Mitigation Monitoring and Reporting Program

Sewer Maintenance District 1 Wastewater Treatment Plant Upgrade and Expansion



Prepared for: Placer County

Mitigation Monitoring and Reporting Program

Sewer Maintenance District 1 Wastewater Treatment Plant Upgrade and Expansion



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MITIGATION MONITORING AND REPORTING PROGRAM

INTRODUCTION

In accordance with CEQA, Placer County (County) has prepared an initial study/mitigated negative declaration (IS/MND) that identifies adverse environmental impacts related to construction and operation of the Sewer Maintenance District 1 (SMD 1) Wastewater Treatment Plant (WWTP) Upgrade and Expansion Project (Proposed Project). The IS/MND also identifies mitigation measures that would reduce or eliminate these significant impacts, as well as mitigation measures that would be implemented to reduce impacts to a less-than-significant level.

Section 21081.6 of the California Public Resources Code, and Sections 15091(d) and 15097 of the State CEQA Guidelines, require public agencies "to adopt a reporting and monitoring program for changes to the project which it has adopted or made a condition of project approval in order to mitigate or avoid significant effects on the environment." A mitigation monitoring and reporting program (MMRP) is required for the Proposed Project because the IS/MND identifies potentially significant adverse impacts related to construction and implementation activities, and mitigation measures have been identified to mitigate those impacts.

The County is the Lead Agency that must adopt the MMRP for the Proposed Project. Adoption of this MMRP would occur along with approval of the Proposed Project.

PURPOSE OF MITIGATION MONITORING AND REPORTING PROGRAM

This MMRP has been prepared to ensure that all required mitigation measures are implemented and completed according to schedule and maintained in a satisfactory manner during the construction and operation of the project. The MMRP may be modified by County during project implementation, as necessary, in response to changing conditions or other refinements. Table 1 has been prepared to assist the responsible parties in implementing the MMRP. The table identifies individual mitigation measures, monitoring/mitigation timing, the person and/or agency responsible for implementing the measure, and space to confirm implementation of the mitigation measures. The numbering of mitigation measures follows the numbering sequence found in the IS/MND.

ROLES AND RESPONSIBILITIES

Unless otherwise specified herein, the County is responsible for taking all actions necessary to implement the mitigation measures according to the specifications provided for each measure and for demonstrating that the action has been successfully completed. The County, at its discretion, may delegate implementation responsibility or portions thereof to a licensed contractor or other designated agent as long as County maintains final responsibility for ensuring that the actions are taken.

The County would be responsible for overall administration of the MMRP and for verifying that County staff members and/or the construction contractor have completed the necessary actions for each measure. The County would designate a project manager to oversee the MMRP. The project manager would be charged with the following duties:

- ensure that routine inspections of the construction site are conducted by appropriate County staff; check plans, reports, and other documents required by the MMRP; and conduct report activities;
- serve as a liaison between the County and other responsible agencies (where necessary), and the construction manager regarding mitigation monitoring issues;
- ▶ complete forms and maintain reports and other records and documents generated by the MMRP; and

• coordinate and ensure that corrective actions or enforcement measures are taken, if necessary.

The responsible party for implementation of each item would identify the staff members responsible for coordinating with the County on the MMRP.

ANNUAL REPORTING

The project manager for the County shall prepare monitoring reports annually and on completion of the project that describe the compliance of the activity with the required mitigation measures. Information regarding inspections and other requirements shall be compiled and explained in each report. The report shall be designed to simply and clearly describe whether mitigation measures have been adequately implemented. At a minimum, each report shall identify the mitigation measures or conditions to be monitored for implementation, whether compliance with the mitigation measures or conditions has occurred, the procedures used to assess compliance, and whether further action is required. The monitoring report shall be presented to the County for review and decisions regarding any required action or determination.

MITIGATION MONITORING PLAN

The annual report will verify the implementation of mitigation measures. Table 1 should guide the County in its evaluation and should be the basis for annual reporting.

The column categories identified in Table 1 are described below:

- ▶ **Mitigation Number**—This column lists the mitigation measures according to the number in the IS/MND.
- ▶ **Mitigation Measure**—This column provides the text of the mitigation measures identified in the IS/MND.
- ► **Timing/Schedule**—This column lists the time frame in which the mitigation will take place.
- ► **Implementation Responsibility**—This column identifies the entity responsible for complying with the requirements of the mitigation measure.
- ▶ **Verification**—These columns are for verifying compliance. The "Action" column describes the type of action taken to verify implementation. The "Date Completed" column is to be dated and initialed by the project manager or his/her designee, based on the documentation provided by the construction contractors, its agents (qualified individuals), or through personal verification by the County.

