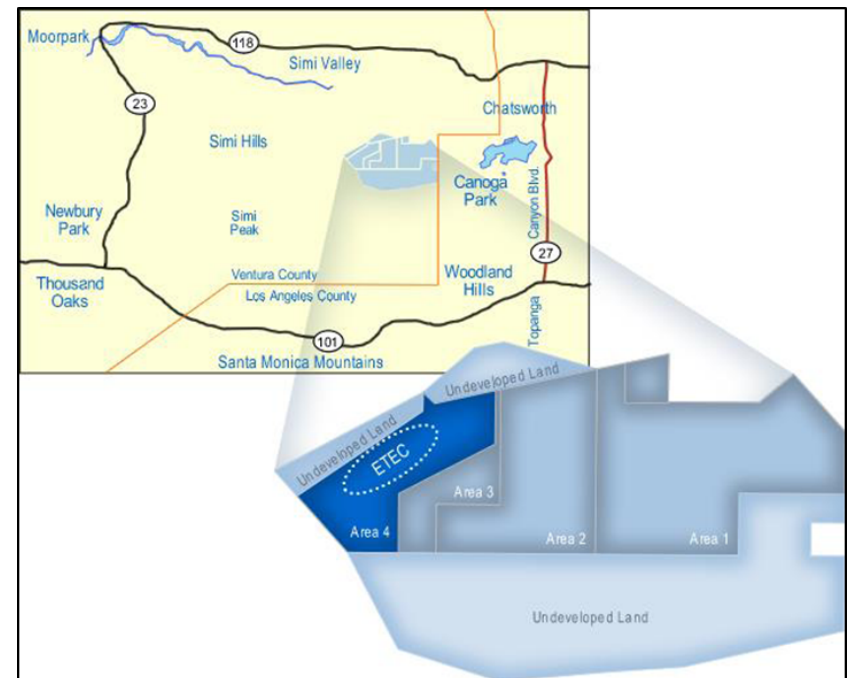




Background

- DOE activities within Area IV primarily involved liquid metals research and nuclear energy development, from the mid 1950's to the late 1980's.
- The United States Environmental Protection Agency's radiological soil investigation in the Area IV and Northern Buffer Zone was completed in 2012.
- The December 2010 Administrative Order on Consent for Remedial Action (AOC), signed by DTSC and DOE, require three phases of soil chemical investigation. This investigation was completed in 2014. The radionuclide and chemical results of these investigations are currently being used for cleanup planning.
- Chemical and radionuclide releases have occurred to soil and groundwater, and the AOC requires soil cleanup to local background or method detection limit, with the cleanup decision levels presented as DTSC approved look up table values.



Santa Susana Field Laboratory – Area IV and Northern Buffer Zone



Department of
Toxic Substances
Control

Santa Susana Field Laboratory Department of Energy Update

Progress Made

Groundwater Source Investigations

DOE completed its groundwater investigation for portions of Area IV under DOE responsibility. Activities include installation of new shallow and deep monitoring wells, well rehabilitation, and sampling of groundwater monitoring wells and seeps and springs.

Draft Soils Chemical Data Summary Report (CDSR)

DOE issued this compilation of soil chemical data collected within Area IV and the Northern Buffer Zone in January 2017. The 2010 AOC requires the CDSR to summarize the entirety of data collection efforts and depict the horizontal and vertical extent of contamination in soils that exceeds soil chemical Look-Up Table values. The CDSR is currently in review by DTSC.

DOE's Draft Environmental Impact Statement (DEIS)

DOE released its draft EIS for Remediation of Area IV and the Northern Buffer Zone of SSFL on January 6, 2017. The DEIS analyzes the potential environmental impacts of alternatives for conducting cleanup activities in Area IV. DTSC provided comments regarding the DEIS to DOE during the public comment period.

Upcoming Submittals

Submittal of Final Soil Chemical Data Summary Report

Cleanup planning: submittal of draft Soils Remedial Action Implementation Plan

DOE/DTSC Technical Documents

DTSC web site:

http://www.dtsc.ca.gov/SiteCleanup/Santa_Susana_Field_Lab/ssfl_document_library.cfm

- Go to "DOE Area IV," then select topic of interest

DOE web site:

http://www.etec.energy.gov/Char_Cleanup/Soil.html

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To see additional documents on the DTSC SSFL web site, please go to "[Document Library](#)", then "[Department of Energy \(DOE\) Area IV](#)", then "[Soil Treatability Studies](#)"