

Notice of Waste Discharge requirements (WDR) Application Reception

File Number: 362024-20

Project Name: Mill Creek Groundwater Recharge

Received: 7/11/2024

Date Posted: 7/18/2024

End of 21 Day Public Comment Period: 8/08/2024

Project City: Redlands

Project County: San Bernardino

Applicant Organization: San Bernardino Valley Water Conservation District
(Conservation District)

Applicant Name: Betsy Miller

Waterboard Staff: TBA

Brief Description of Project:

Project Description: The Project includes the continued implementation of the O&M activities associated with Recharge Facility management that are essential to its long-term operation. The Recharge Facility requires continuous routine maintenance. Depending on the basin, storm intensity, and other variables, sediment and debris removal is required annually and sometimes semiannually. Sediment and debris removal is paramount to the functionality of the system.

Project Activities: Periodic removal of sediment within the basin floor and side slopes is required to restore basin capacity. This excavation, that includes leveling and reshaping the basins to historical limits, is needed for percolation rates to remain effective. Routine maintenance is also required on the basin outlet structures. These structures consist of concrete channels, concrete boxes, steel or concrete pipe, concrete walls and sluice gates or wooden stop logs that span the outlet structure to hold back water within the basins. Occasionally these structures require reconstruction if any major component fails or collapses. Vegetation control usually occurs annually while sediment removal typically occurs every 1 to 5 years depending on the basin condition, weather variables, and other factors. The Conservation District processes approximately 10 tons of sediment per year at the Recharge Facility, much of which is repurposed for maintenance of dikes, canals, and access roads. Some sediment is sold when there is a market; in the meantime, sediment may remain in sediment processing/stockpile locations for approximately 1 to 2 years in the maintenance areas.