

COMMUNITY NOTICE

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

The Department of Toxic Substances Control (DTSC) is sending this fact sheet to update you on the cleanup of the Stringfellow Superfund Site (Site) in Jurupa Valley. DTSC is the responsible party and is conducting environmental actions to clean up the Site under the United States Environmental Protection Agency's (US EPA) direction.

IN THIS FACT SHEET YOU WILL FIND INFORMATION ON:

- Field work and documents completed from June 2011-June 2012 (Pages 2, 3, 4).
- Planned activities for 2014 and beyond (Page 4 describes activities in and beyond 2014).
- Names of people to contact for more information (Page 4).

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 near the Site is being supplied by the city water sources. The water is not pumped from the groundwater from the Site. Based on conclusions reached in the final Zone 4 Risk Assessment, 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. It operated from 1956 to 1972 and received about 35 million gallons of hazardous waste. The disposal pits were located in Pyrite Canyon, north of Highway 60 in Jurupa Valley. In the early 1980s, the Santa Ana Regional Water Quality Control Board removed the liquid hazardous waste and filled and capped the ponds in Zone 1. Since 1986, USEPA and DTSC have installed hundreds of groundwater monitoring wells, extraction wells, and several treatment plants to contain and clean up contaminated groundwater migrating from Zones 1 to 4 (please see the Zones on map-page 2) at the Site. In 2013, EPA began an investigation to the west of Zones 1-3 to find other sources of perchlorate.

PUBLIC INVOLVEMENT



GET INVOLVED

ATTEND OUR MEETINGS

The Stringfellow Advisory Committee (SAC) invites you to our meetings. The meetings will be held quarterly on the third Wednesday of January, April, July and October at 10:00 am at:

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

For more information contact:

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

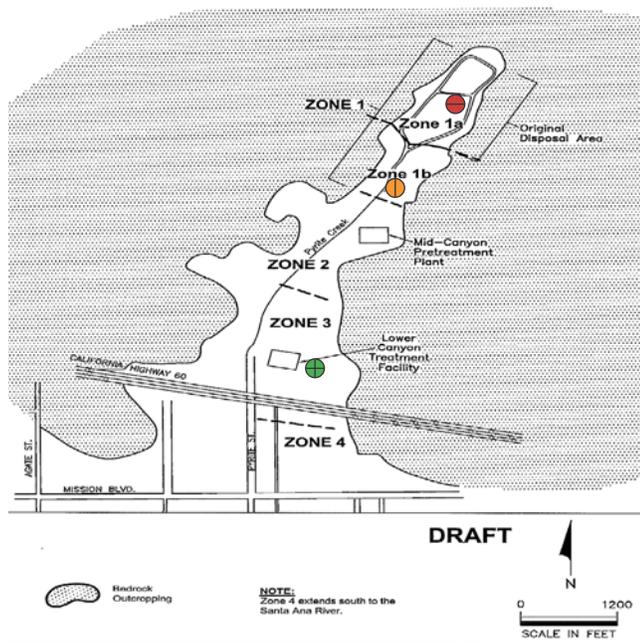
You may view the project documents at:

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

or at the DTSC website:

www.envirostor.dtsc.ca.gov/public

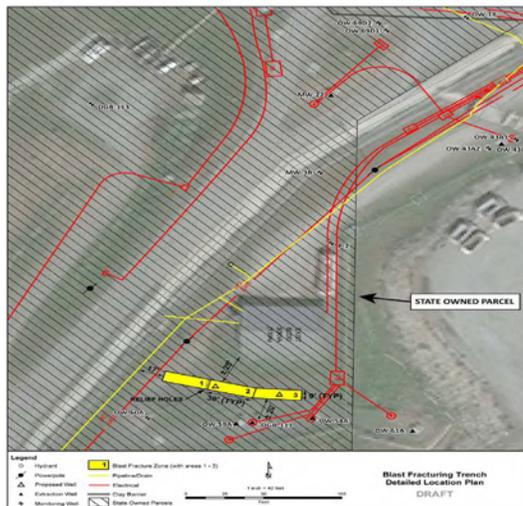
FIELD WORK COMPLETED



Location of Zones 1 through 4, Stringfellow Superfund site



● Blast fracturing pilot study conducted to accelerate contaminant removal in Zone 1B



● Completed Blast Fracturing in 90-foot long Trench (shown above in yellow at mid bottom) in Zone 1B



● Added 2 pumping wells to Zone 1 to remove contaminants



● Installed six pumping wells in Zone 3 to remove contaminants



Installed 4 wells (FC-1011 cluster) near Jurupa Road and Agate Street in Zone 4 to test groundwater

COMPLETED DOCUMENTS

In 2011-2012 three key documents were also completed as described in the sections below:

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

The 5-Year Review Report published by USEPA in September 2011 recommended:

- Optimize the existing monitoring and extraction well systems in Zones 1, 2 and 3.
- Evaluate the need for additional monitoring and/or extraction wells in Zone 1.
- Complete additional investigations to verify the perchlorate sources.

TECHNICAL IMPRACTICABILITY EVALUATION

Current remedial actions protect human health and the environment by containing almost all of the contamination within the original waste disposal area (Zone 1). The Technical Impracticability Evaluation summarizes the reasons that it may be technically difficult or impossible to clean up groundwater to drinking water standards in Zone 1 and in small fractures of unweathered bedrock in Zones 2 and 3. USEPA will consider this evaluation when it determines the long-term cleanup goals for the Site.

