

**Chromium in the San Fernando Valley
Groundwater Basin (Panel Discussion)-
Response to Contamination**

**Chromium Workshop
Glendale Civic Auditorium
March 10, 2008**

**California Regional Water Quality Control Board
Los Angeles Region**

San Fernando Valley Chromium 6 Investigation

➤ Goal

- Identify sites that have used heavy metals, especially Chromium 6-
develop a multi-agency database.
 - Regional Board staff reevaluated 4,040 cases.
 - 255 Suspected RB Chromium 6 sites identified.
 - All sites inspected in 2001.
 - A Phase I report was published in 2002.
 - 7 active sites impacted with Chromium 6 issued CAO's.

Phase II Chromium 6 Investigation

- 2003 – After a review of the findings from the inspection phase (255 sites), 144 cases were granted No Further Requirement status.
- 2003- USEPA provided 2 consultants to assist the Regional Board with investigating the 111 suspected Chromium sites.
- 2004 - In February, 5 more cases closed.
- On March 14, 2004, 106 assessment letters (CWC 13267) issued requiring a shallow soil investigation to 25 feet.
- Require soil remediation at impacted sites and a groundwater assessment, when necessary.

Phase II: Chromium Soil Investigation (Continued)

- 2005 - An additional 28 sites were found after follow-up field interviews with long-term metal platers. These cases were transferred to DTSC on December 6, 2005.
- 2006 - On February 8th local agencies, RB staff, DTSC, and DPH met with USEPA to discuss a joint approach to addressing the chromium groundwater threat.
- Regional Board staff have put together a chronology of events, in our upcoming Poster Session.

Results of the Phase II Chromium 6 Soil Investigation

- No soil impact found at 72 of the 106 sites which were therefore closed.
- Minor to significant amounts of contamination found at 14 Sites. Remediation directives given and are being implemented, or Deed Restrictions will be filed.
- 7 Cleanup & Abatement Orders issued. One (Drilube) has since been transferred to USEPA and 2 revised to include water replacement provision. There will be at least 2 more CAOs issued later this year.

Enforcement Action Taken

The following sites have been issued a CAO:

- Honeywell (former Allied Signal)
- Lockheed Martin Corporation
- ITT Industries
- Menasco (Division of Coltec Industries)
- Courtaulds Aerospace (PRC De Soto)
- Drilube, Inc.
- Former Excello Plating Company

Phase III of the Chromium 6

Investigation: Cleanup at Impacted Sites

- On March 1, 2007, The Regional Board adopted Revised General Waste Discharge Requirements (WDR's) permitting the use of remediation technologies at Chromium 6 impacted sites, such as:
 - Chemical fixation
 - Chemical Reduction (e.g., Calcium Polysulfide)
 - Bioremediation (e.g., Molasses)
- More information on the WDR will be provided at the Poster Session.