shall install a fabric filter in each cement storage silo. Also, cement shall be transferred pneumatically from silo to mixing hopper and from the transfer truck to the silo.</p>	<p>Upon commencement of project operations.</p>	<p>Shasta County Air Quality Management District.</p>	

**MITIGATION MONITORING PROGRAM**

<b>Mitigation Measure</b>	<b>Timing/Implementation</b>	<b>Enforcement/Monitoring</b>	<b>Verification (Date and Initials)</b>
<p><b>MM 4.3.3a</b> On days when trucks and loaders are active, all areas with vehicle traffic, including unpaved roadways, shall be watered in the following manner:</p> <ul style="list-style-type: none"> <li>• Normal days (winds below 25 mph) - Spray with water truck two times daily, once in the morning and again in the early afternoon.</li> <li>• Windy days (winds above 25 mph) - Spray with water truck six times daily, once in the morning and then five additional times in equal increments throughout the workday.</li> </ul> <p>In addition, unpaved roadways shall have dust palliatives applied for stabilization of dust emissions. .</p>	<p>Upon commencement of project operations.</p>	<p>Shasta County Air Quality Management District.</p>	
<p><b>MM 4.3.3b</b> All traffic on unpaved roadways within the project site shall be limited to a maximum speed of 15 miles per hour.</p>	<p>Upon commencement of project operations.</p>	<p>Shasta County Air Quality Management District.</p>	
<p><b>MM 4.3.3c</b> All trucks hauling dirt, sand, soil or other loose material shall be covered or shall maintain at least two feet of freeboard.</p>	<p>Upon commencement of project operations.</p>	<p>Shasta County Sheriff's Office, California Highway Patrol</p>	
<p><b>MM 4.3.3d</b> All material transported offsite shall be either sufficiently watered or securely covered to prevent a public nuisance.</p>	<p>Upon commencement of project operations.</p>	<p>Shasta County Air Quality Management District</p>	



**MITIGATION MONITORING PROGRAM**

Mitigation Measure	Timing/Implementation	Enforcement/Monitoring	Verification (Date and Initials)
<p><b>MM 4.3.4a</b> If complaints are received regarding the emission of odors from the asphalt plant, the plant shall be required to use odor counteractants which shall be introduced into the stack flue gas to neutralize any odors that may be produced. In the event that counteractants do not mitigate odors from the flue stack, the project proponent shall use a thermal oxidizer to control odors. This mitigation shall be incorporated as a condition for approval of a "Permit to Operate" by SCAQMD.</p>	<p>During asphalt production.</p>	<p>Shasta County Air Quality Management District.</p>	
<p><b>MM 4.4.1a</b> The project applicant shall retain a qualified wildlife biologist to conduct an annual survey for active bald eagle and osprey nests within one-quarter mile of the active operational areas of the quarry. The survey shall be conducted from April 15 to May 15 of each year. If an active nest is found within one-quarter mile of the active operational areas of the quarry, no blasting shall occur until the young have fledged. The biologist shall submit a report to the Planning Division after completion of the survey. This measure does not preclude blasting activities occurring prior to the survey date.</p>	<p>April 15 - May 15 of each year.</p>	<p>Shasta County Department of Resource Management - Planning Division</p>	

