

MITIGATION MONITORING AND REPORTING PROGRAM

Griffith Park South Water Recycling Project Final Mitigated Negative Declaration (State Clearinghouse No. 2013101066)

Introduction

This Mitigation Monitoring and Reporting Program (MMRP) has been prepared pursuant to the California Environmental Quality Act (CEQA) and the State CEQA Guidelines to provide for monitoring of the mitigation measures required by certification of the Griffith Park South Water Recycling Project (proposed project) Final Mitigated Negative Declaration (MND). Section 21081.6 of the Public Resources Code and Section 15091(d) of the CEQA Guidelines require public agencies to “adopt a reporting or 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.” The lead agency must define specific reporting and/or monitoring requirements to be enforced during project implementation prior to final approval of the proposed project.

The Los Angeles Department of Water and Power (LADWP) is the lead agency for the proposed project and is responsible for administering and implementing the MMRP. The MMRP stipulates how all required mitigation measures are to be implemented and completed during the appropriate project phase. It also facilitates documentation necessary to verify that mitigation measures were in fact properly implemented.

Mitigation Monitoring and Reporting Program Procedures

Since the proposed mitigation measures apply to the construction of the project, the MMRP will be in effect, as applicable, during preconstruction activities and during the construction period. This MMRP gives LADWP the primary responsibility 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. LADWP’s designated environmental monitor will track and document compliance with mitigation measures, note any problems that may result, and take appropriate action to remedy problems. LADWP, at its discretion, may delegate responsibility for measure implementation and monitoring, or portions thereof, to other responsible individuals, such as a licensed contractor. Specific responsibilities for LADWP include:

- Coordination of all mitigation monitoring activities
- Management of the preparation, approval, and filing of monitoring or permit compliance reports
- Maintenance of records concerning the status of all approved mitigation measures
- Quality control assurance of field monitoring personnel
- Coordination with other agencies regarding compliance with mitigation or permit requirements
- Reviewing and recommending acceptance and certification of implementation documentation

- Acting as a contact for interested parties or surrounding property owners who wish to register complaints, observations of unsafe conditions, or environmental violations; verifying any such circumstances; and developing any necessary corrective actions

Resolution of Noncompliance Complaints

Any person or agency may file a complaint regarding noncompliance with the mitigation measures addressed in the MMRP. The complaint shall be directed to LADWP (111 North Hope Street, Room 1044, Los Angeles, CA 90012) in written form providing detailed information on the purported violation. LADWP will investigate any complaints filed to determine the validity of the complaint. If noncompliance with a mitigation measure is verified, LADWP will take the necessary action(s) to remedy the violation. The complainant will receive written confirmation indicating the results of the investigation or the final corrective action that was implemented in response to the specific noncompliance issue.

Mitigation Monitoring and Reporting Program Matrix

The MMRP is organized in a matrix format. The first column identifies the mitigation measure number. The second column identifies the mitigation measure. The third column, entitled "Time Frame for Implementation," refers to when monitoring will occur. The timing for implementing mitigation measures and the definition of the approval process has been provided to assist LADWP staff to plan for monitoring activities. The fourth column, entitled "Responsible Monitoring Agency," refers to the agency responsible for ensuring that the mitigation measure is implemented. The fifth column, entitled "Verification of Compliance," has subcolumns for initials, date, and remarks. This last column will be used by the lead agency to document the person who verified that the mitigation measure was satisfactorily implemented, the date on which this verification occurred, and any other notable remarks. The mitigation measures are presented by environmental issue area.

