

Fact Sheet, May 2010



DEPARTMENT OF  
TOXIC SUBSTANCES  
CONTROL

*The mission of the  
Department of Toxic  
Substances Control is  
to provide the  
highest level of safety,  
and to protect public  
health and the  
environment from  
toxic harm.*



State of California



Cal/EPA

## Approved Groundwater Treatment Successfully Continues at J&S Chrome Plating & former Chrome Crankshaft Sites

Cleanup efforts to extract and treat chromium contaminated groundwater at the J&S Chrome Plating Company (J&S) and former Chrome Crankshaft Company (CCC) sites continue being conducted as planned. The J&S and former CCC sites are adjacent properties located at 6863 and 6845 East Florence Place, respectively, in Bell Gardens, and are also directly adjacent to both Suva Elementary and Intermediate Schools. Our agency, the Department of Toxic Substances Control (DTSC) is the regulatory agency that continues to oversee cleanup activities at the sites.

This fact sheet provides information on:

- Why Groundwater Treatment is Necessary
- Soil Cleanup Activities Completed July 2008
- Approved Groundwater Treatment Plans
- Groundwater Treatment Activities Update
- Where to Find Site Documents
- Next Steps
- Who to Contact for More Information



*Photo of drill rig conducting installation of water quality monitoring well at East Florence Place and Scout Avenue.*



## **Why Groundwater Treatment Is Necessary**

Under current conditions neither the J&S nor CCC sites pose a threat to human health. However, under future land use scenarios, DTSC determined that elevated levels of chromium detected in shallow groundwater and formerly in soil at both sites are above DTSC's protective standards and require further cleanup to protect public health and the environment. DTSC has previously investigated, conducted and completed several site response actions at both sites.

## **Soil Cleanup Activities Completed July 2008**

As previously announced in July 2008, DTSC successfully completed soil cleanup activities at both sites. At J&S, about 7,500 cubic yards and at former CCC, about 3,750 cubic yards of contaminated soil was excavated, removed and transported off-site during school breaks. Contaminated soil was transported to an approved disposal facility. Ten (10) Infiltration Cells were also installed on-site to chemically fixate chromium VI, using a calcium polysulfide solution (CPS), and transform it to chromium III, which occurs naturally in the environment.

## **Approved Groundwater Treatment Plans**

To address remaining contaminated shallow groundwater impacts at both sites the J&S and CCC sites, the construction of six (6) discrete elements were approved as follows:

### ***Treatment of Soil Source Area (Element 1)***

Infiltration galleries were installed to allow for injection of CPS. CPS will be pumped into the infiltration galleries to treat any residual chrome VI left in the soil at depth.

### ***In-Situ (In Place) Treatment Using Reactive Barriers (Elements 2a, 3a, 4 and 5)***

To treat the highest levels of chromium in the groundwater, in-situ (in-place) reactive barriers filled with CPS will be established at Elements 2a, 3a, 4 and 5 so it can treat contaminated groundwater flowing through it.

### ***Treatment of Leading Edge of Groundwater Plume Using Reactive Barriers (Element 6)***

To treat this area of the plume a passive, in-situ reactive barrier is also planned. Each reactive barrier will be saturated with diluted CPS solution so it can treat contaminated groundwater flowing through it.

## **Groundwater Treatment Activities Update**

The groundwater treatment is progressing as planned. Under DTSC's oversight, the state contractor is successfully constructing the groundwater treatment systems' elements per the approved remedial design. Groundwater treatment is anticipated to take about three (3) years, during which time DTSC will monitor the system on a monthly/quarterly basis.

## **Where to View Project Documents**

Project and other supporting documents can be viewed at the following Information Repositories:

Bell Gardens Library  
7110 Garfield Avenue  
Garfield, CA 90201-3244  
(562) 927-1309  
Sunday – Monday - Closed  
Tues – Thurs 10:00AM – 7:00PM  
Friday – 10:00AM – 6:00PM  
Saturday – 10:00AM – 5:00PM

Commerce Central Library  
2535 Commerce Way  
Commerce, CA 90040-1410  
(323) 722-4805  
Mon – Thurs 10:00AM – 8:00PM  
Friday – 10:00AM – 6:00PM  
Saturday – 10:00AM – 2:00PM  
Sunday – Closed

Department of Toxic Substances Control  
5796 Corporate Avenue  
Cypress, CA 90630-4732  
(714) 484-5337  
Mon – Fri 8:00AM – 5:00PM  
Please contact Ms. Julie Johnson at the number above to make an appointment.

## **Project Schedule**

Construction is expected to continue through June 2010. Groundwater treatment activities will not impact students, faculty or staff, and are safe to occur during active school periods.

**Who to Contact at DTSC for Information**

If you have any questions about the project please contact:

Mr. Al Shami, Project Manager  
Department of Toxic Substances Control  
5796 Corporate Avenue  
Cypress, CA 90630-4732  
(714) 484-5472  
E-mail: [ashami@dtsc.ca.gov](mailto:ashami@dtsc.ca.gov)

**For Media Inquiries**

Ms. Jeanne Garcia, Public Information Officer  
Department of Toxic Substances Control  
9211 Oakdale Avenue  
Chatsworth, CA 91311-6520  
(818) 717-6573  
E-mail: [jgarcia1@dtsc.ca.gov](mailto:jgarcia1@dtsc.ca.gov)

**Notice to Hearing Impaired**

TDD users can contact the California Relay Service at 1-888-877-5378 to reach Stacey Lear, DTSC Public Participation Specialist at (714) 484-5354 or toll-free 1-866-495-5651.

*For more information about our department, please visit our website [at www.dtsc.ca.gov](http://www.dtsc.ca.gov).*