

MITIGATION MONITORING AND REPORTING PROGRAM

INTRODUCTION

The Mitigation Monitoring and Reporting Program (MMRP) has been prepared to implement the mitigation measures identified in the Kings River Sand and Gravel Project EIR. CEQA Section 21081.6 requires adoption of a monitoring or reporting program when mitigation measures have been identified that would reduce or avoid significant environmental effects. Because some of the measures identified in the EIR would be implemented through monitoring of an activity such as grading or excavation and other measures must be implemented through a reporting mechanism such as obtaining an air quality permit or an Emergency/Contingency Plan, this MMRP has been developed as a Mitigation Monitoring and Reporting Program.

CEQA requires adoption of a MMRP for those measures or conditions placed on a project to mitigate or avoid adverse effects on the environment. The law states that the MMRP shall be designed to ensure compliance during project implementation. When implemented, environmental effects associated with the project will be reduced or eliminated.

The MMRP has been prepared as a matrix containing the following elements:

- Measures that would mitigate significant impacts on the environment are recorded with the action and the procedure necessary to ensure compliance.
- A procedure of compliance and verification has been outlined for each measure. This procedure designates who will take action, what action will be taken and when, and to whom and when compliance will be reported.
- The MMRP has been designed to provide focused, yet flexible guidelines. As monitoring progresses, changes to compliance procedures may be necessary based upon recommendations by those responsible for the program.

PROGRAM MANAGEMENT

The MMRP will be in place through all phases of the project. The project planner, assigned by the Planning Director, shall coordinate enforcement of the MMRP and oversee it to ensure that proper action is taken on each mitigation measure. Each County department or division shall ensure compliance of the conditions (mitigation) that relate to that department.

The project planner or responsible County department has the authority to stop the work of the operator if compliance with any aspects of the MMRP is not occurring after written notification has been issued. The project planner or responsible County department also has the authority to deny entry into a new mining phase until compliance with a mitigation measure occurs.

**TABLE F-1
MITIGATION MONITORING AND COMPLIANCE PROGRAM**

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
AESTHETICS Changes in Views from Goodfellow Avenue and Residences North of Roadway (Impact 3.1-1)	None required. (This impact was less than significant because of a vegetated berm that was part of the previously-approved Project).	S-Mitigation Measure 3.1-3: Provide Orchard-Like Vegetative Screen The following mitigation elements are prescribed to ensure that the proposed orchard-like vegetative screen is as effective as possible. <ul style="list-style-type: none"> • Tree species shall be a citrus or evergreen variety that ensures dense screening. • The screen shall be planted in a minimum of four rows parallel to Goodfellow Avenue, with adjacent rows offset such that there are no gaps. • The screen shall be planted and maintained in a healthy state. Any dead or sickly trees shall be replaced. 	S-Mitigation Measure 3.1-3: Submittal of planting and landscaping plan through Building Permit Approval process. Effectiveness of the orchard-like screen will be monitored through the annual County Mine Inspections.	Fresno County Dept. of Public Works & Planning Development Services Division
Changes in Light and Glare (Impact 3.1-2)	C-1: Implement no-glare light fixtures that are strategically placed to meet	Unchanged from 1999 EIR.	C-1: Review of Project Site light fixtures prior to site plan approval.	Fresno County Dept. of Public Works & Planning Development

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
	<p>minimum levels of safety and security and use non-reflective surfaces.</p> <p>The project proponent shall implement the following measures to minimize light and glare impacts resulting from mining operations. Mitigation shall be implemented at the beginning and maintained throughout the project's existence. The following elements shall be reviewed by the County's Public Planning & Resource Management Department before the issuance of the site plan review approval:</p> <ul style="list-style-type: none"> • using light fixtures that are oriented away from the project boundaries, are focused downward or at specific necessary locations, or have shields that focus lights and minimize fugitive light; • minimizing the use of reflective surface materials and using colors that minimize contrast and glare, especially on rooftops, equipment decks, and taller structures; and 		Annual compliance through annual County Mine Inspections.	Services Division

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
	<ul style="list-style-type: none"> screening parking areas and other sources of daytime glare. <p>C-2: Restrict spillover light</p> <p>Lighting used on the project site shall be of such a type and arrangement that the increase in illumination on any public roadway or at any residence or in the riparian buffer area shall not increase by more than 1 foot-candle.</p>		<p>C-2: Annual compliance through annual County Mine Inspections.</p>	<p>Fresno County Dept. of Public Works & Planning Development Services Division</p>
<p>Changes to Views from Residences West of Project Site</p>	<p>J-1: Provide a Vegetative Buffer to Screen Views</p> <p>If Mitigation Measure G-1 is not adopted under the proposed project, then the project proponent should ensure that the following visual mitigation element is implemented during project construction:</p> <ul style="list-style-type: none"> Where administrative and plant facilities are located adjacent to the access road, plant and maintain evergreen species as a visual screen. 	<p>Unchanged from 1999 EIR.</p>	<p>J-1: Submittal of planting and landscaping plan through Building Permit Approval process. Effectiveness of the vegetative buffer will be monitored through the annual County Mine Inspections.</p>	<p>Fresno County Dept. of Public Works & Planning Development Services Division</p>

