

COMMUNITY UPDATE

The mission of DTSC is to protect California's people and environment from harmful effects of toxic substances through the restoration of contaminated resources, enforcement, regulation and pollution prevention.

STRINGFELLOW SUPERFUND SITE PROJECT UPDATE

(please see full list of DTSC contacts on Page 3 of this fact sheet)

The Department of Toxic Substances Control (DTSC) is sending this fact sheet to update you on the cleanup of the Stringfellow Superfund Site (Site) located at 3400 Pyrite Street in Jurupa Valley.

The State of California is the responsible party for this Site and DTSC is conducting environmental and clean up actions under the United States Environmental Protection Agency's (US EPA) direction.

IN THIS FACT SHEET YOU WILL FIND INFORMATION ON:

- Activities performed over the previous year (Pages 2, 3).
- Planned activities for the remainder of 2017 and beyond (Page 3).
- Project team members to contact for more information (Page 3).

WHAT DOES ALL THIS MEAN TO YOU?

- The soil and groundwater contamination at the Site is being cleaned up to protect the environment and the health of the community.
- All water consumed by people living near the Site is being supplied by the Jurupa Community Services District (JCSD). Drinking water is not pumped from near the Site.
- The groundwater near the Site is safe for plants and livestock.

STRINGFELLOW SITE BACKGROUND

The Stringfellow Superfund Site was used to dispose of liquid hazardous waste in disposal ponds, including heavy metals, pesticides, solvents and perchlorate, which was used as fuel for rocket engines, electroplating, pesticide and explosives manufacturing. The site operated from 1956 to 1972 and received at least 34 million gallons of hazardous waste. The disposal pits were located in Pyrite Canyon, north of Highway 60 in Jurupa Valley. In the early 1980s at the former ponds in Zone 1, the Santa Ana Regional Water Quality Control Board oversaw the removal of the liquid hazardous waste, pond deconstruction and grading, contaminant neutralization, and clay-cover construction activities. Since 1986, US EPA and DTSC have installed hundreds of groundwater monitoring wells and extraction wells, and constructed several treatment plants to contain and clean up contaminated groundwater within Zones 1 to 4 (please see the Zones map on page 2). Between 2013 and 2015, the US EPA conducted investigations in two nearby areas (EPA Study Areas 1 and 2) to find other possible sources of perchlorate. EPA Study Area 1 is to the west of Zones 1-3.

PUBLIC INVOLVEMENT



*GET INVOLVED
ATTEND OUR MEETINGS*

The Stringfellow Advisory Committee (SAC) invites you to our meetings. The meetings are typically held biannually at 10 am on the third Wednesday of April and October at:

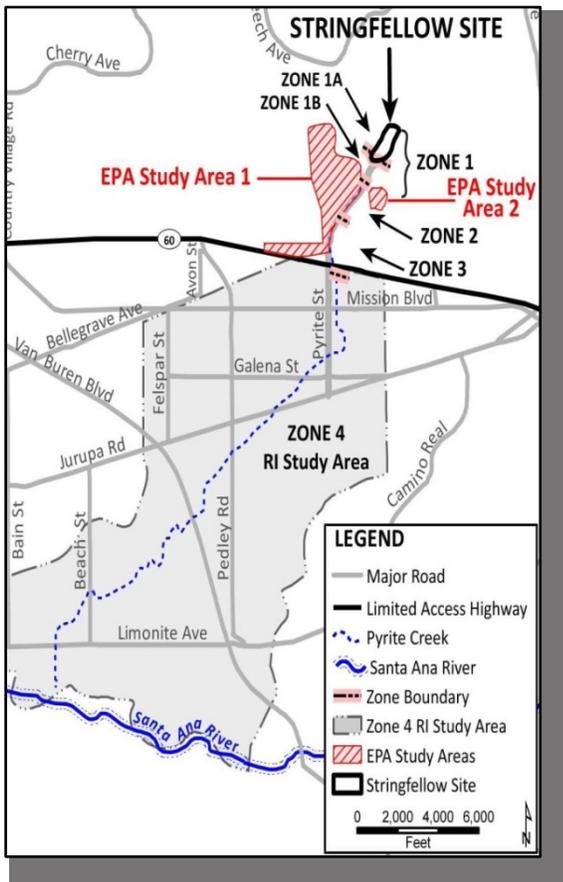
Stringfellow Information Center
10247 Bellegrave Avenue # 131
Mira Loma, California 91752

For more information contact:

Jesus Cruz
DTSC Public
Participation Specialist
(866) 495-5651 or
(916) 255-3315 or
Jesus.Cruz@dtcs.ca.gov

Project documents are located at:

Glen Avon Library
9244 Galena Street
Jurupa Valley, California 92509
(951) 685-8121
Or at:
Envirostor.dtsc.ca.gov/public



EPA STUDY AREAS 1 AND 2 INVESTIGATION UPDATE

The US EPA completed an investigation of Study Areas 1 and 2 and provided preliminary results to DTSC for review in April and July 2017. The US EPA compiled the Study Area 1 data into a clean-up investigation report. DTSC is working with its contractors to prepare a cleanup investigation report using the US EPA Study Area 2 data, which should be completed in 2018.

