



October 6, 2011

# California Regional Water Quality Control Board Los Angeles Region Samuel Unger, Executive Officer

## Executive Officer's Report

*The Executive Officer's Report is not intended to be an exhaustive list, but rather highlights of Regional Board staff activities from the previous month.*

*Executive Office*

### **Regional Board Management Shares California Regional Water Quality Control Board Strategies and Successes with the Minister of Taiwan's Environmental Protection Administration**

Deborah Smith

On August 17, 2011, Dr. Stephen Shu-Hung Shen, Minister of Taiwan's Environmental Protection Administration as well as his Senior Officer and two other executives visited executive management at the Los Angeles Regional Water Quality Control Board. The Minister and his staff spent several hours talking with EO, Sam Unger and Chief Deputy EO, Deb Smith - - exchanging examples of challenges and strategies to address water quality and water management issues. This meeting was followed with more detailed discussions with several other managers and staff. Both agencies expressed interest in continuing the dialogue on an ongoing basis.

*Our mission is to preserve*

*and enhance the quality of*

*California's water resources*

*for the benefit of present and*

*future generations.*

Phone: 213-576-6600

Fax: 213-576-6640

320 W. 4th Street, Suite 200  
Los Angeles, CA 90013



Photo by Don Tsai

## *Regional Programs*

### **Inner Cabrillo Beach Enhanced Circulation Pilot Project**

Dr. L.B. Nye

The final compliance deadline for the Port of Los Angeles, Inner Cabrillo Beach bacterial indicators TMDL was March 2010. Currently, Inner Cabrillo Beach consistently fails to meet water quality standards and the TMDL.

The City of Los Angeles Bureau of Sanitation (LABOS) is developing options for improving circulation at Inner Cabrillo Beach by conducting field tests of pumps and pumping regimes.

On August 24, 2011, Regional Board staff met with staff from LABOS and Weston Solutions at Inner Cabrillo Beach to observe the City's current efforts, equipment placement, and test conditions. LABOS intends to, first, replicate the test conditions and parameters used by the Regional Board and the Southern California Coastal Water Research Project in the 2004 Inner Cabrillo Beach Bacteria Study.

On August 25, 2011 and August 31, 2011, LABOS in conjunction with Weston Solutions conducted water quality sampling, observations, and testing at Inner Cabrillo Beach before, during, and after circulations pumps were activated to test enhanced circulatory effectiveness on reducing indicator bacteria counts. Preliminary testing has shown some promising results. Another sampling and testing run was scheduled on September 8, 2011. Based on observational and testing results, additional sampling and testing may occur in the future for BMP design, operational, or placement optimization.

### **Recreational Use Monitoring in the Los Angeles River Watershed**

Ginachi Amah

Regional Board staff conducted recreational use monitoring of a number of engineered channels within the Los Angeles River Watershed around the Labor Day Weekend – September 2-3, 2011. The purpose of the monitoring was to document the recreational activity in and adjacent to the channels, along with the physical conditions of the channels. Twelve sites were monitored along Compton Creek, Arroyo Seco, Rio Hondo, and the Los Angeles River.

This was a follow-up to the larger coordinated monitoring effort conducted around the Fourth of July Weekend – July 1 and 4, 2011 – during which forty sites throughout the lower and upper watershed were monitored by staff and volunteers from the Los Angeles and San Gabriel Rivers Watershed Council, Friends of the Los Angeles River, Generation Water, the City of Burbank, and the Regional Board. Both monitoring exercises are part of the on-going recreational use re-evaluation of engineered channels in the Los Angeles River Watershed. For more information, please contact Dr. Ginachi Amah at (213) 576-6685 or [gamah@waterboards.ca.gov](mailto:gamah@waterboards.ca.gov).

### **Caltrans Inspections**

Ivar Ridgeway

In August 2011, PG Environmental, an USEPA contractor, conducted compliance inspections of 5 project sites and 2 maintenance facilities to evaluate compliance of the project sites with the current statewide storm water permit for construction activities (Order No. 2009-0009-DWQ), which is incorporated by reference in Provision H.2 of the Caltrans permit and to evaluate maintenance facilities in accordance with Provision I.3 of the Caltrans permit.

Regional Board staff is currently evaluating the inspection reports to determine the appropriate follow up action(s) for each inspection.

### **Ventura River Nutrients TMDL**

Jenny Newman

Regional Board staff is developing a TMDL to address impairments due to nutrients, algae, and eutrophic conditions in the Ventura River watershed. The consent decree requires EPA to approve this TMDL by March 2013. Regional Board staff has been meeting with stakeholders to collect data, identify data gaps, and share information for the development of the TMDL. In that vein, Regional Board staff attended an August 23, 2011 meeting of the Ventura River Watershed Council, where staff updated various stakeholders in the watershed on the progress of the TMDL. Regional Board staff intends to bring this TMDL to the Board for consideration in Spring 2012.

### **Conditional Waiver for Discharges from Irrigated Lands**

Jenny Newman

Regional Board staff in the Irrigated Lands Regulatory Program have been focusing on enrolling growers under the Conditional Waiver for Discharges from Irrigated Lands. The Board renewed the waiver in November 2010 and required dischargers to enroll by April 7, 2010. In the previous waiver term, Los Angeles County struggled with low enrollment. In an effort to increase enrollment, Regional Board staff sent hundreds of notices to enroll and held workshops prior to the enrollment deadline. This effort was successful, but there are still numerous growers who have not enrolled in the program or responded to notices. Therefore, staff sent follow up notices to these growers and responded to hundreds of calls to determine the applicability of the Conditional Waiver to growers and to encourage enrollment in the program as needed. Most recently, staff has been conducting follow up inspections of properties to determine if they need to enroll in the program. In Ventura County, staff participated in several workshops in June and July 2011 to maintain the high levels of enrollment and increase implementation of BMPs. Staff will continue to meet with stakeholders in both Los Angeles and Ventura Counties on an ongoing basis to ensure successful implementation of the Conditional Waiver program

### *Watershed Management*

Staff attended a workshop sponsored by the State Coastal Conservancy presenting the results of various projects and studies involving the Santa Clara River Parkway which is the stretch of river in Ventura County; the Coastal Conservancy is pursuing acquisition of parcels along the river for preservation and restoration purposes. Of interest was a presentation on the findings of a recently completed historical ecology study of the lower Santa Clara River. Historical ecology is a fairly recently developed discipline that has previously been applied to the San Gabriel River. The idea is to use historical maps, photos, drawings, herbarium records, traveler logs, and other historical accounts prepared prior to major development of an area (generally, the 1800s) in order to gain an understanding of the historic morphology, hydrology, and riparian ecology of rivers, and better fulfill the restoration potential of rivers.