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
	This treatment shall be used for parking facilities, which shall be screened from the access road and shaded by evergreen trees to minimize glare.			
AIR QUALITY				
Operational Emissions During the Startup and Final Phases (Impact 3.2-1)	<p>F-1: Implement Measures to Reduce Emissions</p> <p>Dust-Reducing Measures to Reduce PM-10</p> <p>The project operator shall implement the following measures from the SJUAPCD 's Regulation VIII to reduce PM-10 emissions:</p> <ul style="list-style-type: none"> All disturbed areas, including storage piles, which are not actively utilized for a period of 7 days or more, shall be stabilized using water, chemical dust suppressants, or planting of vegetation, in such a manner to effectively limit visible dust emissions. All operations shall effectively limit visible dust emissions using water or chemical dust suppressants. 	Unchanged from 1999 EIR.	<p>F-1: Annual compliance through annual County Mine Inspections as well as inspections from San Joaquin Valley Air Pollution Control District.</p>	Fresno County Dept. of Public Works & Planning Development Services Division

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
	<ul style="list-style-type: none"> • All land clearing, excavation, and grading shall utilize effective dust control measures, such as water application or presoaking. • All operations shall limit or expeditiously remove the accumulation of mud or dirt from public paved roads adjacent to the site. • All areas used for storage of vehicles, equipment, and materials shall comply with the provisions of Rule 8070. 			
<p>F-2: [Superseded by S-Mitigation Measure 3.2-1 in the SEIR]</p>		<p>S-Mitigation Measure 3.2-1: Implement Measures to Reduce Ozone Precursor Emissions.</p> <p>The project operator shall implement the following measures to reduce ozone precursor emissions from the project:</p> <ul style="list-style-type: none"> • All internal combustion engine driven equipment shall be properly maintained and well tuned according to manufacturer's specifications. • Encourage the use of reformulated diesel fuel. 	<p>S-Mitigation Measure 3.2-1: Annual compliance through annual County Mine Inspections as well as coordination with San Joaquin Valley Air Pollution Control District regarding applicability of Heavy Duty Vehicle Incentive Program.</p>	<p>Fresno County Dept. of Public Works & Planning Development Services Division</p> <p>San Joaquin Valley Air Pollution Control District</p>

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
		<ul style="list-style-type: none"> • Use diesel engines that meet the most recent emission standards at the time equipment is purchased. • Encourage the use of equipment powered by alternative fuel or electricity. • Use on-road engines in off-road equipment, where feasible. • Equip all motored equipment with lean-NOx or diesel-oxidation catalysts, where feasible. • Work with the SJVUAPCD to determine if the Heavy Duty Vehicle Incentive Program would apply to equipment operated by CMI. 		
Operational Emissions during the Phase-In of the Permanent Plant (Impact 3.2-2)	See Mitigation Measures F-1 and F-2, above.	See Mitigation Measure F-1 and S-Mitigation Measure 3.2-1, above.	See Mitigation Measure F-1 and S-Mitigation Measure 3.2-1, above.	Fresno County Dept. of Public Works & Planning Development Services Division San Joaquin Valley Air Pollution Control District
Operational Emissions during	See Mitigation Measures F-1 and F-2, above.	See Mitigation Measure F-1 and S-Mitigation Measure 3.2-1, above.	See Mitigation Measure F-1 and S-Mitigation	Fresno County Dept. of Public Works &

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
the Full Production Phase (Impact 3.2-3)			Measure 3.2-1, above.	Planning Development Services Division San Joaquin Valley Air Pollution Control District
Emission of Hazardous Air Pollutants (Impact 3.2-4)	None required.	None required.		
Potential for Roadside Crop Damage Caused by Airborne Dust along Haul Routes (Impact 3.2-5)	Mitigation Measure F-3 is no longer required because of the County's implementation of the CMAQ Road Improvement Program. See pages 3.2-29 and 3.2-30 of the Supplemental EIR.	None required.		
The Revised Project Would Result in Potential to Violate Short-Term Carbon Monoxide (CO) Concentrations (Impact 3.2-6)	Not analyzed.	None required.		
The Project Could Increase Greenhouse Gas Emissions Above Baseline Conditions (Impact 3.2-7)	Not analyzed.	None required.		

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
LAND USE				
Consistency of the Proposed Project with Applicable Plans and Policies (Impact 3.3-1)	This impact was not considered potentially significant in the 1999 EIR.	S-Mitigation Measure 3.3-1a: Document historical production on the Project site. Ensure that the Project activities do not adversely impair the amount of historical production; or S-Mitigation Measure 3.3-1b: Delay implementation of ground-disturbing activities that could significantly impair agricultural production until after the 2008 harvest.	S-Mitigation Measure 3.3-1a: Submittal of documentation to Fresno County Department of Public Works & Planning Services Division Development Services Division of historical agricultural production at the Project Site if the Applicant determines that they do not want to delay implementation of ground-disturbing activities until after the 2008 harvest.	Fresno County Dept. of Public Works & Planning Services Division
Compatibility with Surrounding Land Uses (Impact 3.3-2)	None required.	None required.		
Conversion of Prime Agricultural Land to Nonagricultural Use (Impact 3.3-3)	D-1: [Superseded by S-Mitigation Measure 3.3-3 in the SEIR]	S-Mitigation Measure 3.3-3a: Maintain Farming Operations On-Site as Long as Possible and Salvage Topsoil This measure is described as D-1 in the 1999 EIR, but has been revised to reflect that the project no longer includes the	S-Mitigation Measure 3.3-3a: Annual compliance through annual County Mine Inspections to ensure mining is proceeding consistent with the phasing plan contained in the approved	Fresno County Dept. of Public Works & Planning Services Division