PYRITE CANYON TREATMENT FACILITY STATUS

The Pyrite Canyon Treatment Facility (PCTF) was inaugurated on July 21, 2016 (see picture on Page 4). Following a period of commissioning and shake-down testing, the new facility began treatment of contaminated groundwater in April 2017. The new PCTF is an upgraded, modernized, and safer replacement of the existing old Pre-Treatment Plant (PTP) that was built in 1985.

The PCTF provides the State with improved clean up capacity and effectiveness in order to meet permit requirements and fulfill its mandated responsibilities. The new PCTF is a testament to the collaboration of DTSC with local, state, and federal agencies which include the Department of General Services, Santa Ana Watershed Protection Authority, City of Jurupa Valley, Chino Basin Watermaster, Jurupa Community Services District, and the Orange County Sanitation District. The new PCTF is currently treating approximately 10,000 gallons of contaminated groundwater per day, primarily from the former Stringfellow waste pond area in Zone 1A. After an initial operational test period more of the site’s waste streams will be transferred to the new PCTF, which has the capacity to treat up to 172,000 gallons per day. Once all waste streams are transferred to the new PCTF, other treatment facilities such as the old treatment plant will be taken off-line and eventually decommissioned.

PREVIOUS YEAR’S KEY EVENTS:

US EPA EVALUATED THE INTERIM REMEDIES IN A 5-YEAR REVIEW REPORT

A 5-Year Review Report published by US EPA in September 2016 concluded that the cleanup actions at the Stringfellow Superfund site are protective of human health and the environment because exposures that could result in unacceptable risks are being controlled. The US EPA recommended the following actions to make sure that the site poses no risk in the long-term. DTSC is currently working on these recommendations.

- Evaluate additional methods of contaminant removal in Zone 1A (site of original disposal).
- Evaluate the apparent hydraulic connection under the clay barrier between Zone 1A and Zone 1B
- Evaluate well placement in the areas with little or no liquid capture or well coverage.
- Evaluate the risk of vapor intrusion. Vapor intrusion occurs when groundwater vapors containing contaminants impact community structures by travelling to the surface.

ONGOING SITE ACTIVITIES

- Continued surface water and groundwater sampling analysis and Groundwater Model re assessment
- Continued evaluation of remedy effectiveness
- Continued Zone 4 Feasibility Study activities that evaluate clean-up alternatives for perchlorate in the community
- Continued Supplemental Feasibility Study (SFS) activities for Zones 1-3 to evaluate options to improve clean up actions in Pyrite Canyon
- Continued operation, maintenance, monitoring, and reporting of the site’s clean up facilities.

COMPLETED DOCUMENTS

Published documents for the Stringfellow Superfund site can be found at the project Information Repositories (see next column), as well as at the following DTSC Envirostor websites:

- http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=33490001,
- http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=60002365

The web sites above contain the following documents that are pertinent to current activities at the site:

- Project Management Plan
- Data Management Plan
- Final Screening Level Ecological Risk Assessment
- Final Technical Impracticability Evaluation Report
- Annual Groundwater Remedy Effectiveness Evaluation Reports
- Feasibility Study Reports
- Final Groundwater Monitoring Optimization Report
- Site-Wide Sampling and Analysis Plan
- Zone 4 Data Gap Investigation (DGI) Well Installation and Investigation Reports
- Zone 4 Groundwater Model Recalibration Plan
- Community Involvement Plan updated by USEPA
- Surface Water Sampling Analysis Reports
- Clean up System Operation, Maintenance and Monitoring Reports

ACTIVITIES FOR SUMMER TO WINTER 2017

- USGS groundwater sampling, and data analysis
- Groundwater Remedy Effectiveness Evaluation
- Zone 4 soil vapor sampling and analysis
- Perchlorate analysis and secondary source evaluation
- Monitored Natural Attenuation (MNA) evaluation
- Additional monitoring and extraction well installation and clean up optimization (all zones)
- Sampling of surface water after storm events.

INFORMATION REPOSITORIES

You may review the Stringfellow site documents at the following information repositories:

Glen Avon Library

9244 Galena Street
Jurupa Valley, California 92509 (951) 685-8121

DTSC Stringfellow Site File Room

8810 Cal Center Drive Sacramento, California 95826
(916) 255-6552

CONTACT INFORMATION

For technical questions, contact DTSC or US EPA project managers:

DTSC:

Public Participation Specialist
Jesus Cruz at (916) 255-3315 or toll free
(866) 495-5651 or Jesus.Cruz@dtsc.ca.gov

Media Inquiries

Russ Edmondson at (916) 323-3372 or
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Project Manager

Peter Bailey at (916) 255-6552 or
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US EPA:

Daewon Rojas Mickelson (US EPA) at
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Rojas-Mickelson.Daewon@epa.gov

Mailing List: To be added to or removed from the Stringfellow Site mailing list, contact Jesus Cruz at: Jesus.Cruz@dtsc.ca.gov or (866) 495-5651.

Mailing lists may be made public upon request.



Completed Pyrite Canyon Treatment Facility (PCTF)