Table 1 Summary of Mitigation Measures, Res	ponsible Parties, and 1	Гiming			
NAI-Lime Line	Timing/Schedule	Implementation	Implementation	Ve	rification
Mitigation	Timing/Schedule	Responsibility	Action	Date Completed	
Aesthetics					
AES-1: Include Landscaping in the WWTP Design Plans that is Adequate to Screen Views of New Facilities from Nearby Residences.					
Design plans for the site will include a landscaping plan that will adequately screen views of new facilities, including heightened structures, from nearby residences. Should solar panels be located in an area that increases daytime glare experienced by adjacent residences, particular attention shall be given to ensuring adequate screening of adjacent residences from solar panels to limit daytime glare to the greatest extent possible. Landscaping can include establishing vegetated berms and planting trees, shrubs, and ground cover. Effective visual screening with landscaping also can include planting of vegetation that will grow to cover perimeter fences.	Before completion of construction	Placer County			
Mitigation will be considered successful when the County implements a landscaping plan that is adequate to visually screen views of the new WWTP facilities from nearby residences. All landscaping will be maintained by the County, and plants that fail to thrive will be replaced.	Ongoing after construction	Placer County			
AES-2: Practice Best Management Practices when Installing New or Upgraded Lighting.					
Design plans for the site will include all reasonably available best management practices (BMPs), and these BMPs available will be implemented to ensure minimal adverse impacts to nighttime views for adjacent residents. BMPs may include, but are not limited to:	Before and during construction	Placer County			
► Identifying where, and when, lighting is needed and confining and minimizing lighting to the extent necessary to meet safety purposes;					
► Choosing light fixtures that direct light downward;					
➤ Select compact fluorescent (2300K) or High Pressure Sodium as light sources (bulb types), unless the light is motion sensor activated, in which case incandescent or the instant start compact fluorescent bulbs may be used;					
▶ Utilizing "shut off" controls such as sensors, timers, and motion detectors, etc.;					
► Limiting the height of fixtures, the amount of light crossing property lines, and overall light levels where possible.					

	Table 1 Summary of Mitigation Measures, Responsible Parties, and Timing Verification						
	Balat makin	Timin of Cala a duda	Implementation _ Responsibility	Implementation	Ve	rification	
	Mitigation	Timing/Schedule		Action	Date Completed		
Aiı	r Quality						
	Q-1: Reduce Temporary Construction Emissions of ROG, NO_X , and PM_{10} ust).						
	accordance with PCAPCD Rule 228, the County will implement the following commended mitigation measures during construction of the proposed project.						
1.	Prepare and submit a construction emission/dust control plan to PCAPCD for approval before groundbreaking. This plan will address the minimum administrative requirements found in Sections 300 and 400 of District Rule 228, (Placer County 2010).	Before construction	Placer County				
2.	Ensure that fugitive dust on-site will not exceed 40% opacity and not go beyond the boundary of the project site at any time. If lime or other drying agents are utilized to dry out wet grading areas, they will be controlled so as to not exceed Rule 228 limitations.	During construction	Placer County				
3.	Ensure that construction equipment exhaust emissions will not exceed Rule 202 limitations. Operators of vehicles and equipment that exceed opacity limits will be immediately notified and the equipment shall be repaired within 72 hours.	During construction	Placer County				
4.	Prohibit open burning of vegetation removed during infrastructure improvements.	During construction	Placer County				
5.	Enforce a 5-minute maximum idling time for all diesel-power equipment.	During construction	Placer County				
6.	Require the construction contractor to use ARB-recommended low sulfur diesel fuel for all diesel–powered equipment.	During construction	Placer County				
7.	Ensure that water is applied to control dust as needed to prevent dust impacts off-site. Operational water truck(s) shall be on-site, as required, to control fugitive dust. Construction vehicles leaving the site shall be cleaned to prevent dust, silt, mud, and dirt from being released or tracked off-site.	During construction	Placer County				
8.	Require that effective soil cover (e.g. mulch, approved chemical soil stabilizers, vegetative mats, or other appropriate material) be applied to all inactive construction areas (previously disturbed areas which remain inactive for 14 days), following best management practices to manufacturer's specifications.	During construction	Placer County				

