

Mitigation Monitoring and Reporting Program

Activation of Latent Sewer Collection Service Authority Project

SCH No. 2022010468

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SECTION 1.0 MITIGATION MONITORING AND REPORTING PROGRAM

Section 21081.6 of the California Environmental Quality Act (CEQA) and Section 15097 of the State CEQA Guidelines state that, when adopting an Initial Study/Mitigated Negative Declaration (IS/MND), the Lead Agency shall also adopt a program for reporting on or monitoring the changes that it has either required in the project or made a condition of approval to reduce or avoid significant environmental effects. Monte Vista Water District (MVWD), as Lead Agency for its Activation of Latent Sewer Collection Service Authority Project (Project), would adopt this Mitigation Monitoring and Reporting Program (MMRP), or an equally effective program, if it approves the proposed Project.

The Draft IS/MND for the environmental analysis of the Activation of Latent Sewer Collection Service Authority Project (Project) was tiered from the *IEUA Facilities Master Plans Final Program Environmental Impact Report* (IEUA PEIR) (State Clearinghouse [SCH] No. 2016061064), which was certified by the IEUA Board of Directors in March 2017. The IS/MND provides project-level review of the steps to activate MVWD's latent authority to provide sewer collection service and provides program-level review of MVWD's potential eventual provision of such service within the defined service area. Any mitigation measures (MMs) from the IEUA PEIR applicable to MVWD's Project are carried forward and applied in the IS/MND.

If MVWD receives approval to activate its authority to provide sewer collection services in the Service Area, additional planning and environmental review would be required before construction of sewer collection infrastructure could occur. Any such future CEQA documents may tier from the Project IS/MND, carrying forward applicable MMs, implementing additional MMs, or revising the MMs in this MMRP. Any future revisions to these MMs would be consistent with Section 15074.1 of the State CEQA Guidelines. Specifically, MVWD, as the Lead Agency, may substitute other measures only if they are "equivalent or more effective" than the adopted measure(s). "Equivalent or more effective" means that the new measure will avoid or reduce the significant effect to at least the same degree as, or to a greater degree than, the original measure and will create no more adverse effect of its own than would have the original measure.

This MMRP describes the mitigation program to be implemented by MVWD during construction and operation of the Project. These specific reporting and/or monitoring requirements, that will be enforced during Project implementation, shall be adopted simultaneously with final Project approval by the decision-making body for the MVWD, the MVWD Board of Directors. The MMs in this MMRP have been revised herein with respect to: (1) identifying MVWD as the agency with responsibility to carry out, or ensure the carrying out, of the applicable MMs; (2) revisions to reflect application to proposed local sewer collection facilities (not IEUA facilities); and (3) revisions to better match MVWD's standard operating procedures. All revisions result in mitigation measures that are equivalent or more effective than the measures adopted as part of the IEUA PEIR.

The MMRP for the Project, presented in Table 1, consists of MMs that are required to reduce or avoid significant environmental effects identified in the IS/MND. The MMs for the Project are listed in the first column, the timing of each MM's implementation is in the second column, the agency or party responsible for implementing the mitigation is in the third column, and the agency or party with primary responsibility for monitoring and enforcing compliance is in the fourth column. MVWD will confirm that all applicable MMs are included in the Contractor Specifications and bid documents for the Project, as appropriate, and verified as part of MMRP implementation for individual future projects, consistent with Section 15097 of the State CEQA Guidelines.