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
		<p>construction of a berm along Goodfellow Avenue.</p> <p>This measure now states:</p> <p>Current agricultural use of portions of the project site shall continue until the land is prepared for mining activities according to the phasing plan for the adopted Kings River Sand and Gravel Surface Mining and Reclamation Plan, except as specifically approved by the County. Topsoil and vegetation removal shall not precede the initiation of surface mining activities in Phases 3 through 9 by more than 1 year. (Topsoil and overburden will be removed more than 1 year in advance of mining in Phase 2. Material from this phase will be used to prepare the plant site.) Annual inspections by the County shall review compliance with this mitigation.</p> <p><u>Mitigation Measure 3.3-3b:</u> <u>In response to many comments regarding loss of farmland, preservation of an approximate</u></p>	<p>Reclamation Plan.</p> <p>S-Mitigation Measure 3.3-3b: The preservation mechanism shall be</p>	<p>Fresno County Dept. of Public Works & Planning Development Services Division</p>

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
		<p><u>73-acre parcel (APN 360-020-50) of land located along the Kings River on the southern boundary of the site will be protected as farmland. The location of this parcel of land will provide benefits including preservation of farmland, creation of a buffer between the Kings River and mining operations, as well as preserving open space for wildlife movement. See Figure 3.3-1 of the Supplemental EIR for location of the approximate 73-acre parcel. Preservation of this parcel may be accomplished by, but not limited to, use of conservation easements or deed restrictions.</u></p>	<p>implemented for the approximate 73-acre parcel (APN 360-020-50) prior to ground-disturbing activities that could significantly impair agricultural production.</p>	
<p>NOISE</p> <p>Potential Exposure of Nearby Residences to Noise from Construction (Impact 3.4-1)</p>	<p>G-1: [Superseded by S-Mitigation Measure 3.4-1a and S-Mitigation Measure 3.4-1b in the SEIR]. The 1999 EIR determined that construction noise that falls within the time frames specified by the Project were considered exempt from the Noise Ordinance.</p>	<p>S-Mitigation Measure 3.4-1a: The conditions outlined in the letter prepared by Running Luck Ranch and submitted to the County shall be implemented as a mitigation measure. These conditions include the following:</p> <p>The plant access from the Riverbend alignment shall be located at least 500 feet from the structure on the property</p>	<p>S-Mitigation Measure 3.4-1a: The site plan, which shows the plant access from the Riverbend alignment, shall be submitted through the Building Permit Approval process. The location of the access road shall be confirmed after construction and prior</p>	<p>Fresno County Dept. of Public Works & Planning Development Services Division</p>

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
		<p>immediately west of the project site.</p> <p>S-Mitigation Measure 3.4-1b: In addition, Calaveras will implement noise-reducing measures at the structure located west of the project site during overburden removal activities on Phases 2, 3, and 4 which are within 1,600 feet of any residences to the north or west so that noise from the project does not exceed County Noise Ordinance criteria and Noise Element standards at the residence. The measures include the following:</p> <p>If permission of the owner of the caretaker dwelling is obtained, installation of acoustical upgrades to the residence, including dual-paned windows and air-conditioning for interior noise control.</p>	<p>to implementation of Phase 1 of the Project.</p> <p>S-Mitigation Measure 3.4-1b: If permission is granted, implement noise attenuation measures outlined in this measure prior to implementation of Phases 2, 3 and 4 which are within 1,600 feet of any residence to the north or west of the Project Site.</p>	<p>Fresno County Dept. of Public Works & Planning Development Services Division</p>
<p>Potential Exposure of Nearby Residences to Noise from Soil Removal Activities</p>	<p>Mitigation Measures G-1 and G-2 are superseded by S-Mitigation Measure 3.4-2a and S-Mitigation Measure 3.4-2b.</p>	<p>S-Mitigation Measure 3.4-2a: Obtain permission from the owner of any potentially affected properties to briefly conduct clearing operations in close</p>	<p>S-Mitigation Measure 3.4-2a: Either submit permission from affected property owners that authorizes</p>	<p>Fresno County Dept. of Public Works & Planning Development Services Division</p>