Table 1 Summary of Mitigation Measures, Res	ponsible Parties, and	Гiming			
Mitigation	Timing/Schedule	Implementation		Ve	rification
Mitigation	riming/schedule	Responsibility	Action	Date Completed	
9. Require the construction contractor to implement effective wind erosion control measures (e.g. applying water and/or other dust palliatives) as necessary to prevent or alleviate erosion by the forces of wind on unpaved roads and employee/equipment parking areas. Sediment and other construction related materials shall be removed from paved roadways by vacuuming or sweeping.	During construction	Placer County			
10. Use existing power sources (e.g., power poles) or use clean fuel where feasible or low-sulfur fuel in diesel-powered generators.	During construction	Placer County			
AQ-2: Survey Project Area for Naturally Occurring Asbestos and Implement Asbestos Air Toxic Control Measures as required by PCAPCD and ARB.					
If Naturally Occurring Asbestos (NOA) is found at the site during any ground disturbing activities, the County will report any discovery of NOA, serpentine, or ultramafic rock to the PCAPCD Air Pollution Control Officer no later than the next business day, and will comply as required by PCAPCD with all requirements outlined in the ARB Asbestos Air Toxic Control Measures for Construction, Grading, Quarrying, and Surface Mining Operations to reduce potential impacts from exposure to NOA to a less-than-significant level. These requirements include (1) an asbestos dust mitigation plan that must be approved by PCAPCD before construction restarts, and must be implemented at the beginning and maintained throughout the duration of construction and grading activities; and (2) an asbestos health and safety program (if required under 8 CCR Section 1529[4]).	During construction	Placer County			
In accordance with 17 CCR Sections 93105(e)(2) and 93105(e)(4), the asbestos dust mitigation plan prepared by the County will specify dust mitigation practices that are sufficient to ensure no equipment or operation emits dust that is visible crossing property lines. The plan will also include track-out prevention and control measures, control measures for disturbed surface areas, and storage piles that will remain inactive for more than 7 days, postconstruction stabilization, and asbestos monitoring, if required. Examples of control measures may include but will not be limited to surface wetting, surface covering, surface crusting, application of chemical dust suppressants or stabilizers, installation of wind barriers, construction area speed limits, truck spillage controls, and establishment of vegetative covers. In addition, the County's asbestos dust mitigation plan will include recordkeeping and reporting requirements that document the results of any air monitoring, geologic evaluation, and asbestos bulk sampling.	During construction	Placer County			

Table 1 Summary of Mitigation Measures, Res	ponsible Parties, and	Timing		
Mitigation	Timein a/C ah a dula	Implementation	Ve	rification
Mitigation	Timing/Schedule	Responsibility	Action	Date Completed
The County will implement the asbestos health and safety program if permissible exposure limits for airborne asbestos are found to be exceeded within the project site. Implementation will include applicable construction worker protection measures as defined under 8 CCR Section 1529(g), and any additional measures required under the California Occupational Safety and Health Administration, to reduce exposure of construction workers to airborne asbestos.	During construction	Placer County		
AQ-3: Implement All Feasible Odor Control Measures on Any New or Upgraded Odor-Producing Treatment Plant Elements.				
The County will implement the following mitigation measures:				
Ensure that appropriate engineering controls have been incorporated into the design of the proposed project to minimize the production of unpleasant odors. Engineering controls to diminish odors may include, but will not be limited to, covering headworks, use of chemical additives to remove unpleasant odors, and installing systems to remove odiferous air (e.g., odor scrubbers).	Before construction	Placer County		
To the extent feasible, locate potential sources of odors as far from sensitive receptors as possible or provide systems to collect and treat the odiferous air.	Before construction	Placer County		
After project improvements are completed, operate the controls designed to suppress odors and periodically evaluate adjacent odor levels. If offensive odors are found to be present, take appropriate actions to mitigate them to the extent practical.	Ongoing after construction	Placer County		
► If possible, conduct all cleaning or other activities that may produce major odors under meteorological conditions that are effective in mitigating odors. Meteorological parameters to consider include wind speed and direction, and air temperature.	Ongoing after construction	Placer County		
► Notify nearby receptors before any of these potentially major odiferous activities are conducted.	Ongoing after construction	Placer County		