**MITIGATION MONITORING PROGRAM**

Mitigation Measure	Timing/Implementation	Enforcement/Monitoring	Verification (Date and Initials)
<p><b>MM 4.4.2a</b> Other than the proposed 0.32-acre fill area, the wetlands on the site shall be designated as a non-disturbance area. The project applicant shall be required to place a fence around the wetlands at a minimum of 25 feet horizontally from the edge of the water. The fence shall remain in place for the duration of the project and through the process of reclamation. The wetlands shall be maintained in perpetuity after reclamation unless the property owner obtains and complies with all necessary mitigation agreements and permits from the California Department of Fish and Game, the U.S. Army Corps of Engineers, and any other governmental agencies which have wetland-related permit authority.</p>	<p>Prior to commencement of site preparation and/or operations, and thereafter as part of an annual mine inspection.</p>	<p>U.S. Army Corps of Engineers, California Department of Fish and Game, Shasta County Department of Resource Management - Planning Division.</p>	
<p><b>MM 4.4.3a</b> No site development or other disturbance shall be permitted outside the vernal pool and rare plant survey boundary, as shown on as aerial photograph of the project site, marked by North State Resources and attached to it's letter to Stuart Busby of Hat Creek Construction dated February 23, 1996. If development is proposed on a part of the site that was not surveyed, a vernal pool and rare plant survey shall be conducted.</p>	<p>Prior to approval of any proposed development in the unsurveyed area.</p>	<p>Shasta County Department of Resource Management - Planning Division.</p>	
<p><b>MM 4.4.3b</b> The boundary of the vernal pool and rare plant survey conducted by North State Resources shall be permanently marked on the project site. The boundary shall be flagged or fenced to be clearly identifiable to equipment operators. The flags or markings shall be spaced a maximum of 50 feet apart, with each marker clearly visible from the immediately adjacent markers. The flagging or fencing shall be maintained for the life of the use permits.</p>	<p>Installation within 60 days of the approval of the use permits.</p>	<p>Shasta County Department of Resource Management - Planning Division.</p>	

**MITIGATION MONITORING PROGRAM**

Mitigation Measure	Timing/Implementation	Enforcement/Monitoring	Verification (Date and Initials)
<p><b>MM 4.5.1a</b> Under the proposed project and the recommended conditions of the use permit, no permanent or fixed structures shall be located within the boundaries of the Earthquake Fault Zone as shown on the Earthquake Fault Zones map, Cassel Quadrangle, prepared by the State Geologist.</p>	<p>During project implementation and thereafter as part of an annual mine inspection program.</p>	<p>Shasta County Department of Resource Management - Planning Division, Building Division.</p>	
<p><b>MM 4.5.1b</b> The construction of structures and the installation of equipment, including the aggregate processing plant, the asphalt plant and the concrete plant, shall be in compliance with all State and local seismic safety regulations and building codes.</p>	<p>During building construction and installation.</p>	<p>Shasta County Department of Resource Management - Building Division.</p>	
<p><b>MM 4.5.3a</b> Slope stability conditions of rock and soil slopes on the quarry site shall be evaluated periodically by a qualified professional engineer or a certified engineering geologist as the mining operation progresses. Although there is no set time on when such an evaluation will be conducted, the frequency shall be no less than one time per year. The Planning Division may request additional evaluations if it determines that circumstances warrant them. If a potential slope stability problem is discovered, the engineer or engineering geologist preparing the evaluation shall make recommendations to reduce or eliminate the problem or its potential results, which the project applicant shall implement.</p>	<p>During project implementation and thereafter as part of an annual mine inspection program.</p>	<p>Shasta County Department of Resource Management - Planning Division.</p>	

**MITIGATION MONITORING PROGRAM**

Mitigation Measure	Timing/Implementation	Enforcement/Monitoring	Verification (Date and Initials)
<p><b>MM 4.5.4a</b> The project applicant shall submit and receive approval of a grading plan for the project activities located in the proposed C-M zone. The Environmental Health Division shall review the grading plan and shall inspect the project site at the time grading work is performed and completed. The Planning Division shall conduct ongoing monitoring to ensure that the objectives of the grading plan have been met.</p>	<p>Grading plan to be submitted and approved prior to issuance of grading permit. Monitoring to be conducted during project implementation and thereafter as part of an annual mine inspection program.</p>	<p>Shasta County Department of Resource Management - Planning Division, Environmental Health Division.</p>	
<p><b>MM 4.5.4b</b> Soil that is removed from the top of the bluff as excavation of the bluff progresses shall be removed as a separate layer from areas to be disturbed by mining operations. Topsoil and vegetation removal shall not precede surface mining activities by more than one year. Topsoil and suitable growth media shall be maintained in separate stockpiles. Test plots are required to determine the suitability of growth media for revegetation purposes. Topsoil and suitable growth media that cannot be utilized immediately for reclamation shall be stockpiled in an area where they will not be disturbed until needed for reclamation. Topsoil and suitable growth media stockpiles shall be clearly identified to distinguish them from mine waste dumps. Topsoil and suitable growth media stockpiles shall be planted with a vegetative cover or shall be protected by other equally effective measures to prevent water and wind erosion and to discourage weeds.</p>	<p>During project implementation and thereafter as part of an annual mine inspection program.</p>	<p>Shasta County Department of Resource Management - Planning Division.</p>	