The study found that the Santa Clara River had previously flooded onto the Oxnard Plain as late as 1812; some of the coastline's existing lagoons are remnants of former river mouths. During the 1800s, the river was as wide as one-half to one mile which is 50% greater than its current width constrained by development. The river's mouth was also much wider than it is today and reached to within one mile of the Ventura River mouth to the north. The study found an alternating pattern of perennial and intermittent reaches historically; current-day flow patterns are somewhat similar. There were willow/cottonwood forests, some vast, in areas of rising groundwater; the forests persisted after floods and still exist today but to a much lesser extent. The report is available for download at [www.santaclarariverparkway.org](http://www.santaclarariverparkway.org).

More information about the Regional Board's watersheds can be found at [http://www.waterboards.ca.gov/losangeles/water\\_issues/programs/regional\\_program/index.shtml#Watershed](http://www.waterboards.ca.gov/losangeles/water_issues/programs/regional_program/index.shtml#Watershed).

## *Groundwater Permitting and Land Disposal Program*

### **Land Disposal Staff Attended Workshop for Statewide Order for Composting Facilities**

Enrique Casas

Land Disposal staff (Enrique Casas and Douglas Cross) attended a workshop at Chino conducted by State Water Resources Control Board (State Water Board) staff on August 31, 2011 to discuss proposed concepts for a statewide order for composting facilities. A statewide conditional waiver for green waste composting (defined as vegetative waste, and some food processing waste, agricultural waste, and paper waste) facilities was in effect from 1994 until 2003, when Senate Bill SB 390 changed California Water Code, sections 13269 and 13350, making the waiver void, by requiring all waivers be renewed and re-adopted every five years or replaced with waste discharge requirements (WDRs). The current practice is for Regional Boards to issue individual WDRs for larger composting facilities. The State Water Board is developing substantive conditions for a statewide waiver that would address appropriate water quality protection measures at composting facilities in response to an expectation that there will be more composting facilities proposed and an increase in the variety of materials being composted to comply with waste diversion rates mandated by State law.

The preliminary goals of a statewide order are to protect water quality and beneficial uses by focusing on groundwater recharge areas and areas within 300 feet of a groundwater supply wells; to identify water quality protection measures (WQPMs) that can effectively be implemented as part of a streamlined regulatory process and coverage under a statewide order; tier the WQPMs for protection of water quality to reflect factors at composting facilities such as waste type and potential impact to groundwater; harmonize the requirements with composting and waste diversion regulations under the authority of the California Department of Resources Recycling and Recovery (CalRecycle); and provide the ability for composting facilities that do not meet the criteria in the statewide order to be issued individual waivers or WDRs that rely on engineered alternatives to protect water quality. Land Disposal staff will continue to work with State Water Board staff to develop composting regulations for effective implementation in the Region.

### **International Outreach - Participation of the Fourth Symposium on Global Emerging Environmental Challenges and Government Response**

Eric Wu

The Fourth Symposium on Global Emerging Environmental Challenges and Government Response was held by the Southern California Chinese American Environmental Protection Association (SCCAEPA) from August 18 through 20, 2011 in the City of San Gabriel. Sessions relating to water quality in this symposium included emerging water quality issues and regulatory update, brownfield redevelopment, soil and groundwater remediation, surface water management, green technology, innovative technology, and environmental and society. In addition to the Minister of Taiwan Environmental Protection Administration, Dr. Stephen Shu-Hung Shen, and former Secretary of California EPA, Ms. Linda Adams, the Regional Board staff from Groundwater Permitting (WDR) Program, Underground Storage Tank (UST) Program, and Watershed Regulatory (NPDES) Program also actively participated and presented the regulatory updates and case studies of various Programs in this Symposium, including Dr. Rebecca Chou, Dr. Eric Wu, Dr. Yi Lu, and Dr. Don Tsai.

**Summary of General Waste Discharge Requirements Enrolled and Terminated**

Rosie Villar and Rebecca Chou

From August 11, 2011 to September 8, 2011 - two dischargers enrolled under the general Waste Discharger Requirements (WDR) and six WDR were terminated. The table below contains a breakdown for each category of general WDR.

		Project Manager	Date of Coverage	Date of Revision	Termination
<b>A.</b>	<b>General WDR Discharge for Groundwater remediation at petroleum Hydrocarbon fuel and/or volatile organic compound impacted sites (Order No. R4-2007-0019)</b>				
1.	Park's Auto, Hawthorne - CI 9616	Ann Chang			8/19/11
2.	Former Chevron Station 9-3493, Simi Valley - CI 9516	Ann Chang			8/19/11
3.	E & F ARCO Gas , Lawndale - CI 9226	Ann Chang			8/19/11
4.	Former Gas To Go Facility, Los Angeles CI 9547	Ann Chang			8/19/11
5.	O.J. Plumbing Co., Los Angeles - CI 9608	Ann Chang			8/19/11
<b>B.</b>	<b>General WDR for Groundwater Remediation at Petroleum Hydrocarbon fuel and/or volatile organic compound impacted sites - (Order R4-2005-0030)</b>				
1.	Former Thrifty Station No. 249, Culver City - CI 9227	Ann Chang			8/19/11
<b>E.</b>	<b>General WDR for small commercial multi-family residential subsurface sewage disposal systems (Order No. 01-031)</b>				
1.	Malibu Racquet Club, Malibu - CI 9677	David Koo	8/12/11		
2.	Tom Barber Golf Centers LLC, Moorpark CI 9709	Mercedes Merino	8/15/11		

**Summary of Inspection Reports**

Rosie Villar and Rebecca Chou

From August 11, 2011 to September 8, 2011, staff conducted nine pre-permitting and annual inspections.

	Date Issued	Permittee	Project Manager
1.	5/31/11	Malibu Pier WTP, CI 8456	Mercedes Merino
2.	6/09/11	Malibu High School, CI 9744	David Koo
3.	6/09/11	Malibu High School (Pool), CI 9710	David Koo
4.	6/23/11	Todd Rd. County Jail WWTP, CI 7418	Mercedes Merino
5.	7/12/11	Malibu Inn Restaurant, CI 9734	David Koo
6.	7/22/11	Carmen Tebbe-Single Fam, CI 9686	Mercedes Merino
7.	8/10/11	Toland Road Landfill, CI 5644	Enrique Casas
8.	8/19/11	Sunshine Canyon Landfill, CI 2043	Wen Yang
9.	8/30/11	Toland Road Landfill, CI 5644	Enrique Casas

**Summary of Notice of Violations**

Rosie Villar and Rebecca Cho

From August 11, 2011 to September 8, 2011, Executive Officer issued three Notices of Violation for WDRs violations.

