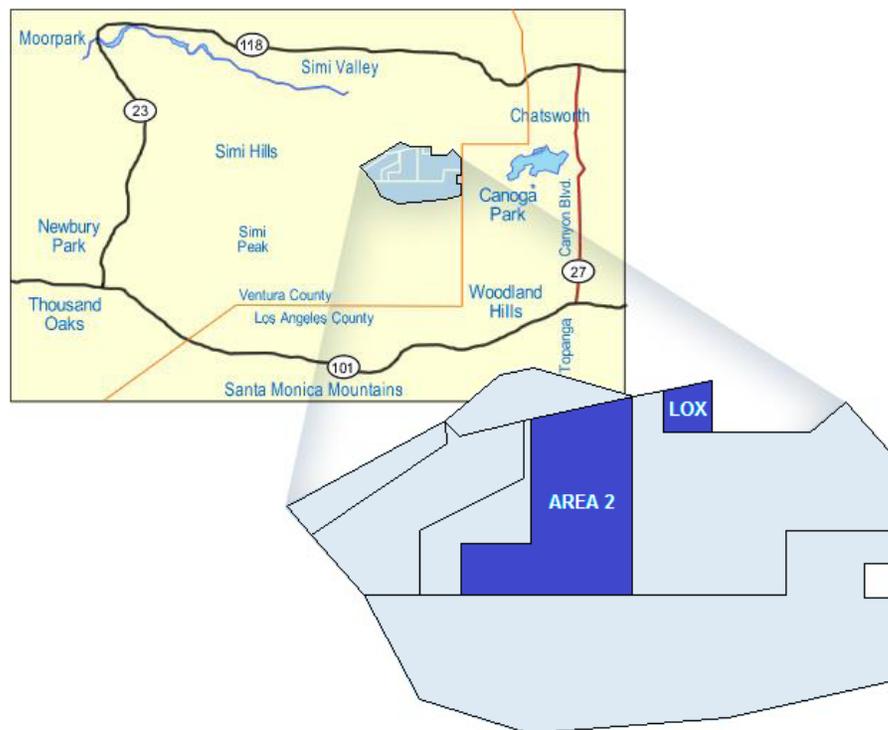


Background - The National Aeronautics and Space Administration (NASA)

- 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.

Cleanup Progress - NASA

Soils Characterization and Cleanup Planning

- 2,800+ soil samples and 160+ soil vapor samples collected since 2011, older data also reviewed and evaluated.
- Soil chemical contamination has been defined to DTSC's 2013 Lookup Table values.
- NASA's May 2015 **Soils Data Summary Report** was revised in May 2017 and is under DTSC 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.
- **Draft Groundwater RCRA Facility Investigation (RFI) Report** was released in 2017 and is under DTSC review.

NASA Demolition Program in Progress

- Former ELV buildings removed in 2015, Skyline Area water tanks removed in 2016-2017.
- Non-historic features and infrastructure at test stand areas and other NASA areas are undergoing removal in 2018.

DTSC Draft Environmental Impact Report (EIR)

- **Draft EIR** released in October 2017. DTSC is reviewing public comments.

Upcoming Milestones and Documents

DTSC will prepare and release responses to public comments on the **Draft EIR** in 2018.

NASA will prepare **Draft Soils Remedial Action Implementation Plans (SRAIPs)** for DTSC review and public comment in 2018. These are the formal decision documents for NASA's SSFL final cleanup plans.

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>

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