

Del Amo Superfund Site Five-Year Review: Issues and Recommendations

What are the issues identified by the Five-Year Review (FYR)?	Does the issue affect current protectiveness?	Does the issue affect future protectiveness?	What are the recommended follow-up actions to address the issue?	When will the follow-up happen?
Operable Unit (OU) 3: Dual Site Groundwater				
Production well surveys have not been conducted in over 10 years.	No - The remedy is protective.	Yes - Future protectiveness affected.	Prepare an updated well survey for OU3.	2016
The groundwater system at OU3 is not operational. Therefore, the following is occurring: 1. The contaminated groundwater plume is migrating into cleaner or less contaminated areas in the aquifers including areas that could be used for drinking water. 2. There may be potential of vapor intrusion into overlying homes and businesses near the Sites. Volatile organic compounds may volatilize (evaporate) and migrate into indoor air.	No - The remedy is protective.	Yes - Future protectiveness affected.	Continue to work toward operating the groundwater system to contain and cleanup groundwater contaminants.	2016
Several regulatory agencies are overseeing other groundwater cleanup actions around the Dual Site, and these cleanup actions might impact each other.	No - The remedy is protective.	Yes - Future protectiveness affected.	A comprehensive area-wide strategy should be developed to ensure effective coordination and communication with other agencies.	2016
The Record of Decision (ROD) and/or feasibility study did not include a required analysis of possible degradation from reinjection (or impact to the aquifers).	No - The remedy is protective.	Yes - Future protectiveness affected.	Complete an Anti-Degradation Policy analysis for the reinjection of treated groundwater.	2016
Some laboratory reporting limits for contaminants of concern (COCs) are greater than cleanup goals, which makes assessing cleanup of the site difficult.	No - The remedy is protective.	Yes - Future protectiveness affected.	Revise sampling plans to include analysis procedures that can achieve lower laboratory reporting limits.	2016
The potential for a vapor intrusion pathway in the residential neighborhood south of the Del Amo Site has not been fully assessed.	No - The remedy is protective.	Yes - Future protectiveness affected.	Collect samples to further assess the potential for a vapor intrusion pathway and evaluate all data.	2017
The current OU3 groundwater monitoring network is not robust enough to fully characterize all COCs.	No - The remedy is protective.	Yes - Future protectiveness affected.	Install additional groundwater monitoring wells to better track COCs in groundwater.	2017
Develop a unified Conceptual Site Model (CSM) for OU3.	No - The remedy is protective.	Yes - Future protectiveness affected.	Develop a CSM which integrates all data and information from both the Del Amo and Montrose Superfund Sites.	2017
The remedy for benzene in shallow groundwater cannot be fully evaluated based on data collected to date.	No - The remedy is protective.	Yes - Future protectiveness affected.	Collect and report additional lines of evidence and data to confirm the groundwater remedy for benzene is working.	2017
The ROD selected active extraction/reinjection for benzene in the area outside the Technical Impracticability (TI) Waiver Zone in the deeper groundwater. The treatment system, when operational, may not capture benzene in this area.	No - The remedy is protective.	Yes - Future protectiveness affected.	Determine whether the OU3 groundwater system will capture the benzene in the deeper groundwater. If not, design and implement a benzene groundwater extraction and treatment system.	2017
The cleanup levels for chloroform, ethylbenzene, and 1,2,4-trichlorobenzene have changed since the ROD was issued.	No - The remedy is protective.	Yes - Future protectiveness affected.	Reevaluate the protectiveness of the ROD's groundwater cleanup levels for chloroform, ethylbenzene, and 1,2,4-trichlorobenzene.	2017
The criteria for selecting the Technical Impracticability (TI) Waiver Zone did not include the potential for vapor intrusion.	No - The remedy is protective.	Yes - Future protectiveness affected.	Complete the vapor intrusion assessment, and consider whether the TI Waiver Zone remains protective.	2018
Groundwater contaminated with chlorinated solvents (mainly trichloroethene or TCE) continues to migrate into the dissolved plume and come in contact with Dual Site contaminants.	No - The remedy is protective.	Yes - Future protectiveness affected.	Isolate and contain TCE source areas to attain the goals of the ROD. Implement additional data collection and groundwater investigations to better characterize the TCE groundwater contamination. As necessary, design and construct groundwater containment system(s) to prevent further migration of TCE.	2018
Tertiary-Butyl Alcohol (TBA) has been detected in several wells and was not identified as a COC in the ROD.	No - The remedy is protective.	Yes - Future protectiveness affected.	Consider whether protectiveness of the selected remedy requires adoption of a cleanup standard for TBA.	2019