	<b>Date Issued</b>	<b>Permittee</b>	<b>Project Manager</b>
1.	8/17/11	Emerald Bay Boy Scouts Camp, CI 8348	David Koo
2.	8/19/11	Sierra Canyon School, CI xxxx	Eric Wu
3.	9/06/11	Fox Landing, CI 8983	Ann Chang

**Participation of the Technical Advisory Committee Meeting for Malibu Centralized Wastewater Project**

Eric Wu

On September 12, 2011, staff attended the Technical Advisory Committee Meeting for the development of the Malibu centralized wastewater treatment plant (Facility). The meeting provided an update of the Memorandum of Understanding (MOU) regarding the prohibition of on-site wastewater disposal systems in the Malibu Civic Center area, and the current design of the proposed plant and siting. As required by the MOU, the discussion focused on the alternatives to reuse, recycle or store the water after being treated.

The effluent from the Facility to be reused is estimated to be in a magnitude of 600 acre-feet per year. Considering the potential reuse at multiple locations for irrigation, possible storage at Pepperdine University, and percolation capacity, the Facility still requires other methods to dispose its effluent. Besides ocean discharge, and export to other existing municipal wastewater treatment plants, deep well injection may be another viable option. Participants discussed the geology and topography of the soil of the tentative injection sites, and the potential migration path and its impact to soil, groundwater and Santa Monica Bay. Staff also provided the procedure and time frame of applying for Waste Discharge Requirements (WDR) or National Pollutant Discharge Elimination System (NPDES) permit, depending on the discharge to land or surface water, for the pilot test study and construction.

*Watershed Regulatory Program*

**Stakeholder Workshop of Santa Clara River Estuary Subwatershed Study Final Report – City of Ventura**

**Dr. Don Tsai**

Regional Water Board staff attended a stakeholder workshop regarding the Santa Clara River Estuary (Estuary) Subwatershed Study Final Report (Final Report) on August 18, 2011. This workshop was hosted by the City of Ventura at its City Hall. Also attending the workshop were representatives from the City of Ventura’s consulting firm, resource agencies, environmental groups, and other interested parties. The Regional Water Board suggested that the City of Ventura hold this workshop to hopefully gain consensus among stakeholders regarding how best to move forward given the alternatives presented in the Final Report. At this workshop, the City of Ventura’s consulting firm 1) summarized the comments received through the public comment period, 2) discussed additional information that will be added to the Updated Final Report, 3) solicited input from stakeholders on the alternatives, and 4) highlighted data gaps that still need to be addressed.

The Final Report, required by the Order No. R4-2008-0011 adopted by the Regional Water Board on March 6, 2008, is supposed to identify the best use(s) of the tertiary-treated wastewater generated from the Ventura Water Reclamation Facility to protect the health of the Estuary. The Final Report was received by this Regional Water Board on March 7, 2011. At the request of stakeholders, the Regional Water Board approved extending the deadline for public comments on the Final Report until July 15, 2011. An updated Final Report, incorporating the comments collected, is due to the Regional Water Board by September 16, 2011. In addition, the input received during the comment period and at this workshop will be used to help broaden and deepen the Updated Final Report and to develop a new recommendation memorandum for submittal to the Regional Water Board.

*Compliance and Enforcement Program*  
*Enforcement Unit*

**NPDES Facility Inspections**

Enforcement Unit NPDES inspector conducted inspections at 7 Minor facilities with NPDES Permits from September 1, 2011 to October 6, 2011. Inspection of these facilities is a required part of the NPDES program.

*13267 Orders*

**13267 Order to Submit Information No. R4-2011-0146** was issued to the City of Oxnard on September 8, 2011 for the September 2, 2011 unpermitted discharge of primary effluent at the Oxnard Wastewater Treatment Plant. The Discharger has until October 10, 2011 to submit the required information and report to the Regional Board.

*Supplemental Environmental Project – Stipulation and Order*

**Stipulation and Order on Settlement Offer No. R4-2008-0044-M** was issued to D.R. Horton Los Angeles Holding Company, Inc. (Permittee) on September 8, 2011, in the amount of \$360,000 of which \$187,500 shall be contributed to fund the County of Ventura Environmental Health Division's Supplemental Environmental Project (SEP) entitled *Ocean Water Quality Monitoring Program*. The Permittee has until October 10, 2011 to pay the remaining \$172,500 liability and \$3,000 in Regional Board oversight costs.

*Expedited Payment Program*

**Stipulated Order On Settlement Offer No. R4-2011-0105-M** was issued to Certified Alloy Products, Inc. (Permittee) on August 18, 2011 in the amount of \$33,000 for alleged effluent violations of Regional Board Order No. R4-2009-0047, NPDES No. CAG994003 for 3245 Cherry Avenue, Long Beach, CA. On August 29, 2011, the Regional Board received payment in full.

**Stipulated Order on Settlement Offer NO. R4-2010-0191-M** was issued to City of Beverly Hills on August 11, 2011 in the amount of \$54,000 for alleged effluent violations of Regional Board Order Nos. R4-2003-0111 and R4-2008-0032, NPDES No. CAG994004 for Parking Site "A" South. The payment was received on June 30, 2011.

**Stipulated Order on Settlement Offer NO. R4-2011-0108-M** was issued to Chevron U.S.A. Inc. on September 7, 2011 in the amount of \$6,000 for alleged effluent violations of Regional Board Order No. 96-018, NPDES No. CA0059293 for Van Nuys Terminal. The Permittee has until September 17, 2011 to submit the payment.

**Stipulated Order On Settlement Offer No. R4-2008-0189-M** was issued to the Crestview Mutual Water Company on August 11, 2011, in the amount of \$3,000 for alleged late reporting violations of Regional Board Order No. R4-2003-0108, NPDES No. CAG994005 for Water Well No. 6. On July 8, 2011, the Re-

gional Board received payment in full.

**Stipulated Order On Settlement Offer No. R4-2010-0006-M** was issued to the EDCO Stations Incorporated on August 30, 2011, in the amount of \$6,000 for alleged late reporting violations of Regional Board Order No. R4-2008-0032, NPDES No. CAG994004 for Carson Mini Truck Stop Remediation Project. On September 9, 2011, the Regional Board received payment in full.

**Settlement Offer No. R4-2011-0134-M** was issued to the City of Thousand Oaks on August 15, 2011 in the amount of \$9,000 for alleged effluent violations of Regional Board Order No. R4-2003-0083, NPDES Permit No. CA0056294 for Hill Canyon Wastewater Treatment Plant. Revised Settlement Offer was issued on August 29, 2011 in the adjusted amount of \$6,000. The Permittee has until September 28, 2011 to respond.

**Settlement Offer No. R4-2011-0129-M** was issued to the City of Santa Monica (Permittee) on August 25, 2011, in the amount of \$3,000 for alleged effluent violations of Regional Board Order No. R4-2008-0032, NPDES No. CAG994004 for Santa Monica Water Treatment Plant. The Permittee submitted a signed waiver on September 8, 2011.

