

5. APPENDIX A: MITIGATION MONITORING AND REPORTING PROGRAM



Mitigation Monitoring and Reporting Program
San Joaquin County
Upper Mormon Slough Erosion Repair Project

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Mitigation Monitoring and Reporting Program

INTRODUCTION

This mitigation monitoring and reporting program (MMRP) was prepared by San Joaquin County (County) for the Upper Mormon Slough Erosion Repair Project (proposed project). The Initial Study (IS) and proposed Mitigated Negative Declaration (MND) for this project includes a series of applicant-proposed mitigation measures that will be incorporated into the project to reduce any potentially significant environmental impacts to less than significant levels. Those mitigation measures are incorporated into this MMRP and are listed in Table 1.

LEGAL REQUIREMENTS

Under CEQA, public agencies are not to approve projects, as proposed, if there are feasible alternatives or feasible mitigation measures available that would substantially lessen the significant environmental effects of such projects (California Public Resources Code [PRC] 21002). Furthermore, California PRC Section 21081.6 states:

- The public agency shall adopt a reporting or monitoring program for the changes made to the project or conditions of project approval adopted in order to mitigate or avoid significant effects on the environment. The reporting or monitoring program shall be designed to ensure compliance during project implementation.
- The monitoring program must be adopted when a public agency makes its findings under CEQA. The program must be designed to ensure compliance with mitigation measures during project implementation.

AUTHORITIES AND RESPONSIBILITIES

San Joaquin County will have the primary responsibility for monitoring the implementation of mitigation measures identified in the MMRP. The County has the authority to stop any activity associated with the project if the activity is determined to be a deviation from the approved project or the adopted mitigation measures. The County may delegate responsibility for monitoring to other agencies or consultants and will ensure that the delegated person is qualified to monitor compliance.

IMPLEMENTATION AND COMPLIANCE APPROVAL PROCESS

Table 1 lists the mitigation measures identified in the IS and proposed MND. Table 1 also identifies the party responsible for ensuring implementation of the mitigation measure and the timing of mitigation measure implementation.



Table 1: San Joaquin County Upper Mormon Slough Erosion Repair Project, Mitigation Measures

Title of Measure	Description of Measure	Implementing Responsibility	Timing
Air Quality			
AQ-1: Regulation VIII Control Measures	<ul style="list-style-type: none"> • All disturbed areas, including storage piles, which are not being actively utilized for construction purposes, shall be effectively stabilized of dust emissions using water, chemical stabilizer/suppressant, covered with a tarp or other suitable cover or vegetative ground cover. • All on-site unpaved roads and off-site unpaved access roads shall be effectively stabilized of dust emissions using water or chemical stabilizer/suppressant. • All land clearing, grubbing, scraping, excavation, land leveling, grading, cut & fill, and demolition activities shall be effectively controlled of fugitive dust emissions utilizing application of water or by presoaking. • When materials are transported off-site, all material shall be covered, or effectively wetted to limit visible dust emissions, and at least six inches of freeboard space from the top of the container shall be maintained. • All operations shall limit or expeditiously remove the accumulation of mud or dirt from adjacent public streets at the end of each workday. (The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions.) (Use of 	San Joaquin County	During Construction



	<p>blower devices is expressly forbidden.)</p> <ul style="list-style-type: none"> • Following the addition of materials to, or the removal of materials from, the surface of outdoor storage piles, said piles shall be effectively stabilized of fugitive dust emissions utilizing sufficient water or chemical stabilizer/suppressant. • An owner/operator of any site with 150 or more vehicle trips per day, or 20 or more vehicle trips per day by vehicles with three or more axles shall implement measures to prevent carryout and trackout. 		
Cultural Resources and Tribal Cultural Resources			
CR-1	ESAs shall be delineated to protect against inadvertent adverse effects to potential historic properties.	San Joaquin County	During Construction
CR-2	A SOI qualified prehistoric archaeological monitor shall be present for all ground disturbing work (including grubbing) in culturally designated areas.	San Joaquin County, construction contractor, qualified archaeologist	During Construction