**Mitigation Monitoring and Reporting Program
State Clearinghouse No. 2013101066**

**Griffith Park South Recycling Project
Final Mitigated Negative Declaration**

Number	Mitigation Measure	Time Frame for Implementation	Responsible Monitoring Agency	Verification of Compliance		
				Initials	Date	Remarks
AIR QUALITY						
AQ-1	Construction areas in unpaved easements and staging areas shall be sprayed with water as necessary during construction to prevent excessive amounts of dust; preferably in the late morning and after work is done for the day	During construction	LADWP			
AQ-2	Construction vehicles shall be limited to 15 mph on unpaved roads and construction areas.	During construction	LADWP			
AQ-3	All dust generating activities (e.g., trenching and excavation) shall cease during periods of high winds (i.e., greater than 25 mph averaged over one hour) or during Stage 1 or Stage 2 dust episodes.	During construction	LADWP			
AQ-4	Construction vehicles shall limit and minimize idling time whenever possible.	During construction	LADWP			
BIOLOGY						
BIO-1	<p>Worker Environmental Awareness Program. Prior to construction, a Worker Environmental Awareness Program shall be implemented that shall include the following:</p> <ul style="list-style-type: none"> The Project proponent should provide Worker Environmental Awareness Program (WEAP) training to all personnel working on the site during Project construction with a qualified biologist. The training shall include a pre-construction meeting that would review all special-status plants, protected wildlife and protected trees within the Project site to promote their awareness and to review mitigation measures for avoiding impacts, and all responsible parties. 	Prior to construction	LADWP			

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BIO-2	<p>Habitat Revegetation. Project construction activities will occur primarily on developed access roads and previously disturbed areas, and will disturb approximately 0.59 acres of California walnut woodland, 1.29 acres of chaparral scrub, and 0.24 acres of coast live oak woodland. Because there are specific areas within the construction footprint that contain native plant communities, the following mitigation measure is recommended to reduce potential impacts from the removal of native habitat during construction activities:</p> <ul style="list-style-type: none"> • Prior to the clearing or removal of native habitat, the first six inches of soil shall be salvaged or stockpiled for reuse once construction activities are completed. Once construction is completed, areas within the project footprint that clear or remove native habitat and that are no longer required to be kept clear of vegetation shall be revegetated with salvaged soil and locally sourced material, as approved by the project biologist. The restored habitat areas will be monitored for one year subsequent to the cessation of project activities to ensure the reestablishment of native habitat. 	During construction	LADWP			
BIO-3	<p>Special-status Wildlife. Special-status wildlife species such as the coast horned lizard, coastal whiptail, the silvery legless lizard, hoary and silver-haired bats may occur within scrub and woodland habitat and within the trees. Therefore, the following mitigation measures are recommended:</p> <ul style="list-style-type: none"> • Construction activities shall be minimized to the greatest extent feasible in the construction area to minimize potential impacts to special status wildlife species 	Prior to ground disturbing activities; during construction	LADWP			

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	<p>including, reptiles and roosting bats.</p> <ul style="list-style-type: none"> • Prior to ground disturbing activities within scrub and woodland habitat, a qualified biologist shall conduct pre-construction clearance surveys. If any ground dwelling species are identified within proposed construction zones, they shall be captured and/or moved beyond the construction zone in neighboring scrub and woodland habitat. • Tree trimming activities shall be conducted during the non-breeding season for hoary and silver-haired bats (March – August). If tree trimming activities need to be conducted during bat breeding season, a qualified biologist shall conduct a bat survey of the affected trees. Tree trimming shall not be allowed if trees have active bat roosts. 					
BIO-4	<p>Special-Status Plants. Special-status plant species such as the Mesa horkelia may occur in openings within black walnut woodland. Additionally, Slender mariposa lily and Plummer's lily may occur along exposed ridgelines and clearings in undifferentiated chaparral scrub. There is a potential for Davidson's bush mallow to occur in clearings on mesic slopes and canyon bottoms. Therefore, the following mitigation measures are recommended:</p> <ul style="list-style-type: none"> • Every effort should be made to minimize vegetation removal and permanent loss at the Project construction site. In order to minimize disruption to special-status plant habitat, the construction contractor shall utilize existing parking lots and disturbed roadways for construction staging areas. • Prior to the implementation of Project construction activities, a qualified botanist 	Prior to and during construction	LADWP			