Table 1 Summary of Mitigation Measures, Responsible Parties, and Timing							
Mitigation	Time in a /C also adv. la	Implementation	Ve	erification			
Milligation	Timing/Schedule	Responsibility	Action	Date Completed			
Biological Resources							
Bio-1: Conduct Construction and Tree and Shrub Trimming and Removal Activities during the Nonbreeding Season for Special Status Birds and Raptors, or Retain a Qualified Biologist to Conduct a Nesting Bird Survey Before Commencing Construction or Tree and Shrub Removal Activities.							
If feasible, the County will begin construction and conduct any tree and shrub trimming and removal activities during the non-breeding season (generally between August 16 and February 28) to avoid disturbing any active special-status species or raptor nests.	August 16 – February 28	Placer County					
If construction or tree and shrub trimming and removal activities are initiated during the nesting season (generally between March 1 and August 15), a preconstruction survey to determine if there are active migratory bird or raptor nests located within 500 feet of the project site will be conducted by a qualified biologist retained by the County. This survey will be conducted no more than 14 days prior to the start of construction or tree and shrub trimming and removal activities. If the biologist determines that the area surveyed does not contain any active nests, then construction and trimming and removal activities can commence without any further mitigation.	Between March 1 and August 15.	Placer County					
If an active migratory bird or raptor nest is discovered during the nesting survey, a no- disturbance buffer will be established around the active nest to avoid disturbance or destruction of the nest. The size of the no disturbance buffer around the active nest will be determined by the biologist in coordination with DFG and will depend on the level of noise or construction activity, the level of ambient noise in the vicinity of the nest, and line-of-sight between the nest and disturbance. The no-disturbance buffer will remain in place until after the nesting season (March 1 through August 15) or until the qualified biologist retained by the County determines that the young have fledged from the nest.	Before construction or tree and shrub trimming and removal activities/during construction	Placer County					

Table 1 Summary of Mitigation Measures, Responsible Parties, and Timing							
Mitigation	Timing/Schedule	Implementation	Ve	erification			
Mitigation	riming/schedule	Responsibility	Action	Date Completed			
Bio-2: Avoid, Minimize, and Mitigate Potentially Significant Impacts to Riparian Forest.							
If the riparian forest can be avoided during project construction, a qualified botanist will clearly mark the habitat boundary in the field and the construction contractor shall erect temporary construction fencing outside the boundary to keep construction activities out of the area. Before ground disturbance, all on-site construction personnel shall be instructed about the presence of this habitat and the importance of avoiding the disturbance of this habitat. During construction, the qualified botanist shall periodically monitor construction crews to ensure that the riparian forest area is avoided.	Before ground disturbance/ during construction	Placer County					
If complete avoidance is not feasible and construction work requires encroachment into the riparian forest area, the County will develop a riparian habitat mitigation plan that will replace, restore, or enhance the ecological values of all riparian habitat that may be removed and/or degraded with project implementation at a minimum 1:1 ratio and achieve no net loss of riparian habitat functions and values. Compensation may be provided through the purchase of mitigation credits at approved mitigation banks, or through on-site and/or off-site preservation/restoration.	Before construction	Placer County					
Bio-3: Ensure Construction of the Project Results in No Net Loss of Waters of the United States or State.							
To mitigate impacts related to construction and removal of outfalls and/or other existing pipes, installation of stream monitoring equipment, and construction of a new fence in waters (i.e., Dry Creek, Rock Creek) and wetlands (i.e., freshwater marsh) in the project area, the County will undertake the following measures where feasible:							