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
(Impact 3.4-2)		<p>proximity to existing homes, or temporarily relocate any affected tenants for a few weeks.</p> <p>OR</p> <p>S-Mitigation Measure 3.4-2b: Erect a temporary barrier that interrupts the line of sight between the scrapers and the nearest residences. A 12-foot high barrier would be required for any scraper operations within 1,600 feet of any home. The barrier could take the form of earthen berms, stackable large precast concrete blocks, hay bales (provided they stay standing for the duration necessary), plywood fencing, or other materials as approved by Fresno County Department of Community Health, Environmental Health Division.</p>	<p>the brief conduct of clearing operations in close proximity or documentation of temporarily relocate affected tenants for the duration of the clearing operations.</p> <p>S-Mitigation Measure 3.4-2b: If permission or relocation option is not implemented pursuant to S-Mitigation Measure 3.4-2a, erect a temporary barrier consistent with this measure.</p>	Fresno County Dept. of Community Health, Environmental Health Division
Potential Exposure of Existing Residences to Noise from Off-Site	This impact was considered less than significant in the 1999 EIR. None required.	None required.		

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
Project Traffic (Impact 3.4-3)				
TRAFFIC				
Impacts to Traffic Capacity and Level of Services (Impact 3.5-1)	Traffic Impact analysis and mitigation superseded by SEIR.	<p>S 3.5-1: Generally-accepted engineering principles and methods were employed to estimate the amount of traffic expected to be generated by the project and to analyze the traffic conditions expected to exist in the future. The following provides project-specific mitigations:</p> <p>Exacerbation of existing unacceptable level of service at the intersection of Central and Academy Avenues. Mitigation shall be payment of pro rata share towards construction of a westbound left-turn lane and associated improvements to align eastbound and westbound through lanes.</p>	<p>S-Mitigation Measure 3.5-1: Prior to Project initiation, Applicant shall enter into agreements with the County and CalTrans guaranteeing its proportional fair share towards required improvements. This shall be verified by the submittal of the agreements to the County Development Services Division.</p>	<p>Fresno County Dept. of Public Works & Planning Development Services Division</p> <p>Design Division of the Public Works and Planning Department</p> <p>CalTrans</p>
Cumulative Impacts to Traffic Capacity and Level of Services (Impact 3.5-2)	Traffic Impact analysis and mitigation superseded by SEIR.	<p>S-Mitigation Measure 3.5-2: Proportionate Share Responsibility (See Table 3.5-20, below):</p> <p>The County of Fresno requires the use of the following equation</p>	<p>S-Mitigation Measure 3.5-2: Prior to proposed project initiation, Applicant shall enter into agreements with the County and CalTrans</p>	<p>Fresno County Dept. of Public Works & Planning Development Services Division</p> <p>Design Division of the Public Works and</p>

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
		<p>to determine a project's proportionate share of future improvements:</p> <p><i>Where:</i></p> <p>P = The proportionate share of the project's traffic impact;</p> <p>T = The project trips generated during the peak hour of the adjacent roadway;</p> <p>T_B = The forecasted (future with project) traffic volume on the impacted roadway facility.</p> <p>Table 3.5-20, Proportionate Share Responsibility Calculations-A.M. (P.M.) Peak Hour, presents the proportionate share calculations. The County of Fresno shall require that the Project contribute a proportionate share of the cost of the future improvements if no other funding mechanism is in place.</p> <p>(See Table 3.5-20, Proportionate Share Responsibility Calculations - A.M. (P.M.) Peak Hour below.)</p>	<p>guaranteeing its proportional fair share towards required improvements. This shall be verified by the submittal of the agreements to the County Development Services Division.</p>	<p>Planning Department CalTrans</p>

