

Citrus Heights Water District

Highland Avenue Well Project

MITIGATION MONITORING AND REPORTING PROGRAM

The Mitigation Monitoring and Reporting Program (MMRP) is a CEQA-required component of the Mitigated Negative Declaration (MND) process for the project. The results of the environmental analyses, including proposed mitigation measures, are documented in the Final MND. CEQA requires that agencies adopting MNDs take affirmative steps to determine that approved mitigation measures are implemented subsequent to project approval. As part of the CEQA environmental review procedures, Section (§) 21081.6 requires a public agency to adopt a monitoring and reporting program to ensure efficacy and enforceability of any mitigation measures applied to a proposed project. The lead agency must adopt an MMRP for mitigation measures incorporated into the project or proposed as conditions of approval. The MMRP must be designed to ensure compliance during project implementation. As stated in §21081.6(a)(1):

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. For those changes which have been required or incorporated into the project at the request of a responsible agency or a public agency having jurisdiction by law over natural resources affected by the project, that agency shall, if so requested by the lead agency or a responsible agency, prepare and submit a proposed reporting or monitoring program.

Table 1 is the final MMRP matrix. The table lists each of the mitigation measures proposed in the Final MND and specifies the agency responsible for implementation of the mitigation measure and the time period for the mitigation measure.

Table 1. Mitigation Monitoring and Reporting Program, Highland Avenue Well Project

Potential Environmental Impact	Mitigation Measure	Responsible Agency	Timing
Air Quality			
Mitigation Measure 1	<p>All projects are subject to SMAQMD rules in effect at the time of construction. Control of fugitive dust is required by CHWD Rule 403 and enforced by SMAQMD staff. CHWD shall implement, or require its contractors to implement, all of the following measures as identified by SMAQMD:</p> <p>Basic Construction Emission Control Practices</p> <ul style="list-style-type: none"> • Water all exposed surfaces twice a day – exposed surfaces include, but are not limited to soil piles, graded areas, unpaved parking areas, staging areas, and access roads. • Cover or maintain at least 2 feet of free board space on haul trucks transporting soil, sand, or other loose material on the site. Any haul trucks that would be traveling along freeways or major roadways should be covered. • Use wet power vacuum street sweepers to remove any visible track out mud or dirt onto adjacent public roads at least once a day. Use of dry power sweeping is prohibited. • Limit vehicle speeds on unpaved roads to 15 miles per hour (mph). • All roadways, driveways, sidewalks, parking lots to be paved should be completed as soon as possible. In addition, building pads should be laid as soon as possible after grading unless seeding or soil binders are used. • Minimize idling time either by shutting equipment off when not in use or reducing the time of idling to 5 minutes [required by CCR, Title 13, §2449(d)(3) and §2485]. Provide clear signage that posts this requirement for workers at the entrances to the site. • Maintain all construction equipment in proper working 	Citrus Heights Water District (CHWD)	During construction

Potential Environmental Impact	Mitigation Measure	Responsible Agency	Timing
	condition according to manufacturer’s specifications. The equipment must be checked by a certified mechanic and determine to be running in proper condition before it is operated.		
Biological			
Mitigation Measure 2	CHWD or the construction contractor shall schedule vegetation removal and ground clearing activities prior to the initiation of nesting activity (February) or after fledging (end of August). If CHWD determines that it is infeasible to avoid construction during the nesting season, a qualified biologist shall conduct pre-construction surveys between February 1 and August 31 in potential nesting habitat to identify nest sites. If an active raptor nest or sensitive natural communities are observed within 500 feet of the Project site, CHWD shall contact California Department of Fish and Wildlife (CDFW) for guidance and/or establish a 500-foot-buffer around the nest tree. If a passerine bird or other non-raptor nest is observed during surveys, a 100-foot-buffer around the nest shall be established or consultation with CDFW shall be conducted for a reduced buffer zone based on nesting phenology, site conditions, and recommendation(s) of a biological monitor. Construction activities in the buffer zone shall be prohibited until the young have fledged.	CHWD	Prior to and during construction
Mitigation Measure 3	During Project design and construction, CHWD shall avoid jurisdictional trees, including their protected zones as defined by Chapter 106.39 of the Citrus Heights Municipal Code. The CHWD or its contractor shall implement the standard policies and procedures set forth in §106.39.050 of the City’s Municipal Code during the design and construction of proposed improvements. In the event that a protected tree cannot be avoided, CHWD or	CHWD	Prior to and during construction

