

## **Notice of Section 401 Application Reception**

**File Number:** 362024-30

**Project Name:** Crafton Hills Seepage Structures Improvement Project

**Received:** 9/20/2024

**Date Posted:** 9/24/2024

**End of 21 Day Public Comment Period:** 10/15/2024

**Project City:** Yucaipa

**Project County:** San Bernardino

**Applicant Organization:** California Department of Water Resources

**Applicant Name:** Gerald Snow

**Waterboard Staff:** TBA

### **Brief Description of Project:**

**Project Description:** This project was initiated due to a Board Recommendation from the Director's Safety Review Board (DSRB). The project will conduct maintenance activities which will create long-term improvements that will reduce the need for annual impacts from frequent maintenance efforts that would be required without these improvements.

**Project Activities:** This project will conduct maintenance activities which will create long-term improvements to the facility at Crafton Hills Reservoir. The work will include the construction of permanent seepage monitoring sites, improvements to various access roads, removal of existing non-operational appurtenances, asphalt concrete paving, and other modifications to the Crafton Hills Dam's appurtenant structures. There are currently three seepage sites within the project area with rudimentary weirs made from cement bags, rock and soil, or plastic over rock and soil. These rudimentary seepage weirs will be reconstructed to create permanent concrete weirs at existing seepage locations. At all locations, clearing and excavation will occur prior to the placement of the permanent concrete structures. Weir structures will be constructed with cast-in-place concrete. The upstream approach to the structures may include shotcrete to facilitate flow into the structure. Erosion protection such as a riprap apron or shotcrete may be constructed downstream of the structures. A small concrete structure may be constructed near the existing vaults (to be removed) to collect and measure the seepage and ultimately discharge into the proposed new culvert. Permanent power and instrumentation for real-time measurements will be installed at all locations, which may require excavation trenches. The existing temporary weirs and discharge pipes will be demolished and hauled off-site. At the toe of the Crafton Hills Dam, a newly graded curbed asphalt concrete access road will be constructed. Construction of this alignment will require grading and modifications to the existing drainage features. The existing

drainage channel will be cleared of vegetation, lined with shotcrete, and underlaid with a drainage blanket. This drainage channel will generally follow the existing flow path, cross the proposed asphalt concrete access road, and continue to the existing Control Facilities (CF) culvert. The exposed slopes and invert upstream and downstream of the existing CF culvert will be lined with concrete to prevent future vegetation and erosion from seepage flows. A new concrete/asphalt apron or splash pad will also be constructed immediately downstream of the existing 12-inch blowoff near the toe of the CHDM, adjacent to the new access road. Other components of the project include: Demolish and haul away existing non-operational pipelines, electrical conduits, concrete vaults, and other small appurtenances. Regrade two areas just downstream of the Crafton Hills Enlargement Dam. One area on top of the common fill will be regraded to allow runoff to flow downslope as designed. Another area along the access road will be regraded to direct runoff to flow into the access road v-ditch. Regrade the existing asphalt access road adjacent to the control facilities building to reestablish drainage consistent with existing features.