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Table 1 Summary of Mitigation Measures, Responsible Parties, and Timing							
Mitigation	Timing/Schedule	Implementation	Ve	erification			
Mitigation	Tilling/Scriedule	Responsibility	Action	Date Completed			
▶ The County shall require construction contractors to conduct in-channel construction during the low-flow period, limit disturbance to the minimum extent practicable, implement Mitigation Measure HYD-2, "Prepare and Implement a Storm Water Pollution Prevention Plan and Implement Best Management Practices," and stabilize all portions of the channel that are disturbed to prevent future scour or erosion. In addition, if required by the USACE and Central Valley RWQCB, the County will replace, restore, or enhance the ecological values of all wetlands and other waters of the United States and waters of the State that would be removed and/or degraded with project implementation (i.e., Dry Creek, Rock Creek, and adjacent freshwater marsh) at a minimum 1:1 ratio and on a "no net loss" basis. Compensation may be provided through the purchase of mitigation credits at approved mitigation banks, or through on-site and/or off-site preservation/restoration. The County shall also consult with DFG to determine if a streambed alteration agreement is required for the proposed project. The County shall comply with the requirements of the streambed alteration agreement, including implementing a habitat mitigation plan, if so required by DFG as a component of the streambed alteration agreement.	Before construction/ During construction	Placer County					
Bio-4: Submit Discretionary Project Permit Application to Placer County and Comply with Permit Conditions.							
The proposed project will be subject to the provisions of the Tree Preservation Ordinance because the issuance of a Minor Use Permit is considered a discretionary action. Compliance includes the preparation of a justification statement that establishes how any remaining protected trees in the vicinity of the project site will be protected. The justification statement shall state that any construction or use within the protected zone of a protected tree shall be done with approved preservation methods. A site plan map and the locations of protected trees within 50 feet of any development activity shall be developed, including the location of the base and dripline for all protected trees, the tree number, and the location of the protected zone of a protected tree. An arborists report shall also be prepared by an individual certified as an arborist by the International Society of Arboriculture or a registered professional forester. This report shall contain specific information on the location, condition, potential impacts of development, recommended actions, and mitigation measures for trees on the project site. A survey showing the locations of the protected trees shall be conducted by a California professional engineer or California professional land surveyor.	Before construction	Placer County					

Table 1 Summary of Mitigation Measures, Responsible Parties, and Timing Verification							
Mitigation	f Mitigation Measures, Responsible Parties, and Timing Timing/Schedule Responsibility	Verification					
Mitigation	riming/schedule	Responsibility	Action	Date Completed			
The County shall replace the trees in kind, implement a vegetation plan or, if the project site is not capable of supporting all of the replacement trees, pay for replacement trees at the current market value, including cost of installation. The current market value shall be established by a certified arborist, a registered forester, or a registered landscape architect, with the funds to go into a tree preservation fund.	After construction	Placer County					
Cultural Resources							
CR-1: Implement a Plan to Address the Inadvertent Discovery of Buried Cultural Resources. The County's Construction Contractor will implement this Plan during Project Construction.							
The County shall require that before the start of grading or excavation activities, construction personnel involved with earthmoving activities shall be informed of the possibility of encountering cultural resources, the appearance and types of cultural resources likely to be seen during construction activities, and proper notification procedures should any be encountered. This construction worker training shall be prepared and presented by a qualified archaeologist.	Before grading or excavation activities	Placer County					
If buried cultural resources such as chipped or ground stone, midden deposits, historic debris, building foundations, human bones, or paleontological resources are inadvertently discovered during ground-disturbing activities, the construction personnel shall stop all work in the area and within 100 feet of the find until a qualified archaeologist or paleontologist, approved by the County, assesses the significance of the find and, if necessary, develops appropriate treatment measures in consultation with the County.	During construction	Placer County					

Table 1 Summary of Mitigation Measures, Res	ponsible Parties, and	Timing			
Mitigation	Timing/Schedule	Implementation Responsibility	Implementation	Ve	rification
Mitigation	riming/scriedule		Action	Date Completed	
CR-2: Implement a Plan to Address the Discovery of Human Remains and Adhere to State Procedures for the Inadvertent Discovery of Human Remains during Project Construction.					
The County will require its construction contractor to adhere to state procedures for the inadvertent discovery of human remains during project construction. In accordance with the California Health and Safety Code, if human remains are uncovered during ground-disturbing activities, the construction contractor shall immediately halt potentially damaging ground-disturbing activity in the area of the remains and within 100 feet of the find and notify the Placer County Coroner, the SMD 1 WWTP representative, the State Water Resources Control Board Division of Financial Assistance (SWRCB) lead, and a professional archaeologist specializing in human osteology who is approved by the SWRCB to determine the nature of the remains.	During construction	Placer County			
The coroner shall examine all discoveries of human remains within 48 hours of receiving notice of a discovery on private or state lands (Section 7050.5[b] of the Health and Safety Code). If the coroner determines that the remains are those of Native American origin, he or she shall contact the Native American Heritage Commission by telephone within 24 hours of making that determination (Section 7050[c] of the Health and Safety Code). Following the coroner's findings, the County, the SWRCB, the construction contractor, the archaeologist, and the Native American Heritage Commission—designated Most Likely Descendant (MLD) shall determine the ultimate treatment and disposition of the remains and take appropriate steps to ensure that additional human interments are not disturbed. The responsibilities for acting on notification of a discovery of Native American human remains are identified in Section 5097.9 of the California Public Resources Code.	During construction	Placer County and County Coroner			
The County and the SWRCB shall ensure that the area of the discovery and the immediate vicinity in a radius of 100 feet of the find (according to generally accepted cultural or archaeological standards and practices) is cordoned off and not damaged or disturbed by further ground-disturbing activity (including pedestrian traffic) until consultation with the MLD has taken place. The MLD shall have 48 hours to complete a site inspection and make recommendations after being granted access to the site. A range of possible treatments for the remains, including nondestructive removal and analysis, preservation in place, relinquishment of the remains and associated items to the descendents, or other culturally appropriate treatment may be discussed. The concerned parties may extend discussions beyond the initial 48 hours to allow for the discovery of additional remains.	During construction	Placer County and SWRCB			