**Settlement Offer No. R4-2011-0131-M** was issued to Calleguas Municipal Water District (Permittee) on August 25, 2011, in the amount of \$18,000 for alleged effluent violations of Regional Board Order No. R4-2008-0032, NPDES No. CAG994004 for Phase 1E Brine Line Project. The Permittee has until September 26, 2011 to respond.

**Stipulated Order On Settlement Offer No. R4-2011-0117-M** was issued to Calleguas Municipal Water District (Permittee) on August 30, 2011, in the amount of \$9,000 for alleged effluent violations of Regional Board Order No. R4-2003-0108, NPDES No. CAG994005 for Well Field No. 1. On September 7, 2011, the Regional Board received payment in full.

**Settlement Offer No. R4-2011-0132-M** was issued to Covina Irrigating Company (Permittee) on August 15, 2011, in the amount of \$6,000 for alleged effluent violations of Regional Board Order Nos. R4-2005-0071 and R4-2010-0197, NPDES No. CA0060577 for William B. Temple Water Treatment Plant #1. The Permittee submitted a signed waiver on August 19, 2011. On August 23, 2011, the Regional Board received payment in full.

**Settlement Offer No. R4-2011-0156-M** was issued to the Port of Los Angeles on September 12, 2011 in the amount of \$108,000 for alleged effluent violations of Regional Board Order No. R4-2006-0086, NPDES Permit No. CA0064157 for New Dock Street Pump Station. The Permittee has until October 12, 2011 to respond.

**Settlement Offer No. R4-2011-0135-M** was issued to The Metropolitan Water District of Southern California on August 12, 2011 in the amount of \$9,000 for alleged effluent violations of Regional Board Order No. R4-2008-0032, NPDES Permit No. CAG994004 for Greg Avenue Hydroelectric Power Plant. The Permittee has until September 12, 2011 to respond.

**Settlement Offer No. R4-2011-0135-M** was issued to Amir Development Company on August 17, 2011 in the amount of \$18,000 for alleged effluent violations of Regional Board Order No. R4-2008-0032, NPDES Permit No. CAG994004 for Wilshire/Carson Office Building. The Permittee has until September 16, 2011 to respond.

**Settlement Offer No. R4-2011-0133-M** was issued to Casden Properties, LLC on August 17, 2011 in the amount of \$24,000 for alleged effluent violations of Regional Board Order No. R4-2008-0032, NPDES Permit No. CAG994004 for Doheny 9090 Wilshire Building. The Permittee has until September 16, 2011 to respond.

**Settlement Offer No. R4-2011-0136-M** was issued to Montrose Chemical Corporation of California on August 17, 2011 in the amount of \$6,000 for alleged effluent violations of Regional Board Order No. R4-

2008-0032, NPDES Permit No. CAG994004 for the Former Montrose Facility & Montrose-Del Amo Superfund Sites. The Permittee has until September 16, 2011 to respond.

**Settlement Offer No. R4-2011-0142-M** was issued to Lois M. Fisher Trust on August 29, 2011 in the amount of \$27,000 for alleged effluent and reporting violations of Regional Board Order No. R4-2008-0032, NPDES Permit No. CAG994004 for the Fisher Property, 3800-3832 West 6<sup>th</sup> Street. The Permittee has until September 28, 2011 to respond.

*Stormwater Compliance & Enforcement*  
*Summary of Database Management*

Preparation for Paperless Office  
Harumi Goya

We are going to implement Paperless Office starting on November 1, 2011. A notice of Paperless Office will be sent out via email shortly to all owners of active industrial and construction sites, and the MS4 contacts for asking their cooperation. Contact information for approximately 120 municipal, 2,800 industrial and 1,300 construction sites was pull out from SMARTS, internet, and our local database. It is now compiled as three contact lists by the permit types. Our staff and interns have been working on completing and updating the lists. As of September 12, 2011, 90% of municipal, 56% of industrial and 62% of construction contact lists are updated.

**Stormwater Compliance and Enforcement - Work Output from August 10 to September 9, 2011**

Ejigu Solomon and Harumi Goya

**1 Benchmark Exceedance Letters was re-sent:**

Wdid	Issuance Date	Facility Name	Type
4 19I005966	8/18/11	Fed Ex	Industrial

**3 Notices of Non-Compliance were issued:**

Wdid	Issuance Date	Facility Name	Type
4 19I022478	8/15/11	Falcon Refuse Center	Industrial
Non-Filer	8/31/11	La Puente Redevelop Agency	Industrial
Non-Filer	9/9/11	Liberty Metals	Industrial

**7 Notices of Violation were issued:**

Wdid	Issuance Date	Facility Name	Type
4 19C360051	8/11/2011	Pasadena Unified School District	Construction
4 19I018496	8/18/11	Conway Coating Corp	Industrial
4 19I000107	8/23/11	Ajax Forge Co	Industrial
4 19I011645	8/24/11	Globe Used Auto Parts	Industrial
4 56I017340	8/26/11	Fillmore Piru Citrus Assoc	Industrial
4 19I012806	8/30/11	Alcast Foundry Inc	Industrial
4 19I023251	8/30/2011	RockTenn CP LLC Bottom of Form	Industrial

**2 Notices to Comply were issued::**

<b>Wdid</b>	<b>Issuance Date</b>	<b>Facility Name</b>	<b>Type</b>
4 19I021543	8/10/11	Hannibal Industries INC	Industrial
4 19I021997	9/7/11	Statewide Metals Co Inc	Industrial

*Remediation Program*

*Site Clean Up I*

**Former Western Metal Lath, La Mirada**

David Young

The Former Western Metal Lath facility, located in La Mirada, California, has been impacted by releases of 1,1,1-trichloroethane (1,1,1-TCA), which was used and stored at the subject site. The Regional Board issued a California Water Code (CWC) section 13267 Order to the responsible party (RP) dated January 19, 2011, requiring submittal of technical documents for the investigation and monitoring of impact to soil, soil-gas, and groundwater. In addition, Regional Board staff has held multiple meetings with the site RP, attorney, and consultants in an effort to expedite the required investigation work. A soil and soil-gas investigation report dated April 2011 indicated that the lateral and vertical extent of contamination in the vadose zone was not adequately defined. A work plan dated July 2011 for further investigation of the vadose zone was submitted to and approved by the Regional Board in August 2011. A technical report presenting the results of the work plan implementation will be submitted by November 30, 2011.

