

Groundwater Overview

In 1984, trichlorethene (TCE) was detected in production wells at SSFL. Groundwater investigations between 1985 and 2016 included the installation and sampling of over 500 monitoring wells along with numerous other investigative activities. Cleanup of groundwater is regulated under the Resource Conservation and Recovery Act (RCRA) Corrective Action process.

Current efforts to complete RCRA Facility Investigation (RFI) for groundwater includes resolving data gaps identified in the 2009 Draft Groundwater RFI Report.

After the Groundwater RFI work is completed, cleanup technologies will be evaluated in the RCRA Corrective Measures Study Process. Based on the results of the studies, DTSC will select the cleanup methods to be used, and solicit public input on the decision.

A groundwater monitoring program has been conducted at the site since 1985. Samples are routinely collected from over 170 wells and the results are reported to DTSC.

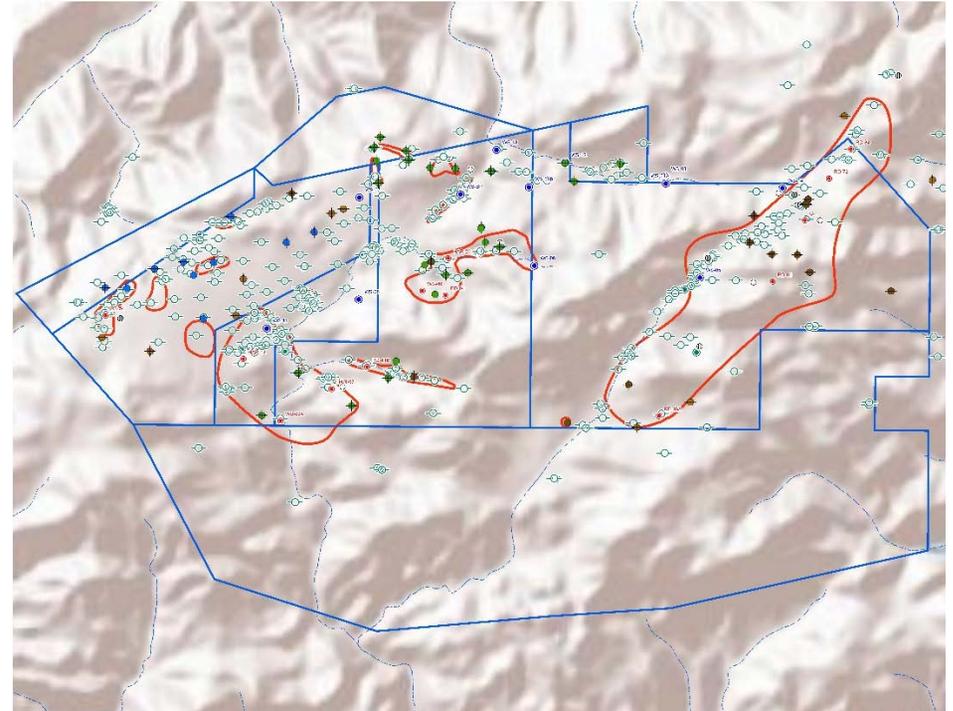


Figure showing extent of TCE in groundwater and monitoring well network.

The nature and extent of groundwater contamination at SSFL is well understood, and studies continue to be conducted.

Based on the groundwater studies and sampling results reported to date, DTSC does not recognize an offsite threat to human health or the environment from groundwater at SSFL.

Summary of Work Completed and Scheduled

Activity	Status	Documentation
Evaluation of Areas of Impacted Groundwater in Areas I and III	Field Work Completed, Summary Reports being reviewed by DTSC	Results reported in the Boeing Draft Groundwater RFI Report submitted in June 2017
Source Zone Characterization for Sites in Areas I and III	Field Work Completed, Summary Reports being reviewed by DTSC	Groundwater Source Zone evaluations were presented in RFI Data Summary and Findings Reports for Boeing sites submitted between April 2017 and December 2017
Evaluation of Areas of Impacted Groundwater in Area II	Field Work Completed, Summary Reports being reviewed by DTSC	Results reported in NASA's Draft Groundwater RFI Reports for Areas of Impacted Groundwater submitted in May 2017
Evaluation of Areas of Impacted Groundwater in Area IV	Field Work Completed, Summary Reports being reviewed by DTSC	Results reported in DOE's Preliminary Draft Groundwater RFI Report submitted in June 2017
Groundwater Monitoring	Ongoing	Quarterly and Annual Groundwater Monitoring Reports

DTSC Technical Documents

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

- Go to "RCRA Facility Investigation – Groundwater" then select topic of interest

DTSC Contact

Public Participation Specialist: Michelle Banks-Ordone, (818) 717-6573, Michelle.Banks-Ordone@DTSC.ca.gov