



REGION 9

SAN FRANCISCO, CA 94105

February 14, 2025

VIA ELECTRONIC MAIL ONLY

Rear Admiral Marc Williams
Deputy Commander
Navy Closure Task Force - Red Hill
850 Ticonderoga Street, Suite 110
Joint Base Pearl Harbor-Hickam, Hawai'i 96860

Subject: U.S. Environmental Protection Agency Review of *Draft Deep Soil Vapor Extraction Pilot Study Work Plan, Red Hill Bulk Fuel Storage Facility, Joint Base Pearl Harbor Hickam, Hawaii*, dated February 23, 2023 (revised August 2, 2024)

Dear Rear Admiral Williams:

Thank you for submitting the *Draft Deep Soil Vapor Extraction Pilot Study Work plan, Red Hill Bulk Fuel Storage Facility, Joint Base Pearl Harbor Hickam, Hawaii*. The purpose of the pilot study is to evaluate the effectiveness of Soil Vapor Extraction (SVE) as a remedial option at the Red Hill Bulk Fuel Storage Facility.

EPA approves conducting the deep SVE pilot study test. Phase 1 will be conducted using two newly installed SVE wells, five existing SVE wells, and the two newly installed deep nested soil vapor monitoring points (DSVMP) wells. Phase 2 will include installation of two additional deep wells and two DSVMP wells. Initially, the system will be operated at different extraction flow rates to determine optimal flow rates and flow distribution. The optimized system will then be operated and monitored for 6 months to evaluate its effectiveness and long-term mass petroleum hydrocarbon removal rates. The data from the pilot study will be used to support selection of long-term remedial options.

If you have any questions regarding this letter, please contact me at russi.tonya@epa.gov or (415) 972-3706.

Sincerely,

/s/

Tonya Russi
Red Hill Project Coordinator
U.S. Environmental Protection Agency, Region 9

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