Notice of Waste Discharge Requirement (WDR) Application Reception

File Number: 362022-09

Project Name: Enhanced Recharge Phase 1B East Project

Date Posted: 6/08/2022

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Project City: Highland

Project County: San Bernardino

Applicant Organization: San Bernardino Valley Municipal Water District

Applicant Name: Heather Dyer

Waterboard Staff: KF

Brief Description of Project:

Project Description: The project proposes the construction of new basins and channel, and improvements to existing man-made basins and man-made channel for the sole purpose of groundwater recharge. The goal of the project, once operational, is increased groundwater recharge.

Project Activities: The entire project involves the construction of new and improvements to existing man-made groundwater recharge basins and man-made channels that convey water for groundwater recharge purposes. The entire system is offline (constructed entirely within upland habitat); the system does not connect / is not tributary to downstream stream areas. The Project involves (from east to west): Improvements to the existing man-made earthen channel and extension of the channel (downstream of the Santa Ana Low Turnout), including the installation of new in-channel infrastructure (channel slide gates, concrete drop structures, concrete inlet and outlet weir structures, diversion structures, concrete box culvert, low water crossing, energy dissipator structures), and rock-lining (ungrouted). 2. Construction of new earthen recharge basins. 3. Removal/repair/construction of inter-recharge basin connections and channel-recharge basin connections 4. Construction of new access roads, modification of existing access roads. 5. Construction of solar panels and instrumentation for basin level monitoring. The earthen channel will be designed and constructed to convey a maximum of 500 cfs, until reaching the Dike “D” Diversion Structure immediately west of the low flow crossing of the EBX2 and Inland Feeder Pipelines. The actual flows that reach the diversion structure are expected to be at most 250 cfs. Flow exiting the Diversion Structure to the low flow crossing will be limited to 250 cfs by manual operation of the slide gates. Flows exceeding 50 cfs are not anticipated to reach the end of the new extension of the earthen channel.