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department																																								
		<p style="text-align: center;">TABLE 3.5-20 PROPORTIONATE SHARE RESPONSIBILITY CALCULATIONS – A.M. (P.M.) PEAK HOUR</p> <table border="1" data-bbox="565 674 1019 1230"> <thead> <tr> <th>Location</th> <th>Mitigation</th> <th>Project Traffic</th> <th>Cumulative Traffic</th> <th>Proportionate Share (Percent)</th> </tr> </thead> <tbody> <tr> <td>Central/SR 99 interchange</td> <td>Reconstruction</td> <td>10 (7)</td> <td>1,691 (2,437)</td> <td>0.59 (0.29)</td> </tr> <tr> <td>Central/Chestnut</td> <td>Additional lanes</td> <td>10 (6)</td> <td>2,233 (3,160)</td> <td>0.45 (0.19)</td> </tr> <tr> <td>Central/Temperance</td> <td>All-way stop control</td> <td>14 (6)</td> <td>798 (893)</td> <td>1.75 (0.67)</td> </tr> <tr> <td>Central/Academy</td> <td>Signals and lanes</td> <td>36 (18)</td> <td>1,387 (2,099)</td> <td>2.60 (0.86)</td> </tr> <tr> <td>Manning/Academy</td> <td>Westbound right turn</td> <td>10 (4)</td> <td>2,321 (2,819)</td> <td>0.43 (0.14)</td> </tr> <tr> <td>Central – SR 99 to Chestnut</td> <td>Widening</td> <td>10 (6)</td> <td>1,546 (2,202)</td> <td>0.65 (0.27)</td> </tr> <tr> <td>Central – Chestnut to Golden State</td> <td>Widening</td> <td>10 (6)</td> <td>1,000 (1,366)</td> <td>1.00 (0.44)</td> </tr> </tbody> </table>	Location	Mitigation	Project Traffic	Cumulative Traffic	Proportionate Share (Percent)	Central/SR 99 interchange	Reconstruction	10 (7)	1,691 (2,437)	0.59 (0.29)	Central/Chestnut	Additional lanes	10 (6)	2,233 (3,160)	0.45 (0.19)	Central/Temperance	All-way stop control	14 (6)	798 (893)	1.75 (0.67)	Central/Academy	Signals and lanes	36 (18)	1,387 (2,099)	2.60 (0.86)	Manning/Academy	Westbound right turn	10 (4)	2,321 (2,819)	0.43 (0.14)	Central – SR 99 to Chestnut	Widening	10 (6)	1,546 (2,202)	0.65 (0.27)	Central – Chestnut to Golden State	Widening	10 (6)	1,000 (1,366)	1.00 (0.44)		
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<p>The Proposed Project May Have Adverse Impacts on the Traffic Index of County Roads (Impact 3.5-3)</p>	<p>Traffic Impact analysis and mitigation superseded by SEIR.</p>	<p>S-Mitigation Measure 3.5-3:</p> <ul style="list-style-type: none"> Traffic Index increase of 1.0 or more on the Goodfellow Avenue road segment between Newmark and Riverbend Avenues. Mitigation shall include pavement improvements as 	<p>S-Mitigation Measure 3.5-3: Prior to proposed project initiation, Applicant shall enter into agreements with the County and CalTrans guaranteeing pavement improvements meeting</p>	<p>Fresno County Dept. of Public Works & Planning Development Services Division Design Division of the Public Works and Planning Department</p>																																								

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
		<p>required by the County of Fresno.</p> <ul style="list-style-type: none"> Traffic Index increase of 1.0 or more on the Central Avenue road segment between Academy and Newmark Avenues. Mitigation shall include pavement improvements as required by the County of Fresno. Traffic Index increase of 1.0 or more on the eastbound Central Avenue road segment between Bethel and Academy Avenues. Mitigation shall include pavement improvements as required by the County of Fresno. 	<p>the Traffic Index increases specified in this measure. This shall be verified by the submittal of the agreements to the County Development Services Division.</p>	<p>CalTrans</p>
HYDROLOGY				
<p>Potential to Impair the Function of Nearby Groundwater Wells through Groundwater Pumping and Reclamation Lake Evaporation at the Project Site</p>	<p>B-1/PH-1: Monitor Water Levels in Onsite and Neighboring Wells</p> <p>Before mining begins, a monitoring program for measuring groundwater levels in on-site monitoring wells (Figure 3B-2) shall be implemented and maintained by the County. The monitoring program shall be</p>	<p>Unchanged from the 1999 EIR.</p>	<p>B-1/PH-1: Prior to mining, submit a monitoring program, prepared by a qualified professional approved by the County, to the Fresno County Department of Public Works and Planning Development Services Division. The reports</p>	<p>Fresno County Dept. of Public Works & Planning Development Services Division</p> <p>Design Division of the Public Works and Planning Department</p> <p>CalTrans</p>

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
	<p>prepared by a qualified professional (acceptable to the Fresno County Planning & Resource Management Department) and approved by the Fresno County Planning & Resource Management Department. The cost of preparing, implementing and maintaining the program shall be paid by the operator. The wells located on the north, south, east, and west sides of the project site, just southeast of the plant site, would be used as control points for water level contours until the wells were removed during mining. The monitoring program shall include installation of a continuous recording water level recorder in the well nearest to the active aggregate removal area and weekly water level measurements in wells that are farther away; a water level data table prepared on a quarterly basis; and a map of water level elevation contours prepared on a quarterly basis. These will be used by the County and compared to background water</p>		<p>required by this measure shall be submitted to the Fresno County Department of Public Works and Planning Development Services Division as required by the measure for review and approval. Groundwater monitoring will continue after reclamation until there is no reduction in well yields attributable to the Project in any neighboring wells for two consecutive years.</p>	

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
	<p>level data, previous elevation contour maps, and seasonal fluctuations in depth to the water table. The results of the monitoring program shall be retained by the County. If a neighbor within 2,000 feet of the project boundary reports a reduction in well yield that is potentially related to the project, and if the results of the monitoring program indicate that the project may be responsible for the reduction in yield (as determined by the County), the operator shall pay for the following:</p> <ul style="list-style-type: none"> • A study of the neighboring well, to be completed within 30 days, to determine if project operations have created a reduction in well yield; and • Deepening, rehabilitation, or replacement of the neighboring or affected well, according to the County's direction, if it is confirmed that the project has caused significant 			