Potential Environmental Impact	Mitigation Measure	Responsible Agency	Timing
	<p>its contractor shall obtain a Tree Permit from the City and implement all requirements of the permit. The City may condition any Tree Permit involving removal of a protected tree upon the replacement of trees in kind. The replacement requirement shall be calculated based upon an inch for an inch replacement of the diameter at breast height. Alternatively, the City may require instead payment of a cash contribution based upon the cost of purchasing, planting, irrigating and maintaining the required number of 15-gallon trees. The cash contribution shall be deposited into the Tree Mitigation Fund.</p>		
Cultural			
Mitigation Measure 4	<p>Prior to initiation of construction on the project site, CHWD shall require that any construction or improvement plans contain a notation requiring that if any archaeological, cultural, or historical resources, artifacts, or other features are discovered during the course of construction anywhere on the Project site, work shall be suspended in that location until a qualified professional archaeologist assesses the significance of the discovery and provides consultation with CHWD staff. Appropriate mitigation for curation or protection of the resources, as recommended by the archaeologist, shall be implemented upon approval by CHWD. Further grading or site work within the area of discovery shall not be allowed until the preceding steps have been taken.</p>	CHWD	Prior to and during construction
Mitigation Measure 5	<p>Pursuant to §5097.98 of the California Public Resources Code, and §7050.5 of the California Health and Safety Code, in the event of the discovery of any human remains, all work is to stop, and the County Coroner shall be immediately notified. If the remains are determined to be Native American, guidelines of the Native American Heritage Commission (NAHC) shall be adhered to in the treatment and disposition of the remains.</p>	CHWD	During construction

Potential Environmental Impact	Mitigation Measure	Responsible Agency	Timing
Hydrology and Water Quality			
Mitigation Measure 6	Prior to the operation of an ASR component to the Project well, the CHWD will submit a Notice of Intent for coverage under Water Quality Order 2012-0010 to the Central Valley Regional Water Control Board together with all information required under Section D of the Order and obtain a Notice of Acceptance.	CHWD	Prior to operation of the ASR component of the Project well.
Mitigation Measure 7	<p>Operation of the Project well ASR component shall meet the following standards:</p> <ul style="list-style-type: none"> • Injected water shall be of a quality that will not result in exceedance of a water quality objective in compliance with the requirements of the Antidegradation Policy • The Project well ASR component shall not negatively impact a groundwater cleanup project • Injected water shall be treated and delivered to the injection well consistent with the requirements of all applicable San Juan Water District and CHWD domestic water supply permits • At a minimum, the following treatment and control measures shall be required: <ul style="list-style-type: none"> ○ Treatment (typically flocculation, filtration, and disinfection to remove suspended solids and pathogenic microorganisms) so that all injected water is potable. ○ Adequate characterization of source water quality. If source water quality is variable through the year, operate the ASR component to optimize use of better-quality water during injection cycles. ○ Design and operation of the Project well ASR component to minimize adverse aquifer conditions and geochemistry. 	CHWD	During operation of the ASR component of the Project well.

Potential Environmental Impact	Mitigation Measure	Responsible Agency	Timing
	<ul style="list-style-type: none"> ○ Additional treatment when necessary to fully protect all beneficial uses. ○ Perform groundwater monitoring of the injection/extraction well and any groundwater monitoring wells to evaluate the potential for groundwater quality changes. ○ Implementation of an Operation & Maintenance Plan. • The CHWD shall identify and implement any additional treatment and control measures comply with the requirements of the Antidegradation Policy. 		
Noise			
Mitigation Measure 8	<p>To reduce the effects of construction noise on affected residents, CHWD shall implement the following measures:</p> <ul style="list-style-type: none"> • Except for drilling and constructing the well, all work necessary to implement the project shall be performed between the hours of 7 a.m. and 8 p.m. Monday through Friday • Temporary sound walls (minimum 16 feet high) shall be installed around the work area to reduce noise impacts during drilling and construction operations. • All equipment shall be equipped with appropriate muffler devices to reduce the noise impacts of the drilling operations. • The use of impact wrenches shall be prohibited between the hours of 8 p.m. and 7 a.m. • The CHWD may provide alternate nighttime accommodations if needed to mitigate noise impacts during drilling. 	CHWD	During construction
Mitigation Measure 9	The noise levels of pump station motors and other facilities at the Highland Avenue Well shall not exceed 50 dBA at the	CHWD	Prior to and after construction

Potential Environmental Impact	Mitigation Measure	Responsible Agency	Timing
	<p>property lines. (This will ensure that Citrus Heights Municipal Noise Ordinance standards are met for adjacent existing residential uses.) At the time of well and equipment installation, adequate noise attenuation measures shall be provided to reduce noise levels to the 50-dBA standard. Motors and other noise producing equipment shall be shielded or enclosed to meet this standard. Compliance with this standard shall be demonstrated with pre- and post-construction noise measurements taken during test operations of Project facilities. The implementation of noise attenuation measures shall be to the satisfaction of the CHWD.</p>		