**MITIGATION MONITORING PROGRAM**

Mitigation Measure	Timing/Implementation	Enforcement/Monitoring	Verification (Date and Initials)
<p><b>MM 4.5.5a</b> For portions of the project site where structures would be placed, the project applicant shall submit a report from a qualified engineer or soils specialist that identifies the location of expansive soils and demonstrates how the potential negative impacts of these soils would be minimized or avoided, in accordance with Policy SG-e of the Shasta County General Plan.</p>	<p>Prior to issuance of building permit.</p>	<p>Shasta County Department of Resource Management - Planning Division, Building Division.</p>	
<p><b>MM 4.6.1a</b> The project applicant shall comply with the standard requirements and recommendations of the Shasta County Fire Department, as described in the letter from Bob Vanderhyde, County Fire Marshall, to James W. Cook, Planning Division Manager, dated August 17, 1999 (<i>Refer to Section 4.6 for a full list of mitigation measures pertaining to this impact</i>).</p>	<p>Prior to commencement of project or during project operations, as appropriate.</p>	<p>California Division of Forestry and Fire Protection/Shasta County Fire Department, Shasta County Department of Resource Management - Building Division.</p>	
<p><b>MM 4.6.1b</b> If the project applicant installs an automatic fire extinguishing system in the facility, plans shall be submitted to CDF/SCFD for review.</p>	<p>Prior to commencement of the project during project operations as appropriate.</p>	<p>California Division of Forestry and Fire Protection/Shasta County Fire Department, Shasta County Department of Resource Management - Building Division.</p>	
<p><b>MM 4.6.2a</b> When in operation, the boundaries of the airstrip shall be clearly flagged or otherwise marked to make them obvious to equipment operators and to prevent unintentional encroachment by equipment and other vehicles onto the airstrip.</p>	<p>During project operations.</p>	<p>Shasta County Department of Resource Management - Planning Division.</p>	

**MITIGATION MONITORING PROGRAM**

Mitigation Measure	Timing/Implementation	Enforcement/Monitoring	Verification (Date and Initials)
<p><b>MM 4.6.3a</b> The project applicant shall construct a durable impermeable pad, such as a concrete pad, adjacent to the fuel storage tank areas where vehicles are fueled, in order to catch any spilled fuel, oil, antifreeze or other motor vehicle fluids and to direct it to a sump. The design of the pad, drainage system and sump shall be reviewed by the Regional Water Quality Control Board prior to construction.</p>	<p>Prior to issuance of building permit.</p>	<p>Shasta County Department of Resource Management - Planning Division.</p>	
<p><b>MM 4.7.1a</b> At least once every year, each employee on the site shall be informed in writing that there is a shallow, fast-moving aquifer under the site, and that the groundwater in the aquifer flows in the direction of Burney Falls and Lake Britton. Employees shall be made aware that any spillage of fuel, oil, antifreeze, solvents, trailer sewage and other materials during equipment fueling, maintenance repair and/or storage may penetrate the soil and contaminate the aquifer. Employees shall be advised to avoid any spillage and to immediately report any spillage to their employer so that it can be immediately cleaned up and removed to an appropriate disposal site. All new employees shall receive the above information.</p>	<p>Upon commencement of project operations. Monitoring to be conducted as part of annual mine inspection program.</p>	<p>Shasta County Department of Resource Management - Planning Division.</p>	