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
	<p>reduction in well yields in the neighboring well.</p> <p>Groundwater monitoring shall continue beyond the completion of reclamation. If no reduction in well yields attributable to the project in any neighboring well were to occur for two consecutive years in which rainfall is either normal or below normal, the groundwater monitoring would cease.</p> <p>B-2/PH-3: Add Surface Water to Reclamation Lakes</p> <p>Given the limited extent of drawdown on surrounding parcels, Mitigation B-1 should adequately reduce groundwater impacts to a less than significant level. To minimize adverse impacts, the applicant shall pursue the use of surface water rights associated with the project site to divert surface water to the reclamation lakes for the purpose of groundwater recharge. If successful, this effort would</p>		<p>B-2/PH-3: If necessary, submit documentation of the acquisition of surface water rights or provide documentation that the Applicant can provide water from another source in an amount sufficient to ensure mitigation to the Fresno County Department of Public Works and Planning Development Services Division and County Counsel</p>	<p>Fresno County Dept. of Public Works & Planning Development Services Division</p>

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
	<p>minimize off site impacts on groundwater levels. This groundwater recharge through the lakes would be used to replace reduced groundwater recharge resulting from the loss of deep percolation of irrigation water in mined areas, and any groundwater lost to evaporation from the lakes' exposed surfaces.</p> <p>PH-3 Water Agreement The provisions of Mitigation Measure B2 shall be met through an agreement with the Kings River Water District or through presentation to County Counsel of evidence that the applicant can provide water from another source in an amount</p>			
Potential to Impair the Function of Nearby Groundwater Wells Due to a Net Increase in Groundwater Consumption and Loss of Recharge from Conversion of Land from	See Mitigation Measures B-1 and B-2, above.	Unchanged from the 1999 EIR.		

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
<p>Agricultural Use to Reclamation Lakes and Riparian and Upland Habitat</p> <p>Potential to Increase Flooding Potential Due to Mining Activities</p>	<p>B-3: Evaluate Flood Zone Boundaries</p> <p>The applicant shall have a registered surveyor or engineer survey the portion of the project site within the FEMA 100-year flood zone, define and stake the boundaries for the zone and determine the current elevations to ensure that no mining, material storage, nor grading activity will occur within the 100-year flood zone as currently established or as may be revised by FEMA.</p>	<p>Unchanged from the 1999 EIR.</p>	<p>B-3: Submit the flood zone boundary survey to the Fresno County Department of Public Works and Planning Development Services Division prior to implementation of Phase 1 of the Project.</p>	<p>Fresno County Dept. of Public Works & Planning Development Services Division</p>
<p>Potential for Cumulative Degradation of Surface Water and Groundwater Quality During Mining or After Reclamation, Impairing their Beneficial Uses</p>	<p>B-4/PH-2: Monitor Water Quality</p> <p>The operator shall establish a water quality monitoring program to be paid for by the project operator and reviewed by the Fresno County Planning & Resource Management Department. The monitoring program shall commence before mining begins to provide</p>	<p>Unchanged from the 1999 EIR.</p>	<p>B-4/PH-2: Prior to mining, submit a water quality monitoring program, prepared by a qualified professional approved by the County, to the Fresno County Department of Public Works and Planning Development Services Division. The report summarizing the</p>	<p>Fresno County Dept. of Public Works & Planning Development Services Division</p>

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
	<p>information about baseline conditions and shall require collection of water samples from the on-site monitoring wells, surface water upstream and downstream on both the Kings River and Cameron Slough, and the lake(s) created by mining. Samples shall be sent to a qualified laboratory for water quality analysis. A report of the analysis shall be sent to the Fresno County Planning & Resource Management Department.</p> <p>The water quality monitoring program shall meet the following requirements:</p> <p>All monitoring wells shall be sampled twice per year using standard protocols such as purging the well with at least three volumes of water before sample collection, using personnel trained in sample collection methods, and properly preserving and storing samples for laboratory analysis. Surface water samples will be collected</p>		<p>water quality analysis required by this measure shall be submitted to the Fresno County Department of Public Works and Planning Development Services Division as required by the measure for review and approval. Water quality monitoring will be implemented throughout the life of the Project as required by this measure. Any water quality problems that may arise along with remediation measure shall be documented and submitted to the Fresno County Department of Public Works and Planning Development Services Division.</p>	

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
	<p>twice per year as individual grab samples and be properly preserved and stored before analysis. Samples of surface water shall not be collected within 5 days of any previous precipitation event.</p> <ul style="list-style-type: none"> Physical and chemical parameters to be measured will be defined in the monitoring program. At a minimum, all samples will be analyzed in the field for temperature, pH, and electrical conductivity. Samples submitted to a laboratory will be analyzed for major anions and cations, electrical conductivity, total dissolved solids, iron, and manganese. On an annual basis, monitoring well samples will also be analyzed for DBCP and trace metals regulated under Title 22 drinking water standards. If water quality problems related to operation of the proposed project (as determined by the County) 			

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
	<p>are discovered during monitoring, the operator shall pay for the following:</p> <ul style="list-style-type: none"> - a study to determine the cause of the water quality problems; and - remediation of the water quality problems, both onsite and offsite if necessary. <ul style="list-style-type: none"> • If a neighbor reports water quality problems that are related to the project (as determined by the County), the operator shall pay for the following: <ul style="list-style-type: none"> - a study to determine the cause of the water quality problem; - remediation of the water quality problem; <p>Once reclamation and any remediation are completed, surfacewater monitoring would cease and groundwater monitoring would continue. If no significant degradation of groundwater quality attributable</p>			