**TABLE 1
MITIGATION MONITORING AND REPORTING PROGRAM**

Mitigation Measure	Mitigation Timing	Responsible Agency/Party	Monitoring Agency/Party
Agriculture and Forestry Resources			
MM AG-1: Where an ancillary local sewer collection facility is proposed on land designated as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance, the improvement shall be relocated to urban land or non-important Farmland. Alternatively, if important farmland must be utilized for an ancillary facility, then MVWD shall conduct a California Land Evaluation and Assessment (LESA) Model. If the evaluation determines the loss of designated Farmland is significant, then it shall be offset by acquisition of agricultural land conservation credits at a minimum ratio of 1:1.	During preparation of planning documents and/or at time location of ancillary facility is determined	Project engineer, MVWD	MVWD
Air Quality			
MM AIR-1: The following measures shall be incorporated to minimize emissions of NOx and VOC associated with construction activities for the proposed local sewer collection facilities: <ul style="list-style-type: none"> Construction activities shall require the use of 2010 and newer diesel haul trucks (e.g., material delivery trucks and soil import/export) to the extent feasible. Under conditions where it is determined that 2010 model year or newer diesel trucks are not readily available or obtainable for a project, the implementing party shall be required to provide this evidence to MVWD and shall instead use trucks that meet USEPA 2007 model year NOx emissions requirements. Off-road diesel-powered construction equipment greater than 50 horsepower shall meet Tier 3 emissions standards at a minimum and Tier 4 where available. Under conditions where it is determined that equipment meeting Tier 4 emission standards are not readily available or obtainable for a project, the implementing party shall be required to provide this evidence to MVWD and shall instead use USEPA Tier 3 equipment.	During preparation of construction specifications, during all construction activities	Construction contractor, MVWD	MVWD
MM AIR-2: For each individual local sewer collection project, MVWD shall require by contract specifications that: <ul style="list-style-type: none"> Construction-related equipment, including heavy-duty equipment, motor vehicles, and portable equipment, shall be turned off when not in use to avoid excessive idling. Construction operations shall minimize use of diesel-powered generators and rely on the electricity infrastructure where feasible. Construction trucks shall be routed away from congested streets or sensitive receptor areas where feasible.	During preparation of construction specifications, during all construction activities	Construction contractor, MVWD	MVWD
MM AIR-3: Unpaved roads on the project site used for any vehicular travel are required to be watered by water trucks at least four times per eight hour workday or otherwise sufficient to reduce fugitive dust (PM10 and PM2.5) emissions consistent with Rule 403.	During preparation of construction specifications, during all construction activities	Construction contractor, MVWD	MVWD, SCAQMD

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Mitigation Measure	Mitigation Timing	Responsible Agency/Party	Monitoring Agency/Party
Cultural Resources & Tribal Cultural Resources			
<p>MM CUL-1: Prior to development of local sewer collection facilities involving ground disturbance, MVWD shall retain a qualified archaeologist, defined as an archaeologist meeting the Secretary of the Interior’s Standards for professional archaeology to conduct a study of the project area(s) for all project components that involve ground disturbance. The archaeologist shall conduct a cultural resources inventory designed to identify potentially significant resources. The cultural resources inventory would consist of: a cultural resources records search to be conducted at the South Central Coastal Information Center located at California State University Fullerton; consultation with the NAHC and with interested Native Americans identified by the NAHC; a field survey where deemed appropriate by the archaeologist; and recordation of all identified archaeological resources located on a project site on California Department of Parks and Recreation 523 Site Record forms. The archaeologist shall provide recommendations regarding resource significance and additional work for those resources that may be affected by a project.</p>	<p>During preparation of planning documents or prior to construction activity involving ground disturbance</p>	<p>Qualified archaeologist, MVWD</p>	<p>MVWD</p>
<p>MM CUL-2: Development involving ground disturbance and containing structures 50 years old or older shall be subject to a historic built environment survey, and potentially historic structures shall be evaluated for their potential historic significance, prior to MVWD’s approval of project plans. The survey shall be carried out by a qualified historian or architectural historian meeting the Secretary of the Interior’s Standards for Architectural History. If potentially significant resources are encountered during the survey, a treatment plan shall be prepared prior to demolition or substantial alteration of such resources identified.</p>	<p>During preparation of planning documents or prior to construction activity involving ground disturbance on property containing structures over 50 years old</p>	<p>Qualified historian or architectural historian, MVWD</p>	<p>MVWD</p>
<p>MM CUL-3: For project-level development of local sewer collection facilities involving ground disturbance, a qualified paleontologist shall be retained to determine the necessity of conducting a study of the local sewer collection project area(s) based on the potential sensitivity of the project site for paleontological resources. If deemed necessary, the paleontologist shall conduct a paleontological resources inventory designed to identify potentially significant resources. The paleontological resources inventory would consist of: a paleontological resource records search to be conducted at the San Bernardino County Museum and/or other appropriate facilities; a field survey or monitoring where deemed appropriate by the paleontologist; and recordation of all identified paleontological resources.</p>	<p>During preparation of planning documents or prior to construction activity involving ground disturbance</p>	<p>Qualified paleontologist, MVWD</p>	<p>MVWD</p>