**The Boeing Company, Former C-6 Facility, Los Angeles**

Ana Townsend

Under the oversight of the Los Angeles Regional Water Quality Control Board, a comprehensive environmental assessment and remediation program is in progress at the 170-acre, Boeing former aircraft manufacturing facility in Los Angeles. Based on the results of multi-phase remediation activities performed, the Regional Board has provided no further action determinations for 120 acres of deep soil and all 170 acres of shallow soil at the site, which has allowed for redevelopment of the entire facility into a master planned business center - Harbor Gateway. Ongoing program activities include pursuing closure for an SVE system and a no further action determination for the remaining 50 acres of deep soil. Additionally, the construction of a site-wide groundwater Pump & Treat system will begin in early 2012 in accordance with a LARWQCB-approved Remedial Action Plan, and will be followed by the full-scale operation and maintenance of the system later in the year. All of the ongoing activities are being performed without any significant disruptions to active business operations at the site.

*Site Clean Up II*

**Dominguez Channel Release, Carson**

Greg Bishop

LNAPL has been day lighting within the bottom of the Dominguez Channel south of Carson Street in Carson, California, since January 2011. Los Angeles County Department of Public Works (LADPW) owns the channel and is responsible for operating containment booms and sorbent pads to control surface sheen migration within the channel. USEPA had been leading a group of State and local regulatory agencies in controlling and determining the source of the channel release. In April 2011, the Regional Board took charge of the project and issued investigative orders to multiple parties.

The LNAPL was initially assumed to have been originating from a Plains pipeline directly beneath the location where the LNAPL daylighting is occurring in the channel. However, the pipeline carries crude oil and the daylighting product is dominantly lighter-end gasoline-range hydrocarbons, with a small fraction of heavier-end compounds. In addition, the Plains pipeline underwent and passed pressure and tracer tests, indicating that it is likely not an active source of LNAPL release to the channel.

Regional Board staff have identified and begun investigating other possible sources of the release:

1. An operating gasoline station (Unocal 76 station) with known LNAPL in groundwater west of the channel.
  2. A series of five pipelines that extend beneath the channel from the north within Perry Street (one of these lines is the Plains crude oil line).
  3. A known dissolved-phase gasoline pipeline release within Perry Street northeast of the channel and adjacent to a series of pipelines (within Perry Street) that extend to and beneath the channel.
  4. An inactive gasoline station (former Texaco) northeast of the channel and adjacent to a series of pipelines (within Perry Street) that extend to and beneath the channel.
  5. An inactive gasoline station (former Humble Oil) northeast of the channel and adjacent to a series of pipelines (within Perry Street) that extend to and beneath the channel.
  6. A former RV manufacturing facility (former Carson Air Harbor) with a former septic system that was converted to a waste oil tank. This site has detected LNAPL in a groundwater monitoring well. This site is adjacent to a series of pipelines (within Perry Street) that extend to and beneath the channel.
  7. Pipelines adjacent to the east side of the channel, along the west side of Carson Air Harbor.
  8. A former RV service facility (former Active RV) adjacent to a series of pipelines (within Perry Street) that extend to and beneath the channel.
  9. Three petroleum pipelines along the west side of the channel.
  10. Petroleum pipelines within Recreation Road, west of the channel.
  11. Undocumented fuel tanks at Go Kart World, west of and adjacent to the channel.
  12. A pipeline corridor approximately 0.25 mile west of the channel with eight petroleum pipelines (there are sewer lines between the corridor and the channel release which make these lines a candidate if the sewer lines or their tranches are a transport mechanism).
13. A similar release that occurred near Del Amo Street and the Dominguez Channel c. 1998.

In addition, the Dominguez Channel infrastructure includes a subdrain system: a set of horizontal perforated pipes within each levee. LNAPL has been detected within the subdrain systems along both the east and west banks of the levee. Regional Board staff are concerned that these subdrain systems are serving as an LNAPL transport mechanism.

During June, July, and early August 2011, the Regional Board took the following actions:

- Regional Board staff approved a work plan resulting in BP Pipelines installing four groundwater monitoring wells in the vicinity of the Dominguez Channel.
- Regional Board staff approved a work plan resulting in Tesoro Refining and Marketing Corporation installing two groundwater monitoring wells within the western levee of the Dominguez Channel.
- Regional Board staff approved several work plans resulting in Resource Environmental, LLC (RELLC) installing dozens of wells and other data collection points within both channel levees, within the floor of the Dominguez Channel itself, and at the former Carson Air Harbor and

active Unocal 76 properties near the Dominguez Channel. RELLC is performing work on behalf of Shell Oil Products US and Chevron Environmental Management Corporation.

- Regional Board staff approved a work plan resulting in RELLC evaluating, monitoring, and installing measures to contain the LNAPL within both levee subdrain systems.

Field work to implement the approved work plans has been occurring throughout August and early September. The initial round of data submittals from the work being performed is anticipated in the near future. Regional Board staff anticipate that a substantially better understanding of the nature and distribution of contaminants affecting the Dominguez Channel will be obtained at that time.

Other agencies involved in regulating or monitoring the release include the USEPA, Los Angeles County Fire Department, California Department of Fish and Game, South Coast Air Quality Management District, CalFire, and the City of Carson.

### *Site Clean Up III*

#### **AirDrome Precision Components, Long Beach**

Angelica Castaneda

After several phases of soil and groundwater assessment, contamination beneath the site has been delineated. The contaminants of concern are mainly volatile organic compounds (VOCs). The Regional Board has approved a soil vapor extraction (SVE) pilot test to evaluate the effectiveness of this technology for the remediation of impacted soil beneath the site. Pilot testing will be conducted on two different areas at the site for four months. After completion of the pilot test, residual concentrations in soil will be evaluated. In addition, groundwater monitoring will continue.

#### **Former Kast Tank Farm Property, Carousel Residential Neighborhood Tract, Carson**

Dr. Teklewold Ayalew

On September 7, 2011 the Regional Board issued a ***Notice of Availability for Public Comment and Notice of Intent to Adopt draft Negative Declaration*** (and associated Initial Study) pursuant to the California Environmental Quality Act (CEQA) for proposed remedial excavation and in-situ pilot testing (proposed project) at the Former Kast Tank Farm Property, Carousel Tract Residential Neighborhood, in Carson, California. The Regional Board intends to adopt a Negative Declaration for the proposed project without a public hearing.