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
	<p>to the project were to occur for two consecutive years following completion of remediation, the requirement for groundwater quality monitoring and reporting would cease.</p> <p>PH-2 Monitoring Water Quality Mitigation Measure B-4 is modified to require the County to establish and implement the water quality monitoring program. The operator shall continue to pay for the monitoring program.</p> <p>B-4a: Provide Temporary Berms</p> <p>During the mining phases of the project, the applicant shall construct temporary berms between the lakes and remaining farmland to prevent agricultural surface water runoff from entering the lakes.</p>		<p>B-4a: Annual compliance through annual County Mine Inspections to ensure construction of the temporary berms between the lakes and remaining farmland.</p>	
<p>Potential for Degradation of Groundwater Quality from Construction of</p>	<p>See Mitigation Measure B-4, above.</p> <p>B-5: Construct Septic System that</p>	<p>Unchanged from the 1999 EIR.</p>	<p>B-5: Prior to mining, submit the onsite septic system design, prepared by a qualified professional acceptable</p>	<p>Fresno County Community Health Dept.</p>

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
<p>Septic Systems</p>	<p>Satisfies Fresno County's Standards</p> <p>Before mining begins, the applicant shall hire a qualified professional (acceptable to Planning & Resource Management Department) to design the onsite septic systems to satisfy Fresno County's standards. The leach lines must be at least 100 feet away from domestic wells and the 100-year flood line of Hanke Ditch, Kings River, or Cameron Slough and 200 feet from the groundwater lakes.</p> <p>B-6: Replace Malfunctioning Septic System</p> <p>If the water quality monitoring program indicates that the onsite septic system is leaking into the lake or is detectable in domestic wells, the applicant shall discontinue use of the system until it is redesigned and/or relocated to the satisfaction of Fresno County Community</p>		<p>to the County, to the Fresno County Department of Public Works and Planning Development Services Division.</p> <p>B-6: If on-site septic system is leaking into the lakes or the leakage is detectable in domestic wells the use will be discontinued until it is designed or relocated to the satisfaction of the Fresno County Department of Community Health, Environmental Health Division prior to commencement of use.</p>	

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
Increased Artificial Light Along the Riparian Corridor	Health Department. See C-1 above.	Unchanged from the 1999 EIR.	See C-1 above.	See C-1 above.
Potential Loss of, or Disturbance to, VELB	See C-2 above. C-3: Protect Elderberry Shrubs from Construction- and Operation-Related Impacts The U.S. Fish and Wildlife Service (USFWS) (1996) recommends two levels of avoidance: a core avoidance area and an additional buffer. The core avoidance area includes an area within 20 feet of the dripline of any elderberry shrub with a stem measuring 1.0 inch or greater in diameter at ground level. The core avoidance area shall not be disturbed during or after construction or during operation of the project. The buffer avoidance area includes the area within 100 feet of any elderberry shrub with a stem measuring 1.0 inch or greater in diameter at ground level. Because construction or mining activities in the buffer avoidance area could	See C-2 above. Unchanged from the 1999 EIR.	See C-2 above. C-3: The Applicant shall submit a map and avoidance detail documenting compliance with this measure to the USFWS and the Fresno County Department of Public Works and Planning Development Services Division.	See C-2 above. Fresno County Dept. of Public Works & Planning Development Services Division U.S. Fish and Wildlife Service

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
	<p>adversely affect VELB, no construction or mining activities shall occur in the buffer avoidance area.</p> <p>Before the start of work in Phase 2, the project proponent shall:</p> <ul style="list-style-type: none"> • survey and map all elderberry shrubs with stems measuring 1.0 inch or greater in diameter; • provide the USFWS and the County's Planning and Resource Management Department with a map and written details identifying the avoidance area by the project proponent. The County's Public Works and Development Services Department shall ensure that the buffer area is fenced and flagged before the start of work on Phase 2; • brief contractors on the requirement to avoid damaging VELB habitat areas and the penalties for not complying with these requirements; • install signs every 50 feet along the edge of the avoidance areas with the following information: "This area is habitat of the valley elderberry longhorn 			

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
	<p>beetle, a threatened species, and must not be disturbed. This species is protected under the Endangered Species Act of 1973, as amended. Violators are subject to prosecution, fines, and imprisonment. " The signs shall be clearly readable from a distance of 20 feet and must be maintained for the duration of construction and operation;</p> <ul style="list-style-type: none"> • instruct work crews about the status of the beetle and the need to protect its elderberry host plant; and • implement dust control measures in the mining area to minimize dust affecting riparian shrubs and elderberry shrubs (Mitigation Measure 3F-1). 			
PUBLIC HEALTH AND SAFETY				
<p>Potential Increase in Vectors Resulting from Reclamation</p>	<p>H-1: Implement Mosquito Abatement Program as Needed</p> <p>Vector control problems shall be addressed as required by CMAD (Smith pers. comm.). Vector control procedures may include</p>	<p>Unchanged from the 1999 EIR.</p>	<p>H-1: Implement a mosquito abatement Program as required prior to commencing with Phase 1 of the Project.</p>	<p>Consolidated Mosquito Abatement District</p>