**MITIGATION MONITORING PROGRAM**

Mitigation Measure	Timing/Implementation	Enforcement/Monitoring	Verification (Date and Initials)
<p><b>MM 4.7.2a</b> The project applicant shall construct drainage improvements to accommodate potential flows entering the site from Burney Creek during 10-year or greater storm events and local drainage from the approximately two square miles of basin south of the project site. The drainage improvement plans shall be based upon recommendations contained in a drainage study addressing the aforementioned flows, to be prepared by the project applicant. Recommended improvements may include, but are not limited to, additional retention basin space in the log pond area, new conveyance features or new retention basins. No offsite improvements shall be included as part of the drainage improvements proposed for the project. The drainage improvement plans shall be reviewed and approved by the County Department of Public Works prior to project construction.</p>	<p>Study to be conducted prior to approval of site plan. Improvements to be made prior to October 15 of the year project operations commence.</p>	<p>Shasta County Department of Resource Management - Planning Division.</p>	
<p><b>MM 4.8.8a</b> Blasting shall take place only between the hours of 9:30 a.m. to 3:30 p.m., Monday through Friday, up to a total of six times per year.</p>	<p>Upon commencement of quarry activities.</p>	<p>Shasta County Department of Resource Management - Planning Division.</p>	
<p><b>MM 4.8.8b</b> Blasting shall not create any vibration detectable without instruments at the parcel boundaries of the nearest residence to the project site.</p>	<p>Upon commencement of quarry activities.</p>	<p>Shasta County Department of Resource Management - Planning Division.</p>	

**MITIGATION MONITORING PROGRAM**

Mitigation Measure	Timing/Implementation	Enforcement/Monitoring	Verification (Date and Initials)
<p><b>MM 4.8.8c</b> Blasting shall be conducted to meet the following requirements. If there is a discrepancy between standards, the more restrictive standard shall apply:</p> <ol style="list-style-type: none"> <li>1) Peak particle velocity ("ground vibration") shall not exceed 0.5 inches per second for vibration frequencies below 40 hertz, and 2.0 inches per second for vibration frequencies of 40 hertz or more, measured directly between the nearest residence and the blast site.</li> <li>2) The maximum air overpressure ("air blast") shall not exceed 0.014 pounds per square inch (psi), measured directly between the nearest residence and the blast site.</li> </ol> <p>The project applicant shall establish blast criteria based upon the maximum permitted ground vibration and air blast (<i>For what shall be included in the criteria, refer to Section 4.8</i>). The project applicant shall submit a report to the Planning Division containing the criteria, and prior to the first blast shall notify the Planning Division at least two weeks in advance. The blast criteria shall be revised, if necessary, to ensure that maximum levels of ground vibration and air blast are not exceeded, based upon analysis of the first blast. The project applicant shall report to the Planning Division whether and how the blast criteria have been revised.</p>	<p>Prior to first blast.</p>	<p>Shasta County Department of Resource Management - Planning Division.</p>	



**MITIGATION MONITORING PROGRAM**

Mitigation Measure	Timing/Implementation	Enforcement/Monitoring	Verification (Date and Initials)
<p><b>MM 4.8.8d</b> A qualified independent consultant shall record the effect of the first blast with a minimum of one seismometer and one air pressure blast recording instrument set up at a location between the blast site and nearby residential structures. The consultant shall submit a report to the Shasta County Planning Division within two weeks of the first blast. The report shall include copies of the recording instrument tapes of the blast and an analysis of the recording data to determine whether the blast met the criteria established in MM 4.8.8c.</p>	<p>Upon commencement of first blast.</p>	<p>Shasta County Department of Resource Management - Planning Division.</p>	
<p><b>MM 4.8.8e</b> The project applicant shall notify all residents and businesses within 1.5 miles of the blast site at least 24 hours prior to each blast by telephone. The project applicant shall also notify the Fire Dispatch Center by telephone at 225-2411 and the Planning Division at least 24 hours prior to each blast. The Planning Division shall verify that the project applicant has notified nearby residents and businesses, and shall enforce appropriate penalties if proper notification is not given.</p>	<p>Prior to each blast.</p>	<p>Shasta County Department of Resource Management - Planning Division.</p>	
<p><b>MM 4.8.8f</b> If complaints are received from nearby residents, the County may require the project applicant to arrange annual or more frequent blast monitoring by a qualified independent consultant. Based upon the results of such monitoring, the project applicant may be required to revise the blast criteria so as to reduce or eliminate the blast effect generating complaints.</p>	<p>Upon commencement of blasting.</p>	<p>Shasta County Department of Resource Management - Planning Division.</p>	