Table 1 Summary of Mitigation Measures, Responsible Parties, and Timing				
Mitigation	Timing/Schedule	Implementation Responsibility	Verification	
	Tilling/Scriedule		Action	Date Completed
Hydrology and Water Quality				
HYD-1: Prepare and Implement a Storm Water Pollution Prevention Plan and Implement Best Management Practices.				
The County will file a Permit Registration Document to obtain coverage from the SWRCB under the NPDES Stormwater General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities (Order No. 2009-0009-DWQ/NPDES Permit No. CAS000002). As required by this General Permit, the County will have a SWPPP prepared and implement the specified erosion control and pollution prevention BMPs that will be used to avoid and minimize potential adverse construction-related water quality impacts. The SWPPP will identify the BMPs that must be incorporated during construction and will describe BMP inspection and monitoring activities. All water quality, erosion, and sediment control measures included in the SWPPP will be implemented in accordance with the SWPPP. The SWPPP will identify the responsibilities of all parties, contingency measures, agency contacts, and training requirements and documentation for those personnel responsible for installation, inspection, maintenance, and repair of BMPs. Key categories of BMPs that will be described in the SWPPP, to the degree appropriate for this project, include Pollution Prevention, Erosion Control, Good Housekeeping Measures, and BMP Inspection and Monitoring. Compliance with the SWPPP will be required in the contract specifications.	Before construction/ during construction	Placer County		
Specifically, the standard construction-related BMPs and practices required to be considered for inclusion in the SWPPP and implemented during and after construction include the following:				
► Good Site Management BMPs: Identify all construction sites and staging activities, work schedules, temporary storage and borrow areas, construction materials handling and disposal, dewatering and treatment and disposal of groundwater removed from excavations, discharge locations and methods, and final stabilization and clean-up measures.	Before construction/ during construction	Placer County		

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Table 1 Summary of Mitigation Measures, Responsible Parties, and Timing					
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Mitigation	Timing/Schedule		Action	Date Completed	
► Erosion and Sediment Control BMPs: Identify BMPs designed to stabilize exposed soils, minimize off-site sediment runoff, remove sediment from on-site runoff before it leaves the site, slow down runoff rates across construction sites; and identify post construction soil stabilization BMPs. Identify and implement appropriate temporary and long-term seeding, mulching, and other erosion control measures as necessary to minimize erosion.	Before construction/ during construction	Placer County			
► Good Housekeeping Measures: Identify BMPs designed to reduce exposure of construction sites and materials storage to stormwater runoff, including tracking control facilities; equipment washing; litter and construction debris; designated refueling and equipment inspection/maintenance practices; and spill control and response measures for hazardous materials.	Before construction/ during construction	Placer County			
► Non-Storm Water Management Measures: Implement measures to control all non-storm water discharges during construction.	During construction	Placer County			
► Run-on and Run-off Control Management: Effectively manage all run-on and run-off from the site.	During construction	Placer County			
▶ BMP Inspection Monitoring, Maintenance and Repair: In the SWPPP, provide clear objectives in the SWPPP for evaluating environmental compliance. Identify inspection and monitoring protocols, Qualified SWPPP Practitioner (QSP) responsible for SWPPP implementation, requirements for environmental awareness training, requirements for preparation of Rain Event Action Plans, contractor and agency roles and responsibilities, reporting procedures, and communication protocols.	During construction	Placer County			
Noise					
NOI-1: Maintain and Equip Project Construction Equipment with Noise Control Devices.					
The County will ensure that project construction equipment is properly maintained and equipped with all feasible noise control devices, such as mufflers, in accordance with manufacturers' specifications.	During construction	Placer County			

