

Notice of Section 401 Application Reception

File Number: 332024-11

Project Name: Canyon Lake Water Treatment Plant Phase 1 Improvement

Received: 6/14/2024

Date Posted: 6/18/2024

End of 21 Day Public Comment Period: 7/09/2024

Project City: Canyon Lake

Project County: Riverside

Applicant Organization: Elsinore Valley Municipal Water District

Applicant Name: Parage Kalaria

Waterboard Staff: TBA

Brief Description of Project:

Project Description: To address the high levels of Perfluorooctanoic acid (PFOA), perfluorooctane sulfonic acid (PFOS), and perand polyfluoroalkyl substances (PFAS) detected in Canyon Lake as well as implement Taste and Odor (T&O) treatment via replacement and modification of treatment facilities to ensure the lake supply is always below the thermocline and to provide enhanced drinking water quality to the District's service area. In addition to improving water quality, the project would also address current treatment plant capacity issues. Overall, the goal is to provide safe and sustainable water supplies for residents in the area.

Project Activities: The District's Canyon Lake Water Treatment Plant (CLWTP) has been offline since 2019 due to high levels of Perfluorooctanoic acid (PFOA), perfluorooctane sulfonic acid (PFOS), and per- and polyfluoroalkyl substances (PFAS) detected in Canyon Lake. The project proposes replacement and improvements to the CLWTP needed to reduce these chemical levels and get the treatment plant back in operation. The project generally consists of the demolition of selected existing Canyon Lake Water Treatment Plant (CLWTP) facilities and the construction of new replacement upgraded facilities. The project would demolish the existing intake pump station (i.e., the four intake pumps, floating walkway, and floating barge, piping conduits, panels, shoreline anchors, and appurtenances within Canyon Lake), an old intake structure within Canyon Lake, a valve control facility and piping, the electrical building, and the raw water pipeline), static mixer (i.e., pipeline and platform motor), rapid mixer chamber tank, upflow clarifier, hypochlorite feed pipe gallery system, chemical feed system, storage rooms, and ancillary facilities. Following demolition, the project would construct and install a new intake structure/station within the lake, which would consist of an approximate 8-foot to 10-foot wide elevated gangway platform/ramp and floating

platform walkway, an approximate 10-foot by 20-foot wide floating barge dock at the end of the platform walkway, four submerged intake suction pipes with ballast blocks, and two shoreline anchors for the barge dock) at the lake. Additionally, new treatment plant facilities installation includes new pump station, static mixers and sedimentation/flocculation basins, new equipment for PFAS and T&O treatment, new booster pump station, and new chemical and maintenance buildings. 19,755 square feet, respectively. All streets including Lot K within the subdivision are to be privately owned and maintained by the Homeowner's Association.