The proposed project evaluates the feasibility of the degree to which impacted shallow soils to a depth of 10 feet below ground surface (bgs) and the concrete reservoir bases (slabs) located at approximately 10 feet bgs beneath portions of the former locations of the soil storage reservoirs can be effectively removed, including beneath residential houses. The Work Plan provides an overview of potential pilot test locations, the remedial approach, a description of excavation methods to be pilot tested, a description of oxidants proposed to be injected and bioventing technology, as well as measures designed to avoid or reduce potentially significant effects on the environment. These measures include: traffic control; monitoring and mitigation of dust, vapors, and odors; noise monitoring during excavation; vibration monitoring of homes during excavation activities; monitoring of stability of excavation walls and adjacent and nearby structures; site landscape restoration; and temporary relocation of residents at affected properties during intrusive portions of pilot testing. Upon completion of the Work Plan, the CAO requires Shell to prepare a full-scale impacted soil Remedial Action Plan (RAP) for the Site. Information gained from implementation of the pilot testing activities will be used to develop and assess different potential remedial strategies, and will be incorporated into the analysis and recommendations that will be contained in the RAP for the Site. The selection of a final remedy may

be subject to additional environmental analysis and documentation prepared in accordance with CEQA.

The completed residential sampling activity as of **August 23, 2011** is as follows:

- 261 homes have been screened for methane (92%);
- 261 homes have had soils sampled and vapor probes installed (92%);
- 250 homes have had sub-slab soil vapor probes sampled (88%); and
- 42 homes have had indoor air sampled (15%).

**Former Athens Tank Farm / Ujima and Earvin Magic Earvin Johnson Regional Park, Los Angeles**

Dr. Teklewold Ayalew

**What's been done so far?**

In November 2007, the Regional Board issued an order directing assessment, monitoring and cleanup of the Site. Exxon Mobil developed work plans for these activities, which were reviewed and approved by Regional Board. The implementation of the approved work began in late April 2008. Since then an extensive sampling and analysis of all potentially impacted media have been conducted. The sampling and analysis program includes soil, soil vapor, indoor air, outdoor air, and groundwater, as well as lake water, sediment and fish tissues and are summarized below:

1. Five hundred fifty (550) shallow soil samples were collected from 188 shallow soil borings drilled to depths of 10 feet below ground surface (bgs);
2. Six hundred fifty one (651) deep soil samples were collected from borings greater than 10 feet to as deep as 170 feet bgs;
3. A total of 104 multi depth soil vapor samples;
4. Ninety seven (97) outdoor and crawl space air samples;
5. Thirty (30) indoor air samples;
6. One hundred fifty three combined CPT and UVOST borings drilled to a maximum depth of 98 feet bgs;
7. Twenty (20) membrane interface probe borings advanced to a depths of 91 feet bgs;
8. Two artificial lake investigations using
  - Twenty eight (28) composite fish tissue samples;
  - Forty two (42) surface water samples
  - Thirty six (36) lake sediment samples;

Installation of ten (10) shallow and ten (10) deep groundwater monitoring wells distributed across the former Athens Tank Farm. The wells are screened within the shallow groundwater-bearing zone and the upper part of the Exposition Aquifer, respectively.

**What's been found so far?**

Subsurface soils of the Site are impacted with petroleum hydrocarbons and other compounds including TPH, benzene, naphthalene, ethylbenzene, and lead. Overall, the concentrations detected in surface soil are low and do not pose a risk from direct contact. Higher levels of these chemicals have been found in deeper soils at some locations and are unlikely to be contacted by site visitors and workers. Elevated levels of several volatile organic compounds (VOCs) and methane are also present in subsurface soil vapor at portions of the site.

Soil vapor iso-concentration contours suggest that contaminants may have migrated offsite towards the east

and beyond Clovis Avenue. However, the indoor air and outdoor air data collected to date at the site are comparable to ambient air quality data collected throughout the Los Angeles area, indicating that subsurface soil vapor contamination has not adversely affected the air quality at the site.

Due to the significantly high concentrations of methane in soil vapor, the Regional Board requested the Los Angeles County Fire Department (LACFD) to review for Site Testing for Methane. Methane data from the indoor air samples of the 30 units at the Ujima Village Apartments and crawl-space samples from the modular buildings of the Ujima Housing Corporation or the Day Care Facility did not exceed the fire protection code of 10% of LEL. However, due to the significantly high concentrations of methane in soil vapor, the Regional Board requested the LACFD to review for Site Testing for Methane and the LACFD concurred with the regulatory oversight provided by Regional Board.

Petroleum products detected in groundwater beneath the site are located at an average depth of 42 feet beneath the surface of the ground. Due to its depth, the groundwater is unlikely to come into contact with people and is not used for drinking water.

### **Is there a health threat found in this investigation?**

No. There is no evidence to date of an immediate public health concern related to soil conditions at the site. A human health screening evaluation (HHSE) was performed for the Ujima Apartment Complex (UAC) and Ujima Housing Corporation (UHC) properties using shallow soil and indoor and outdoor air quality data. The HHSE provided a conservative estimate of potential health risk associated with potential exposure to chemicals detected during the investigation. The HHSE determined that the total cancer risk and noncancer hazard for exposure to shallow soils were within California EPA and USEPA acceptable limits. In addition, the indoor air quality at the site was comparable to those measured in outdoor air at the site and in the Los Angeles area. A subsequent HHSE for the proposed sports improvement areas in the Earvin Magic Johnson Regional Park and a Human Health Risk Assessment for the entire Park also concluded that the estimated cancer risks and noncancer hazards for Park users and employees are within regulatory acceptable levels.

However, due to the presence of certain chemicals in the fish tissue samples collected from the Park's two lakes, the California Office of Environmental Health Hazard Assessment (OEHHA) issued a Health Advisory and Safe Eating Guidelines which recommend limits on consumption for some fish species. Additional investigations are planned to evaluate the potential for subsurface soil vapor contamination adversely impacting indoor air quality under unrestricted land use scenario and the potential for soil vapor migration to adjacent properties.

### **What's happening next in the investigation?**

The next phase of the investigation includes additional testing and sampling at locations throughout and along the outer perimeter of the site, and in streets east of the site, including some residential streets. Based on the findings to date, the following Regional Board directed activities are underway:

1. To mitigate the threat to human health from vapor intrusion, the Regional Board has initiated an interim remedial action. On June 24, 2011, the Regional Board approved a Soil Vapor Extraction (SVE) pilot testing work plan. The work plan proposes pilot testing in four locations of the site that have known significant impact from petroleum hydrocarbon VOCs. The SVE pilot test will provide parameters that may be used for full-scale SVE system design, and assess vapor flow rate, effective radius of influence, mass removal rate and oxygen uptake rates. The results are due to the Regional Board by **December 2, 2011**.
2. On July 27, 2011, the Regional Board ordered methane monitoring program through measuring methane, fixed gases, volatile organic compounds (VOCs) and barometric pressure both on- and off-site. Cur-

rently a monthly monitoring for a six month period is underway. If trends are stable, the monitoring program will be changed from monthly to quarterly. After a year of monitoring, and if favorable monitoring results, the monitoring program will be changed from quarterly to semi-annually. Following a year of semi-annual monitoring trends will be re-evaluated to support an annual monitoring schedule.