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Geology and Soils			
<p>MM GEO-1: Prior to construction of each local sewer collection improvement, a design-level geotechnical investigation, including collection of site specific subsurface data if appropriate, shall be completed. The geotechnical evaluation shall identify all potential seismic hazards including fault rupture, and characterize the soil profiles, including liquefaction potential, expansive soil potential, subsidence, and landslide potential. The geotechnical investigation shall recommend site-specific design criteria to mitigate for seismic and non-seismic hazards, such as special foundations and structural setbacks, and these recommendations shall be incorporated into the design of individual local sewer collection projects.</p>	<p>During preparation of planning documents or prior to construction activity, and during construction activity</p>	<p>MVWD, Construction contractor</p>	<p>MVWD</p>
Hazards and Hazardous Materials			
<p>MM HAZ-1: to the initiation of any construction requiring ground-disturbing activities, MVWD shall complete a Phase I Environmental Site Assessments (ESA) for soil and groundwater contamination in the local sewer collection project areas. The recommendations set forth in the Phase I ESA shall be implemented to the satisfaction of applicable agencies before and during construction. If the Phase I ESA indicates the potential for hazardous concentrations of contamination within the construction zone, Phase II ESA studies shall be completed before construction begins. Phase II studies shall include soil and/or groundwater sampling and analysis for anticipated contaminants. The Phase II sampling is intended to identify how to dispose of any potentially harmful material from excavations, and to determine if construction workers need specialized personal protective equipment.</p>	<p>During preparation of planning documents or prior to construction activity involving ground disturbance</p>	<p>Environmental professional as defined in ASTM E1527-13, MVWD</p>	<p>MVWD, applicable regulatory agencies (e.g., SWRCB, DTSC, San Bernardino County Department of Public Health)</p>
<p>MM HAZ-2: If the Phase II ESA determines that the site of the proposed local sewer collection facility(ies) has contaminated soil and/or groundwater, a Soil and Groundwater Management Plan that specifies the method for handling and disposing of contaminated soil and groundwater prior to demolition, excavation, and construction activities shall be prepared and implemented. The plan shall include all necessary procedures to ensure that excavated materials and fluids generated during construction are stored, managed, and disposed of in a manner that is protective of human health and in accordance with applicable laws and regulations. The plan shall include the following information:</p> <ul style="list-style-type: none"> • Step-by-step procedures for evaluation, handling, stockpiling, storage, testing, and disposal of excavated material, including criteria for reuse and offsite disposal. All excavated materials shall be inspected prior to initial stockpiling, and spoils that are visibly stained and/or have a noticeable odor shall be stockpiled separately to minimize the amount of material that may require special handling. • Procedures to be implemented if unknown subsurface conditions or contamination are encountered, such as previously unreported tanks, wells, or contaminated soils. 	<p>Prior to any construction activity involving ground disturbance</p>	<p>Professional licensed to handle and dispose of hazardous wastes, construction contractor, MVWD</p>	<p>MVWD, applicable regulatory agencies</p>

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<ul style="list-style-type: none"> Detailed control measures for use and storage of hazardous materials to prevent the release of pollutants to the environment, and emergency procedures for the containment and cleanup of accidental releases of hazardous materials to minimize the impacts of any such release. These procedures shall also include reporting requirements in the event of a reportable spill or other emergency incident. At a minimum, the MVWD or its contractor shall notify applicable agencies in accordance with guidance from the California Office of Emergency Services as well as the San Bernardino County Department of Public Health, Division of Environmental Health Services. Procedures for containment, handling and disposal of groundwater generated from construction dewatering, the method used to analyze groundwater for hazardous materials likely to be encountered at specific locations and the appropriate treatment and/or disposal methods. 			
<p>MM HAZ-4: Prior to initiating construction of proposed local sewer collection facilities, MVWD shall prepare and implement a Traffic Control Plan that contains comprehensive strategies for maintaining emergency access. Strategies shall include, but are not limited to, maintaining steel trench plates at the construction sites to restore access across open trenches and identification of alternate routing around construction zones. In addition, police, fire, and other emergency service providers shall be notified of the timing, location, and duration of the construction activities and the location of detours and lane closures. MVWD shall ensure that the Traffic Control Plan and other construction activities are consistent with the San Bernardino County Operational Area Emergency Response Plan.</p>	<p>Prior to and during all construction activity in the public right-of-way</p>	<p>Construction contractor, MVWD</p>	<p>MVWD, San Bernardino County, City of Montclair, City of Chino</p>
Noise			
<p>MM NOISE-1: MVWD shall implement the following measures during construction:</p> <ul style="list-style-type: none"> Include design measures where feasible to reduce the construction noise levels if necessary to comply with local noise ordinances. These measures may include, but are not limited to, the erection of noise barriers/curtains, use of advanced or state-of-the-art mufflers on construction equipment, and/or reduction in the amount of equipment that would operate concurrently at the construction site. Place noise and groundborne vibration-generating construction activities whose specific location on a construction site may be flexible (e.g., operation of compressors and generators, cement mixing, general truck idling) as far as possible from the nearest noise- and vibration-sensitive land uses such as residences, schools, and hospitals. Minimize the effects of equipment with the greatest peak noise generation potential via shrouding or shielding to the extent feasible. Examples include the use of drills, pavement breakers, and jackhammers. 	<p>During all construction activity</p>	<p>Construction contractor, MVWD</p>	<p>MVWD</p>

