

## Background

The U.S. Department of Energy's estimated soil cleanup areas at SSFL are located in Area IV (~217 acres) and Northern Buffer Zone (~12 acres)

Starting in the early 1950s, for nearly 50 years, DOE sponsored nuclear and non-nuclear energy research and development projects in Area IV, including nuclear energy operations

- Past operations resulted in release of chemicals and radionuclides to the environment
- United States Environmental Protection Agency's (EPA's) radiological soil investigation in the Area IV and Northern Buffer Zone was completed in 2012
- December 2010 Administrative Order on Consent for Remedial Action (AOC): three required phases of soil chemical investigation completed in 2014

## Past Work

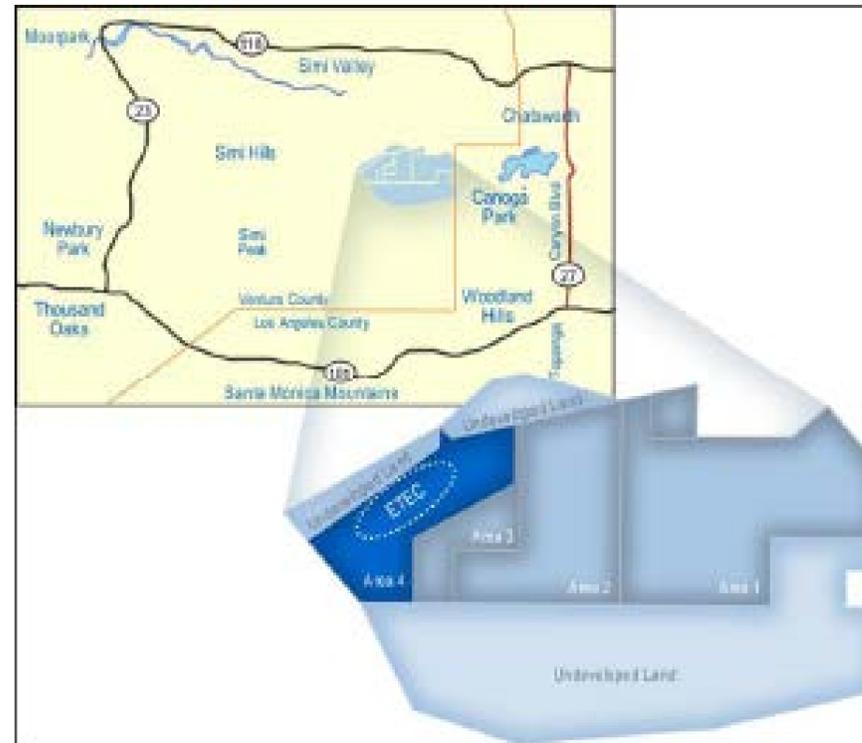
Completed since 2010:

- 3,600+ radionuclide samples
- 6,500+ chemical samples
- 100+ soil vapor samples

Results used for cleanup planning

- U.S. EPA's **Radiological Characterization of Soils** issued in December 2012
- DOE's **Chemical Data Summary Report (CDSR)** issued in December 2016
- DOE's **Soil Treatability Studies** completed in 2015

## DOE Status Update



## Current Status

### Soils Program

- CDSR in review with DTSC
- DTSC coordinating with other federal and state agencies regarding cleanup regulatory requirements

### Groundwater Program

- Source zone characterization work is at the site level; the sitewide groundwater program incorporates all sites
- Sitewide Groundwater RFI Report is in progress
- Groundwater Interim Measure (GWIM)
  - Implemented at Former Sodium Disposal Facility in November 2017
- Thermal Remediation White Paper is in progress

## Upcoming Work (Next 6 Months)

### Soils Cleanup Program

- DTSC review of CDSR completed
- Submittal of draft Soils Remedial Action Implementation Plan w/in 60 days of DTSC approval of CDSR

### Groundwater Program

- Sitewide Groundwater RFI submittal in 2018
- Ongoing GWIM operations at FSDF