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	shall identify whether any mesa horkelia or other sensitive plant species are present within the proposed Project footprint. If any plant or suitable habitat for the plant is present, the biologist will assist in avoiding impacts to the greatest extent feasible, by staking and flagging areas to be avoided by construction activities.					
BIO-5	<p>Protected Trees. The presence of protected trees shall be considered during Project construction activities including the creation of staging areas, as well as trenching, staging areas and demolition. The following mitigation measures are recommended to avoid impacts to protected trees with the project area:</p> <ul style="list-style-type: none"> • A qualified arborist shall be present to identify and demarcate protected trees (and its protected zones [1 ½ feet times the diameter of the trunk at breast height]) within the entire Project site that have the potential to be impacted by construction activities and to assist in guiding construction activities to avoid or minimize impacts to protected trees. • Situate all project elements including trenching paths, on existing access routes or within the clearing outside of the protection zones of protected trees to prevent damage to protected trees. <p>If any impacts to city protected trees are unavoidable, then the qualified arborist shall assist in processing a permit application with the City of Los Angeles Urban Forestry Division. In such circumstances, a permit shall be obtained prior to performing any project activities that may impact a protected tree.</p>	During construction	LADWP			

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BIO-6	<p>Nesting Birds. A number of resident and seasonal bird species have the potential to nest on the Project site in trees and adjacent vegetation. The following mitigation measures are <u>required</u> to reduce potential impacts to nesting birds during construction activities:</p> <ul style="list-style-type: none"> • If construction is scheduled to occur during the non-nesting season (September through January 31), no preconstruction surveys or additional measures are recommended. If construction is scheduled to occur during the breeding season (February 1–August 31), a qualified wildlife biologist <u>shall</u> conduct preconstruction surveys of all potential nesting habitats within 500 feet of construction activities. At least one surveys should be conducted no more than 3 days prior to construction activities. • If active nests are found, no-disturbance buffers shall be implemented around each nest based on the species and location of the nest as determined by a qualified biologist. A general buffer distance generally includes 500-feet around any confirmed active raptor nest and a 250-foot buffer around nests of passerine bird species protected in accordance with the MBTA and/or Fish and Game Code. The buffers should be implemented until it is determined by a qualified wildlife biologist that young have fledged and the nest is determined to be inactive. 	During construction	LADWP			
CULTURAL RESOURCES						
CUL-1	Pre-Construction Training. Prior to earthmoving activities, a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for	Prior to earthmoving activities	LADWP			

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	archaeology (U.S. Department of the Interior, 2008) shall conduct cultural resources sensitivity training for all construction personnel. Construction personnel shall be informed of the types of cultural resources that may be encountered, and of the proper procedures to be enacted in the event of an inadvertent discovery of archaeological resources or human remains (see CUL-6). LADWP shall ensure that construction personnel are made available for and attend the training and shall retain documentation demonstrating attendance.					
CUL-2	<p>Inadvertent Discoveries. In the event of the discovery of archaeological materials, the construction foreman shall immediately halt all work activities in the vicinity (within approximately 100 feet) of the discovery until it can be evaluated by a qualified archaeologist. Prehistoric archaeological materials might include obsidian and chert flaked-stone tools (e.g., projectile points, knives, scrapers) or tool-making debris; culturally darkened soil (“midden”) containing heat-affected rocks, artifacts, or shellfish remains; and stone milling equipment (e.g., mortars, pestles, handstones, or milling slabs); and battered stone tools, such as hammerstones and pitted stones. Historic-period materials might include stone or concrete footings and walls; filled wells or privies; and deposits of metal, glass, and/or ceramic refuse. After cessation of earthmoving activities, the construction foreman shall immediately contact LADWP. Work shall not resume until authorized by LADWP and the qualified archaeologist.</p> <p>If the qualified archaeologist determines that the discovery constitutes a significant resource</p>	During construction	LADWP			

