

Executive Summary

The purpose of this Action Memorandum is to request and document approval of the proposed removal action for Operable Unit 9—Pond 1 (Site SD023) at Hill Air Force Base (HAFB), Utah.

Pond 1 is located along the southern boundary of HAFB, east of the South Gate entrance, and adjacent to Air Force Reserve 419th Fighter Wing hangar. Pond 1 is separated from Highway 193 by the boundary fence, Foulis Road, and the Restricted Area fence. Pond 1 currently serves as a retention basin, receiving storm runoff from the industrial areas and the flightline.

Pond 1 sediments are contaminated with fuel-related hydrocarbons, metals, and PCBs from historical storm runoff and industrial discharge from the industrial area of HAFB. Previous investigations carried out from the early 1990s to 2001 enabled the pond sediments to be well characterized and the extent of contamination to be adequately defined. The contaminated sediments that exceed Residential RBSLs reside in the top 4 feet of sediments and have been delineated in four areas within the pond boundary. Based on the depth of contamination and the isolated locations, the contamination has not migrated an appreciable distance vertically and is concentrated near the pond inlets and outlets.

The proposed action is to excavate the four contaminated sediment areas, stockpile the sediments, confirm adequate removal through sampling, compact contaminated sediments within the designated soil cover area at the northwest corner of the pond, and cover contaminated sediments with 8 feet of clean soil excavated from the expansion of the pond boundary. An 8-foot soil cover eliminates the exposure pathways to humans and the environment. Potential risk of exposure does exist in the case of future construction activities within the soil cover area that may include deep excavation. Therefore, institutional controls in the form of land use restrictions will be implemented.