

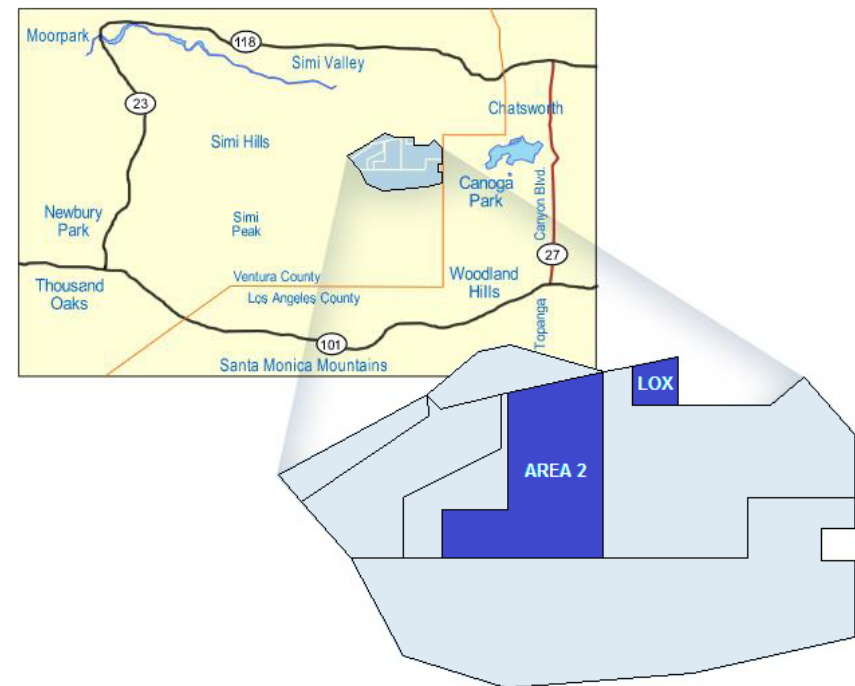


SANTA SUSANA FIELD LABORATORY NASA UPDATE

Background

- The Federal Government and its contractors developed and tested large liquid-fueled rocket engines and components at SSFL Area II from the mid-1950's to the early 2000's, with peak activities occurring from the late 1950's to the mid-1980s.
- Activities resulted in the release of chemicals to soil and groundwater, including solvents (such as trichloroethylene, or TCE), metals, petroleum hydrocarbons, polychlorinated biphenyls (PCBs), and dioxin/furan compounds.
- The 2010 Administrative Order on Consent (AOC) between DTSC and NASA requires soil chemical investigation to local background or detection limit concentrations. The field investigation was completed in 2014, and the Soils Data Summary Report was submitted by NASA in February 2017.
- Groundwater impacts, mostly from solvents, are being investigated and will be remediated under a 2007 Corrective Action Consent Order between DTSC and NASA. Extensive NASA groundwater source investigations were completed in 2016.

NASA SSFL LOCATION MAP



Santa Susana Field Laboratory – properties owned by the Federal Government and administered by NASA.



SANTA SUSANA FIELD LABORATORY NASA UPDATE

Progress Towards NASA SSFL Cleanup

Soils Characterization and Cleanup Planning

- 2,800+ soil samples and 160+ soil vapor samples collected since 2011, older data also reviewed and evaluated.
- Extent of NASA soil chemical contamination has been defined to DTSC's 2013 Lookup Table values.
- NASA's May 2015 **Soils Data Summary Report** was revised in February 2017, under review.
- **Soil Treatability Study Report** under DTSC review.

Groundwater Source Investigations complete

- Investigation and characterization completed in 2016.
- Deep borings and wells, soil vapor sampling, geophysics, aquifer testing, and fault mapping were conducted.
- **Groundwater RFI Reports** in preparation for release in 2017.

NASA Demolition Program underway

- Former ELV buildings removed in 2015, Skyline Area water tanks removed in 2016-2017
- Non-historic structures to be removed in 2017-2018

CEQA Environmental Impact Report (EIR) in preparation

- EIR in preparation by DTSC for public release in mid-2017.

Upcoming Milestones and Documents

DTSC's **Environmental Impact Report (EIR)** for SSFL will be released for public review in mid-2017.

NASA will prepare **Draft Soils Remedial Action Implementation Plans (SRAIPs)** for DTSC review and public comment in 2017. These are the formal decision documents for NASA's SSFL final cleanup plans.

NASA / DTSC Technical Documents

DTSC SSFL web site:

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

➤ Go to "NASA" section, select topic of interest

NASA SSFL web site: <http://ssfl.msfc.nasa.gov>

DTSC Contact for NASA SSFL

Public Participation Specialist: **Marcia Rubin** (818) 717-6565
Marcia.Rubin@DTSC.ca.gov