CR-3	A Late Discovery Plan shall be drafted and signed by all stakeholders (TBD) prior to the start of construction.	San Joaquin County, construction contractor, qualified archaeologist	During Construction
CR-4	Areas within the project APE designated as ESAs shall be delineated with construction fencing prior to the start of construction and monitored periodically, per the Late Discovery Plan.	San Joaquin County, construction contractor, qualified archaeologist	During construction
CR-5	If human remains are encountered during construction, it is required that work stop immediately in that area and notification be made to the San Joaquin County Sheriff's Coroner's Division (CCR 15064.5(e) (1) (A); HSC Sec.7050.5). Contact information for the Chief Medical Examiner at the time of this report: San Joaquin County Sherriff's Coroner's Division; Dr. Michael Hunter– Chief Medical Examiner 7000 Michael N. Canlis Blvd. French Camp, CA 95231; Phone: (209) 468-4300 Email: mhunter@sjgov.org. If the coroner determines the remains to Native American, the Coroner shall contact the NAHC within 24 hours and collaboratively determine the Most Likely Descendant (CCR 15064.5(e)(1)(B).	San Joaquin County, construction contractor, qualified archaeologist	During construction
Biological Resources			
BIO-1	All instream work will be completed between June 1 and October 31.	San Joaquin County	Prior to Construction



Title of Measure	Description of Measure	Implementing Responsibility	Timing
Geology and Soils			
GEO-1	<p>Mitigation included would consist of preparation and implementation of a SWPPP to address erosion, stormwater runoff, sedimentation, and other construction-related pollutants during project construction until all areas disturbed during construction have been permanently stabilized. The preparation and implementation of the SWPPP is necessary to comply with the requirements of the county’s erosion control ordinance and the state’s NPDES general construction activity stormwater permit.</p> <p>Implementation of mitigation which includes the SWPPP and associated BMPs would reduce the potential for erosion and sedimentation as a result of the proposed Project construction activities to less than significant. Further, the proposed Project would improve the stability of the levee by further reducing seepage and the potential for seepage-related failures.</p>	San Joaquin County, construction contractor	Prior to Construction, During Construction
Hazards and Hazardous Materials			
HAZ-1: Hazardous Materials Training Program	Prior to initiating construction, the construction contractor shall be trained regarding the identification and handling of hazardous materials and spill containment and agency notification procedures. Should any known or suspected release of hazardous materials occur during proposed project construction or operation, the spills would be immediately	San Joaquin County, construction contractor	Prior to Construction



	<p>addressed, and the affected soils would be containerized and tested to determine the appropriate disposal options. The County shall notify agencies and perform the required remediation if there is a release of reportable (or otherwise significant) quantities of hazardous materials. In the event of a fuel spill, the San Joaquin County Department of Environmental Resources would be notified, and clean-up would be accomplished under the guidance of regulatory oversight, as required.</p>		
HAZ-2: Inadvertent Discovery of Contaminated Materials During Construction	<p>Prior to initiating construction, the construction contractor will prepare a Construction Management Plan (CMP) that prescribes activities for workers to follow in areas where the presence of undocumented soil or groundwater contamination is suspected based on visual observation or smell. The CMP will include (but is not intended to be limited to) provisions for daily briefings of construction staff prior to work regarding what to look for, a list of contact persons in case of a possible encounter with undocumented contamination, provisions for immediate notification of construction management, notification of the applicable local enforcement agency, consultation with that agency, and protocols for further action. In such instances, construction activities would cease until it is determined in coordination with regulatory agencies that work can proceed without the risk of injury to persons or the environment.</p>	San Joaquin County, construction contractor	Prior to Construction
Hydrology and Water Quality			
WQ-1	<p>As one (1) or more acres of soil will be disturbed, the project is required to obtain coverage under the General Permit for Discharges of Storm Water Associated with Construction Activity Construction General Permit Order 2009-0009-DWQ.</p>	San Joaquin County, construction contractor	Prior to Construction and During Construction



WQ-2	Erosion control measures shall be implemented during construction of the Proposed Project. These measures shall include the preparation of a SWPPP, which describes and illustrates placement of BMPs within the project site.	San Joaquin County, construction contractor	During Construction
WQ-3	<p>Construction specifications shall include the following measures to minimize the potential for adverse effects resulting from accidental spills of pollutants (e.g., fuel, oil, grease):</p> <ul style="list-style-type: none"> • A site-specific spill prevention plan shall be implemented for potentially hazardous materials. The plan shall include the proper handling and storage of all potentially hazardous materials, as well as the proper procedures for cleaning up and reporting any spills. If necessary, containment berms shall be constructed to prevent spilled materials from reaching surface water features. • Equipment and hazardous materials shall be stored a minimum of 50 feet away from surface water features. • Vehicles and equipment used during construction shall receive proper and timely maintenance to reduce the potential for mechanical breakdowns leading to a spill of materials. Maintenance and fueling shall be conducted in an area at least 50 feet away from surface water features or within an adequate fueling containment area. 	San Joaquin County, Construction Contractor	During Construction