ZONE 4 FEASIBILITY STUDY FOR PERCHLORATE IN GROUNDWATER

In 2001, DTSC found perchlorate in the Zone 1 groundwater and in the community. Bottled water was supplied to residents using private groundwater wells. DTSC purchased hookups to public water supplies for the affected residents. From approximately 2004 to 2007, DTSC collected over one hundred temporary well point groundwater samples and installed several groundwater wells to define the extent of perchlorate south of the 60 Freeway from Pyrite Canyon. The figure below shows the perchlorate plume that extends from the former disposal pits, past Highway 60, to the Santa Ana River. Ammonium and potassium perchlorate salts are used in solid fuel rockets, some explosives, and other applications. Perchlorate is used because it provides the oxygen that the rocket needs to burn. The Final Zone 4 Remedial Investigation was issued in February 2010 and was revised slightly in February 2011.



Zone 4 groundwater perchlorate plume.

The Draft Zone 4 Feasibility Study (FS), issued in March 2012, considers several alternatives to clean up perchlorate in groundwater, balancing such factors as effectiveness, ability to implement, and cost. A computer-generated model was used to predict how long the various remedial alternatives will take to clean up the perchlorate plume.

PLANNED ACTIVITIES FOR 2014

DTSC started construction in May 2013 on the new Pyrite Canyon Treatment Facility (PCTF), located just north of the existing 27 year old Pre-Treatment Plant as shown on map below. While the old Pre-Treatment Plant consistently met all discharge requirements, the new PCTF will be more efficient, modern and safer to operate. Construction should take approximately two years to complete.

ACTIVITIES BEYOND 2014

- Enhance and optimize the Groundwater Monitoring Program.
- Finalize the Zone 4 Feasibility Study that evaluates cleanup alternatives for perchlorate in the community.
- USEPA will prepare the proposed plan for the final Record of Decision (ROD).

CONTACT INFORMATION

For technical questions, contact DTSC or USEPA project managers:

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Susan Fears at (916) 255-6552 or
Susan.Fears@dtsc.ca.gov

Wayne Praskins (USEPA) at (415) 972-3181 or
Praskins.Wayne@epa.gov

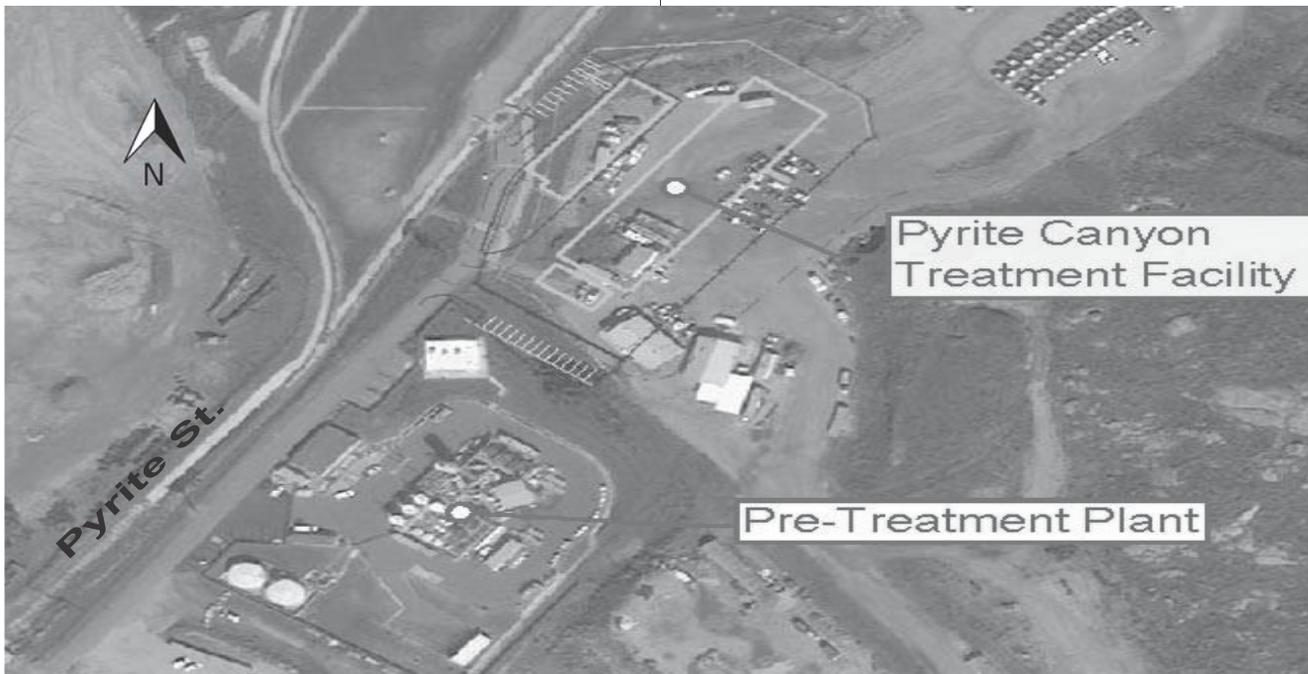
Media inquires call, Russ Edmondson, (916) 323-3372
or Russ.Edmondson@dtsc.ca.gov

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

Phone No: (916) 255-3315

Toll Free: (866) 495-5651

Mailing lists may be made public upon request.



Future PCTF Location Map