**MITIGATION MONITORING PROGRAM**

Mitigation Measure	Timing/Implementation	Enforcement/Monitoring	Verification (Date and Initials)
<p><b>MM 4.8.8g</b> The project applicant shall obtain a blasting permit from the Shasta County Sheriff's Office</p>	<p>Prior to first blast.</p>	<p>Shasta County Sheriff's Office</p>	
<p><b>MM 4.8.8h</b> Explosives may be stored on the project site, provided that their transportation, handling and storage comply with all applicable Federal, State and local regulations.</p>	<p>Upon commencement of quarry activities.</p>	<p>Shasta County Division of Environmental Health.</p>	
<p><b>MM 4.8.9a</b> Short-term noise level measurements shall be conducted by the project applicant at the nearest residences to ensure that the various components of the project are not exceeding the County's adopted noise standards. If the results of that monitoring indicate that the County's noise standards are exceeded, additional noise control measures shall be implemented as needed. Such measures could include increasing setbacks, modifications of project hours of operations, the use of localized noise barriers in the form of aggregate stockpiles, portable sound attenuating blankets suspended in close proximity to the processing equipment, or other barrier configurations as may be appropriate. Noise level measurements shall be conducted at least twice annually in the first year of full project operations, and at least once annually afterwards.</p>	<p>Following commencement of regular activities at the project site. Monitoring to be conducted as part of annual mine inspection.</p>	<p>Shasta County Department of Resource Management - Planning Division.</p>	

**MITIGATION MONITORING PROGRAM**

Mitigation Measure	Timing/Implementation	Enforcement/Monitoring	Verification (Date and Initials)
<p><b>MM 4.8.9b</b> In the event that the Planning Division receives complaints about noise or vibrations, the Planning Director shall review the complaint and determine whether it can be verified. If it can be verified, the Planning Director shall inform the project applicant that a study must be submitted to the Planning Division from an acoustical engineer or other qualified professional, including actual measurements of noise and vibration from project operations and blasting. The Planning Director may choose to have the Planning Division hire the acoustical engineer or other qualified professional to perform the study. In that case, the project applicant shall deposit monies with the Planning Division to cover the cost of the study and associated administrative costs. If the complaint is verified by the study, the study shall recommend measures to reduce or eliminate the causes of the complaint. The Planning Director shall require the project applicant to implement the recommendations deemed feasible by the Planning Director.</p>	<p>Upon receipt of complaint following commencement of regular activities at the project site.</p>	<p>Shasta County Department of Resource Management - Planning Division.</p>	
<p><i>Mitigations for environmental issues not discussed in the EIR. (See Section 4.1 of the Draft EIR for further information)</i></p>			
<p><b>MM 4.1.4a</b> If, in the course of development, any archaeological, historical or paleontological resources or human remains are uncovered, discovered or otherwise detected or observed, construction activities in the affected area shall cease and a qualified archaeologist shall be contacted to review the site and advise the Planning Division of the site's significance. If the findings are deemed significant by the Environmental Review Officer, appropriate mitigation shall be required.</p>	<p>During project implementation.</p>	<p>Shasta County Department of Resource Management - Planning Division.</p>	

**MITIGATION MONITORING PROGRAM**

<b>Mitigation Measure</b>	<b>Timing/Implementation</b>	<b>Enforcement/Monitoring</b>	<b>Verification (Date and Initials)</b>
<p><b>MM 4.1.4b</b> The project shall require a Caltrans encroachment permit to upgrade the existing driveway road approach to Caltrans "Type C" standards with a typical (R-2) modified deceleration right-turn lane and typical acceleration lane (X-6).</p>	<p>At commencement of project implementation.</p>	<p>California Department of Transportation.</p>	
<p><b>MM 4.1.4c</b> Onsite containment of wastewater shall be monitored by the Planning Division, as well as by the Regional Water Quality Control Board as part of its periodic inspection program.</p>	<p>As part of the annual mine inspection program.</p>	<p>Shasta County Department of Resource Management - Planning Division.</p>	