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<ul style="list-style-type: none"> Locate stationary construction noise sources as far from adjacent noise-sensitive receptors as possible, and require that these noise sources be muffled and enclosed within temporary sheds, insulation barriers if necessary to comply with local noise ordinances. Provide noise shielding and muffling devices on construction equipment per the manufacturer's specifications. If construction is to occur near a school, the construction contractor shall coordinate with school administration in order to limit disturbance to the campus. Efforts to limit construction activities to non-school days shall be encouraged. For major construction projects, identify a liaison for surrounding residents and property owners to contact with concerns regarding construction noise and vibration. The liaison's telephone number(s) shall be prominently displayed at construction locations. <p>For major construction projects, notify in writing all landowners and occupants of properties adjacent to the construction area of the anticipated construction schedule at least two weeks prior to groundbreaking.</p>			
<p>MM NOISE-2: MVWD shall require that all local sewer collection facility-related aboveground facilities that include stationary noise generating equipment (such as emergency generators, blowers, pumps, motors, etc.) minimize their audible noise levels by locating equipment away from noise-sensitive receptor areas, installing proper acoustical shielding for the equipment, and incorporating the use of parapets into building design to meet the applicable city or county noise level requirements at neighboring property lines.</p>	<p>During design of local sewer collection facilities</p>	<p>Project engineer, MVWD</p>	<p>MVWD</p>
<p>MM NOISE-5: MVWD shall require the construction contractor(s) to implement the following measure:</p> <ul style="list-style-type: none"> Ensure that the operation of construction equipment that generates high levels of vibration including, but not limited to, large bulldozers, loaded trucks, pile-drivers, vibratory compactors, and drilling rigs, is minimized within 45 feet of existing residential structures and 35 feet of institutional structures (e.g., schools) during construction of the various local sewer collection projects. Use of small rubber-tired bulldozers shall be encouraged within these areas during grading operations to reduce vibration effects. 	<p>During all construction activity</p>	<p>Construction contractor, MVWD</p>	<p>MVWD</p>

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<p>MM NOISE-6: Where a local sewer collection project would be constructed adjacent to an existing or potential historic building, MVWD shall require by contract specifications that a certified structural engineer be retained to submit evidence that the operation of vibration-generating equipment associated with the construction activities would not result in any structural damage to the adjacent historic building. Contract specifications shall be included in the construction documents for the applicable local sewer collection development.</p>	<p>Prior to initiation of construction situated adjacent to an existing or potential (over 45 years old) building, during subsequent construction activity</p>	<p>Structural engineer, construction contractor, MVWD</p>	<p>MVWD</p>
Transportation			
<p>MM TT-1: For projects that may affect traffic flow along existing roadways, MVWD shall require that contractors prepare a construction traffic control plan. Elements of the plan should include, but are not necessarily limited to, the following:</p> <ul style="list-style-type: none"> • Develop circulation and detour plans if necessary to minimize impacts to local street circulation. Use haul routes minimizing truck traffic on local roadways to the extent possible. • To the extent feasible, and as needed to avoid adverse impacts on traffic flow, schedule truck trips outside of peak morning and evening commute hours. • Install traffic control devices as specified in the Work Area Traffic Control Handbook (WATCH) Manual where needed to maintain safe driving conditions. Use flaggers and/or signage to safely direct traffic through construction work zones. • For roadways requiring lane closures that would result in a single open lane, maintain alternate one-way traffic flow and utilize flagger-controls. <p>Coordinate with facility owners or administrators of sensitive land uses such as police and fire stations, hospitals, and schools. Provide advance notification to the facility owner or operator of the timing, location, and duration of construction activities.</p>	<p>Prior to and during all construction activity in the public right-of-way</p>	<p>Construction contractor, MVWD</p>	<p>MVWD, San Bernardino County, City of Montclair, City of Chino</p>
<p>ASTM: American Society for Testing and Materials; SCAQMD: South Coast Air Quality Management District; SWRCB: State Water Resources Control Board; DTSC: California Department of Toxic Substances Control</p>			