3. On- and Off-site multi-depth vapor probe installation and sampling is currently underway, primarily along the eastern perimeter to assess possible off-site migration of methane and VOCs. The sampling locations also include the southern, northern and western site perimeters to assess the potential for contaminants to migrate to off-site areas. The sampling includes 81 multi-depth soil vapor sampling probes at 27 locations – where inhabited homes are above or in close proximity to suspected subsurface contamination. The results are due **October 28, 2011**.

If off-site measured vapor concentrations are found to be greater than screening levels, the pathway can be considered to be complete. In the event the pathway is complete, Exxon Mobil is required to conduct vapor intrusion evaluation using the Johnson and Ettinger (J & E) Model. The results are due to the Regional Board **within 60 days** of receipt of off-site vapor analytical data.

If the J & E model suggests vapor intrusion concerns, an expanded sampling program will be designed for site specific pathway assessment for the off-site properties (parcel by parcel or conduct sampling at individual homes and properties).

### **Paulee Body Shop Facility, Los Angeles**

Dr. Noori Alavi

Since 2003, various consultants conducted several rounds of Phase I and phase II environmental investigations at the Site. A Phase 1 Environmental Site Assessment report identified two business operations that may have impacted the Site: 1) the current automotive repair facility that has been located at the Site since 1967; and 2) former dry cleaning facility that was located at the Site from approximately 1954 through 1958. Results of the several Phase II investigations data at the Site revealed that the soil, soil vapors, and groundwater beneath the Site have been mainly impacted with volatile organic compounds (VOCs) consisting primarily of tetrachloroethylene (PCE) resulted from historical operation at the Site. PCE was detected in all soil vapor samples in concentrations ranging from 290 to 240,000 microgram per cubic meter ( $\mu\text{g}/\text{m}^3$ ). In groundwater, the maximum concentrations of the PCE (280 microgram per liter [ $\mu\text{g}/\text{L}$ ]) was detected in down-gradient monitoring well.

In February 2010, the Site characterization data was reviewed by Regional Board staff and identified some data gaps that were remaining to complete the delineation of VOCs in soil vapor and groundwater at the Site. However, Regional Board staff concurred with consultant's recommendation for developing a conceptual soil and groundwater Remedial Action Plan (RAP) for the Site. The RAP proposed the following remedial technology for VOCS impacted soil, soil vapor and groundwater beneath the Site:

- In-situ SVE remedial system was proposed for remediation of soils/soil vapor at the Site.
- Enhanced in-situ Bioremediation (EISB) in a Permeable Reactive Zone (PRZ) arrangement for impacted groundwater in down-gradient monitoring wells which has the highest concentrations of VOCs in groundwater.

To evaluate the potential threat to human health from the intrusion of subsurface VOCs into indoor air, the Site's responsible party (RP) was required to develop the Site-specific human health risk assessment (HHRA). In January 2011, the HHRA report was reviewed and commented by Office of Environmental Health Hazardous Assessment (OEHHA). HHRA report indicated that cumulative risk and hazard estimate are below target risk level of  $1 \times 10^{-5}$  and 1 based on an industrial/commercial scenario. However, for hypothetical residential and current off-Site residential, the results of the cumulative risk evaluation indicate that potential exposure to residual soil vapor and groundwater concentrations are above the target levels of  $1 \times$

10<sup>-6</sup> and 1 for residents.

To expedite soil vapor removal beneath the Site, on June 7, 2011, NOREAS Inc. on behalf of the RP prepared and submitted the request for partial approval of the RAP- Implementation of the full-scale SVE remedial system at the Site. The Regional Board staff is currently working on reviewing of the RAP, SVE pilot test results, and HHRA report and expects to complete the review and conditionally approve the proposed plan in near future.

### **Former Pacific Bell Property, Hawthorne** **Steve Rowe**

The Former Pacific Bell Property (Site) is a 3.3-acre retail commercial property located within a primarily commercial/industrial area of Hawthorne, California. From 1954 to 1984, the Site was used to manufacture photographic chemicals, including solvents. Between 1984 and 1986, the Site was used to manufacture synthetic chemicals for the production of cosmetics and detergents. Pacific Bell owned the property from 1986 to 1999, but reportedly never occupied it. Since 1999, the property has been used for sewing, storage and distribution of textiles.

Soil, soil vapor and groundwater are impacted with halogenated volatile organic compounds (VOCs), primarily trichloroethene (TCE) and tetrachloroethene (PCE) along with cis-1,2-dichloroethene (cis-1,2-DCE) and 1,1-dichloroethene (1,1-DCE). Petroleum hydrocarbons including toluene and solvents such as acetone, methylene chloride, methyl isobutyl ketone (MIBK), methyl isobutyl ketone (MEK) and vinyl acetate have also been detected in soil at the Site. Soil vapor extraction (SVE) remediation was conducted from July 1999 through August 2000 and removed approximately 551 pounds of VOCs.

Five groundwater monitoring wells (ITW-1 through ITW-5) were monitored four times between 1998 and 1999. Maximum VOC concentrations of 3,020 micrograms per liter (µg/L) TCE, 1,100 µg/L vinyl chloride and 280 µg/L 1,2,3-trichloropropane (1,2,3-TCP) were previously detected in groundwater. Due to the construction of the current warehouse building in 2000, all monitoring wells except ITW-5 were destroyed. No replacement wells have since been installed.

Groundwater beneath the Site occurs as discontinuous perched zones approximately 50 feet below ground surface (bgs) and under semi-confined conditions at approximately 62 feet bgs. During the most recent groundwater monitoring event in 1999, the potentiometric surface measured 45 to 50 feet bgs and groundwater flow was toward the west-southwest.

On June 28, 2011, Regional Board staff and management met with the responsible party, their consultant and the property owner to discuss the groundwater investigation and case status. The property owner indicated they were interested in selling the property and refinancing by January 2013, when their current loan expires. Regional Board staff informed the parties that we would prioritize and expedite our review of prior soil and soil vapor sampling and conditional approval for their proposed groundwater investigation.

Regional Board staff prepared an August 15, 2011 conditional approval letter for the installation of four monitoring wells at the Site. However, because of the complex lithology beneath the Site and possible multiple water-bearing zones, we required a detailed hydrogeologic investigation, limited screen intervals and continuous lithologic soil sampling. Following a discussion with their consultant, we received an August 23, 2011 letter request to install cone penetrometer test (CPT) borings as part of a phased approach to initially evaluate the presence of multiple water-bearing zones. Regional Board staff approved the CPT Investigation in a letter dated September 6, 2011. The planned groundwater monitoring wells will be constructed based on results of the CPT study.

