

Notice of Section 401 Application Reception

File Number: 362024-04

Project Name: Heaps Peak East Slope Repair

Received: 1/11/2024

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Project City: Running Springs

Project County: San Bernardino

Applicant Organization: San Bernardino County Department of Public Works (DPW)

Applicant Name: Anthony Pham

Waterboard Staff: TBA

Brief Description of Project:

Project Description: DPW is required to maintain the Heaps Peak Disposal Site in compliance with its operation and maintenance requirements. Erosion in the past few years has left an approximately 20-foot-high steep slope of waste exposed where the waste slopes transition. The Project involves removing the temporary repair measures and replacing them with permanent repairs to an existing slope failure area on the east side of Heaps Peak Disposal Site.

Project Activities: The East Slope Failure is located east of the facility's "Subtitle D Disposal Footprint Limits" (i.e., outside the permitted footprint of municipal solid waste) in an approximately 4.12-acre area northeast of the facility's transfer station where closure cover was not placed. Also known as the "pine-needle disposal area," this area reportedly incorporated up to 30' of pine-needle debris along with miscellaneous municipal waste material such as wood, plastic, and metals. Erosion between 2007 to 2008 left an approximately 20' high steep slope of waste exposed where the waste slopes transition from about 2:1 (horizontal to vertical) to steeper (1:1) native slopes that are approximately 150' high. In 2008, during periodic site inspections, the East Slope Failure was discovered. In summer 2008, during attempted repairs, it was determined that the slope failure would require an engineered design to repair. An interim repair was implemented to prevent further erosion until a permanent solution could be developed. Interim repairs consisted of placing synthetic liner over the eroded slope and securing with sandbags tied down with rope. Interim repairs were performed in late 2008 and spring 2009. The plastic sheeting and sandbags were replaced in 2017 and in 2020. The design of the Project consists of the following. Slope stabilization work including miscellaneous grading, unclassified excavation, and unclassified fill. Construct an upper segmented retaining wall, mid-slope that is 25' high and 185' long. A concrete

v-ditch at the toe of the slope will run along the eastern edge of the slope repair and convey flows to a 25' x 50' grouted rip rap pad to disperse flows at the Project outlet. A concrete v-ditch will also be constructed along the northern edge of the 185' upper retaining wall and engineered backfill to capture and convey flows easterly to the v-ditch at the toe of the slope and onto the grouted rip rap pad. Construct a second lower segmented retaining wall, at the toe of slope along the property line that is 19' high and 55' long. Placement of soil cover over the pine needle debris from offsite sources. Construct concrete channels and other drainage structures to route flows away from the slope to prevent additional erosion. Construct miscellaneous concrete and civil improvements.