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
	<p>routine surveillance by the CMAD, and the project proponent shall ensure that site access is available to the CMAD. Additionally, vector control procedures shall not affect riparian vegetation at the project site. Both the project proponent and the CMAD will be responsible for ensuring that the riparian vegetation is not affected by vector control measures.</p>			
PUBLIC SERVICES AND UTILITIES				
<p>Potential for Fire Hazards</p>	<p>I-1: Implement Fire Control Requirements</p> <p>The project proponent should implement the following fire control requirements of the California Public Resources Code:</p> <ul style="list-style-type: none"> • maintain a minimum 30-foot firebreak around all buildings and structures (Pub. Res. Code Section 4291), • maintain one round-point shovel and one back pack pump water-type fire extinguisher (Pub. Res. Code Section 4427), and 	<p>Unchanged from the 1999 EIR.</p>	<p>I-1: Documentation of compliance with the fire control requirements shall be submitted to the Fresno County Fire Protection District prior to commencing with Phase 1 of the Project.</p>	<p>Fresno County Fire Protection District</p>

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
	<ul style="list-style-type: none"> Attach spark arresters to any engines or vehicles operating in the project area (Pub. Res. Code Section 4442). 			
CULTURAL RESOURCES				
<p>Potential Damage to Currently Unknown Cultural Resources</p>	<p>K-1: Implement a Plan to Address the Discovery of Unanticipated Cultural Resources</p> <p>The mine operator shall implement the following plan:</p> <ol style="list-style-type: none"> If cultural resources, such as chipped or ground stone, historic debris, building foundations, or human bone, are discovered during construction or operational activities, the developer or operator shall stop work in the area within 100 feet of the find; retain a qualified archaeologist to assess the significance of the find; and, if necessary, develop appropriate treatment measures in consultation with the California State Historic Preservation Officer. If human bone is found as a result of any construction or 	<p>Unchanged from the 1999 EIR.</p>	<p>K-1: Implement the plan outlined in this measure prior to commencing with Phase 1 of the Project. If a discovery occurs during mining or reclamation activities, comply with the applicable components of the Plan.</p>	<p>Fresno County Dept. of Public Works & Planning Development Services Division</p> <p>The California State Historical Preservation Offices</p> <p>Fresno County Coroner</p>

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
	<p>operational activity, the developer or operator shall stop all disturbance activities and notify the Fresno County Coroner within 48 hours in compliance with California Public Resource Code Sections 5079.94 and 5097.98. If the coroner determines that the remains are of Native American origin, the California Native American Heritage Commission shall be notified.</p> <p>3. If cultural resources are identified, they should be avoided if it is feasible to do so.</p> <p>4. If avoidance is not feasible, then the significance of these resources should be assessed by a qualified archaeologist and, if they are determined to be significant resources in accordance with the State CEQA Guidelines, adverse impacts should be mitigated. In the case of archaeological sites, mitigation usually consists of data recovery excavations to retrieve the</p>			

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
	data that would be lost through disturbance.			
RECLAMATION	<p>PH-4 Irrigation Systems Irrigation systems shall be installed consistent with the Revegetation Plan of the Surface Mining & Reclamation Plan, Section 4.2.3f. The Revegetation Monitoring Plan (SMRP Sect. 4.3.2j) shall be carried out and the self-sustaining ability of the vegetation with no irrigation after two years shall be verified before final approval of the reclamation plan for the respective phase.</p>	<p>Note: While irrigation systems shall be installed, the north landscape berm has been replaced by an orchard-like vegetation screen.</p>	<p>PH-4: Annual compliance through annual County Mine Inspections to ensure irrigation is consistent with the revegetation plan contained in the approved Reclamation Plan. Note: the previously-proposed landscape berm has been replaced with a orchard-like vegetation screen.</p>	<p>Fresno County Department of Public Works and Planning Development Services Division.</p>
<p>PH-8 Onsite signage A sign shall be installed on-site a sufficient distance from the access point on Goodfellow Avenue stating that truck drivers must remove all loose sand and gravel from trucks before exiting the site.</p>			<p>PH-8: Compliance with on-site signage shall be confirmed by a pre-operational inspection by the Fresno County Department of Public Works and Planning Development Services Division. Annual compliance through annual County Mine Inspections.</p>	<p>Fresno County Department of Public Works and Planning Development Services Division.</p>

TABLE F-1 (CONTINUED)

Identified Impacts	Applicable 1999 EIR Mitigation Measures	SEIR Mitigation Measures	Compliance / Monitoring Procedure	Responsible Department
NOISE	<p>PH-9 Noise Ordinance Compliance The Fresno County Noise Ordinance shall be complied with as set forth in Mitigation Measure G-2 and Condition 10 of the Conditional Use Permit.</p>		<p>PH-9: The Applicant will be required to report any documented violations of the Noise ordinance to the Fresno County Department of Public Works and Planning Services Development Division.</p>	<p>Fresno County Department of Public Works and Planning Services Development Division.</p>