Table 1 Summary of Mitigation Measures, Responsible Parties, and Timing					
Mitigation	Mitigation Timing/Schedule Implementation Responsibility	Implementation	Ve	rification	
Mitigation		Action	Date Completed		
NOI-2: Limit Project Construction to County-Exempted Hours; Notify Neighbors Otherwise.					
Construction activities shall be limited to the hours of 6 a.m. to 8 p.m., Monday through Friday, and 8 a.m. to 8 p.m., Saturdays and Sundays, the times such noise levels are exempted by Placer County standards. When construction activities require hours extending beyond those limited by Placer County the contractor shall give area residents within 750 feet of activities 48-hours notice of activities.	During construction	Placer County			
NOI-3: Manage Construction Equipment Movement on the Project Site to Minimize Disturbance to Occupied Residences and Limit Idling Times.					
Moving construction equipment around the project site shall be managed to minimize noise disturbance to occupied residences. Equipment not in use shall not be left idling for more than 5 minutes. The construction staging area(s) shall be located as far from nearby residences as feasible.	During construction	Placer County			
NOI-4: Designate a Disturbance Coordinator to Receive All Public Complaints.					
The County will designate a disturbance coordinator, such as an employee of the general contractor or the project manager for the County, post the coordinator's contact telephone number conspicuously around the project site, and provide the number to nearby sensitive receptors. The disturbance coordinator shall receive all public complaints, be responsible for determining the cause of the complaint, and implement any feasible measures to alleviate the problem.	During construction	Placer County			
NOI-5: Orient Structures and Provide Enclosures or Barriers to Reduce Noise from Mechanical Equipment and Electrical Generators.					
The County will require the facility to be designed in accordance with the Placer County Noise Ordinance:					
▶ Mechanical equipment and generators that could produce noise levels exceeding 45 dBA L _{eq} [h] at adjacent residential property lines will be located within an enclosure or behind a barrier, or an intervening structure will be placed between the source and receiver to ensure a minimum attenuation of 20 dBA to meet the requirements of the Placer County Noise Ordinance.	During construction	Placer County			

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Table 1 Summary of Mitigation Measures, Responsible Parties, and Timing					
Mitigation	Timing/Schedule	Implementation Responsibility	Verification		
			Action	Date Completed	
NOI-6: Prohibit Operation of Large Bulldozers (Non Rubber-Tired Dozers) and Trucks within 43 feet of Habitable Structures.					
The County will prohibit operation of large bulldozers (non rubber-tired dozers) and trucks within 43 feet (the nearest distance that vibration could disturb area residents) of the nearest habitable structure to the project site at all times.	During construction	Placer County			
Transportation/Traffic					
Trans-1: Prepare and implement a traffic control plan.					
The project proponent shall prepare or shall require the construction contractor to prepare a traffic control plan for review and approval by the Placer County Department of Public Works prior to any construction in County public road right-of-way. The traffic control plan shall be submitted to the Placer County Department of Public Works no less than 45 days prior to construction in the County public road right-of-way. The traffic control plan shall be prepared in accordance with professional traffic engineering standards and in compliance with the requirements of Placer County's encroachment permit requirements. The traffic control plan shall require that at least one lane will remain open during construction and that there will be no road closure. The traffic control plan may include, but not be limited to, the following measures: ▶ Identify specific construction methods to maintain traffic flows on affected streets. ▶ Maintain the maximum amount of travel lane capacity during nonconstruction periods and provide flagger control at sensitive sites to manage traffic control and flows. ▶ Limit the construction work zones to widths that, at a minimum, shall maintain alternate one-way traffic flow past the construction zones. ▶ Post advanced warning of construction activities to allow motorists to select alternative routes in advance. ▶ Prepare appropriate warning signage and lighting for construction zones. ▶ Maintain steel trench plates at construction sites to restore access across open trenches to minimize disruption of access to driveway and adjacent land uses. Construction trenches in the street shall not be left open after work hours.	Before construction/during construction	Placer County			

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