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	under CEQA, preservation in place is the preferred manner of mitigation. In the event preservation in place is demonstrated to be infeasible, a detailed Cultural Resources Treatment Plan shall be prepared and implemented by a qualified archaeologist in consultation with LADWP. LADWP shall consult with appropriate Native American representatives in determining appropriate treatment for unearthened cultural resources if the resources are prehistoric or Native American in nature. Archaeological materials recovered during any investigation shall be curated at an accredited facility. The report(s) documenting implementation of the Cultural Resources Treatment Plan shall be submitted to LADWP and to the SCCIC.					
CUL-3	Preparation of Paleontological Resource Monitoring and Mitigation Plan and Pre-Construction Training. Prior to start of earthmoving activities associated with sensitive fossil-bearing formations located in the southern portion of the project site (includes portions of the proposed cut and cover pipeline, proposed potable pipeline, and proposed and existing water tanks), a qualified paleontologist shall prepare a Paleontological Resource Monitoring and Mitigation Plan (PRMMP) based on and consistent with information provided in <i>Paleontological Investigation Report of the Los Angeles Department of Water and Power Griffith Park South Water Recycling Project, Los Angeles, California</i> (Aron and Kelly, 2013). The PRMMP shall outline: sensitive areas within the limits of the project that require paleontological resources monitoring and paleontological monitoring protocols; inadvertent discovery	Prior to earthmoving activities	LADWP			

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	<p>procedures; recovery and salvage measures for potentially significant fossil and microfossil discoveries; laboratory methods; and reporting and curation requirements.</p> <p>The qualified paleontologist shall also conduct pre-construction worker environmental awareness training prior to construction activities associated with sensitive fossil-bearing formations located in the southern portion of the project site (includes portions of the proposed cut and cover pipeline, proposed potable pipeline, and proposed and existing water tanks). This training shall include information on what to do in case an unanticipated discovery is made by a worker. All construction personnel shall be informed of the possibility of encountering fossils, and instructed to immediately inform the construction foreman if any bones or other potential fossils are unexpectedly unearthed in an area where paleontological monitoring is not required. LADWP shall ensure that construction personnel are made available for and attend the training and shall retain documentation demonstrating attendance. This training may be conducted in coordination with training required under Mitigation Measure CUL-1</p>					
CUL-4	<p>Paleontological Monitoring. Full-time monitoring shall be conducted for all earthmoving activities associated with construction activities in areas of sensitive geologic formations, specifically the Miocene Monterey Formation and Topanga Formation in the southern portion of the project site (includes portions of the proposed cut and cover pipeline, proposed potable pipeline, and proposed and existing water tanks). The qualified</p>	During earthmoving activities	LADWP			

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	paleontologist or his/her assignee shall have the authority to reduce monitoring once he/she determines the probability of encountering fossils has dropped below an acceptable level. Monitoring protocols shall be outlined in the PRMMP.					
CUL-5	Inadvertent Discoveries. In the event of unanticipated discovery of paleontological resources associated with construction activities in areas of sensitive geologic formations, workers shall immediately cease all activity within a 20 foot radius of the discovery site and notify the construction foreman. The qualified paleontologist shall be called to assess the find, implement recovery measures if necessary, and determine if paleontological monitoring is warranted once work resumes. Inadvertent discovery measures shall be outlined in the PRMMP.	During construction	LADWP			
CUL-6	If human remains are encountered, LADWP shall halt work in the vicinity (within 100 feet) of the find and contact the Los Angeles County Coroner in accordance with Public Resources Code (PRC) Section 5097.98 and Health and Safety Code Section 7050.5. If the County Coroner determines that the remains are Native American, the NAHC shall be notified, in accordance with Health and Safety Code Section 7050.5, subdivision (c), and PRC Section 5097.98 (as amended by AB 2641). The NAHC shall designate a Most Likely Descendant (MLD) for the remains per PRC Section 5097.98. Until RAP as the landowner has conferred with the MLD regarding their recommendations, as prescribed in PRC Section 5097.98, taking into account the possibility of multiple human remains, LADWP	During construction	LADWP			

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	shall ensure that the immediate vicinity where the Native American human remains are located is not damaged or disturbed by further development activity, according to generally accepted cultural or archaeological standards or practices					
GEOLOGY						
GEO-1	Prior to the approval of construction plans for the project, including pipelines, pump station, and storage tank, LADWP shall complete a design-level geotechnical investigation. The geotechnical evaluation shall identify soil properties needed for the development of site-specific design criteria. Results of the investigation will require specific design elements to protect new structures from seismic hazards.	Prior to final construction plan approval	LADWP			