### **Unitog Cleaners, 1351 Orizaba Avenue, Long Beach**

Paul Cho

Cintas Corporation signed up the Regional Board's cost recovery agreement for regulatory investigation and cleanup oversight in March 2006. Cintas sold the subject site to Granite Group in October 2005. Due to the terms of the purchase and sale agreement between Cintas and Granite Group, Regional Board staff had faced a non-payment of the oversight cost since 2008 and inaction issues by Cintas and Granite Group.

After case reassignment, Regional Board staff contacted Cintas and Granite Group in May 2011 discussing the non-payment and inaction issues. As a result, Cintas has resumed payment of the oversight cost and environmental response programs for site characterization and remediation activities, without acknowledging liability or legal responsibility of any kind. Regional Board staff issued a letter to Cintas and Granite Group requesting workplans for contaminated soil and groundwater investigations and soil vapor monitoring on August 4, 2011.

On August 9, 2011, Regional Board staff met with representatives from Cintas and Granite Group to assist and discuss technical matters related to the Regional Board's August 4, 2011 letter. Workplans for soil and groundwater characterization and human risk assessment are due by October 14, 2011.

### **Defense Fuel Support Point Norwalk Tank Farm, Norwalk**

Paul Cho

Regional Board staff participated the July 21, 2011, Groundwater Contamination Forum hosted by the Water Replenishment District to present Regional Board's regulatory control toward site redevelopment. Regional Board staff also participated the August 11, 2011, Norwalk Tank Farm Restoration Advisory Board (RAB) meeting to update regulatory oversight for the site. The RAB is an advisory committee of local citizens and project members. All RAB meetings are open to the public and are scheduled semiannually. Positive feedbacks were given to Regional Board for ongoing regulatory oversight for site cleanup and redevelopment.

### **Former Merry Go Round Cleaner, Los Angeles**

Robert Ehe,

On August 25, 2011, the Regional Board issued a draft Cleanup and Abatement Order (CAO) to the property owner of the site of the former Merry Go Round Cleaners, which is an approximately 0.5-acre property located at 3550 West Third Street, Los Angeles. This draft CAO was sent to the responsible party for response and comment by October 26, 2011. Since 1996, the responsible party has conducted several site investigations and conducted a treatment system for the volatile organic compounds in soil and soil vapor. However, in 2009, the responsible party suspended the operation of the treatment system (dual-phase extraction system) without staff's approval. The draft CAO requires the responsible party to complete assessment, monitoring, cleanup and abatement of volatile organic compounds released to the subsurface at the site, and migrating from the site.

### *Site Clean Up IV*

### **Former Long Beach Naval Shipyard – Former Gas Station Site, Long Beach**

Robert Ehe

On September 6, 2011, the Regional Board Executive Officer issued a letter to the Navy regarding the site investigation and cleanup at the site of former underground storage tanks (USTs) at a former gasoline station which was part of the former Long Beach Naval Shipyard. The former gasoline station on the former

Long Beach Naval Shipyard operated between 1960 and 1996, when the former base was closed. A total of 20 former USTs which contained petroleum products were removed the site; 15 were removed in 1968, 2 were removed in 1993, and 3 were removed in 1997. The letter documents the Regional Board's concern for the further migration of residual contaminants in groundwater at the site.

#### **Former Mission Linen Supply Facility, Santa Fe Springs**

Mohammad Zaidi

Staff reviewed and approved the Smear-zone and Bioremediation Work Plan for the Former Mission Linen Facility in Santa Fe Springs. This approval will facilitate the issuance of the General Waste Discharge Requirements Permit by the Regional Board, so that the remedial injection into the smear zone soil and underlying groundwater plume contaminated with volatile organic compounds can start, and remediation can be conducted on this approximately 4.5 acre site for planned redevelopment.

#### **Kinder Morgan Los Angeles Harbor Terminal, Berths 118-119**

Ann Lin

Kinder Morgan Energy Partners, L.P. (KMEP) is subject to soil and groundwater investigations and cleanup requirements contained in Cleanup and Abatement Order (CAO) No. 97-119 for Los Angeles Harbor Terminal, Berths 118-119. The Site has been an active 10-acre tank farm since 1923, including eighteen above-ground storage tanks, two ship berthing docks, and total storage capacity of 531,180 barrels.

Site assessments have been ongoing since 1986. Based on historical soil and groundwater sampling data and the presence of light non-aqueous phase liquids (LNAPL) beneath the Site, the primary chemicals of concerns at the Site include benzene, toluene, ethylbenzene, and xylenes (BTEX), fuel oxygenates (methyl tert-butyl ether [MTBE], and tertiary butyl alcohol [TBA]), and TPH constituents (diesel and gasoline). Recovery of light non-aqueous phase liquids (LNAPL) from beneath the Site was initiated in May 1986 and recovery efforts remain ongoing. KMEP has conducted phased investigations to fill data gap, developed a conceptual site model, and conducted human health risk assessment and ecological screening evaluation for the site. In August 2011, staff reviewed an Additional Site Characterization Work Plan submitted by KMEP's consultant. The work plan proposes to advance approximately 143 soil borings onsite and 33 soil borings offsite to further characterize the lateral and vertical extent of petroleum hydrocarbon-impacted soil for remedial planning purpose. Draft approval letter was submitted internally for management's approval in early September 2011.

### *Underground Storage Tank Program*

#### **Completion of Corrective Action at Leaking Underground Fuel Storage Tank Sites**

Yue Rong

Regional Board staff have reviewed corrective actions taken for soil and/or groundwater contamination problems from leaking underground storage tanks for the time of **July 21, 2011** through, **August 29, 2011**, and determined that no further corrective actions are required for the following sites:

1. Former San Luis ARCO Service Station, West Covina (I-14064)
2. TOSCO – 76 Station No. 2657, El Monte (I-03268)
3. Circle K Store No. 5619, Harbor City (907100116A)
4. ARCO Station #01953, Hacienda Heights (I-06278A)
5. Former Shell Service Station, Los Angeles (R-06369A)

6. Former Scott Pontiac – GMC/Prime Southland Building, El Monte (I-17049A)
7. Anchor, Reseda (913351025)
8. 76 Service Station #2701858, Bellflower (I-02223A)
9. Harbor Distribution Center, Carson (R-21040)
10. Former ARCO Service Station #6189, Santa Fe Springs (I-01749)
11. Shell Service Station, La Verne (I-07490A)
12. Piper's Body Shop, Los Angeles (900340252)
13. ExxonMobil Station 18LBF, Reseda (913350834A)
14. ExxonMobil Station 18K2Q, Chatsworth (913111152A)
15. Blum & Poe Peoperty, Los Angeles (900340198A)
16. S And M Service Station, Los Angeles (902480161)

For the case closure sites above, a total of **3,975** tons of impacted soils were excavated and **280,387** pounds of hydrocarbons were removed by soil vapor extraction system. In addition, **248** gallons of LNAPL were moved and 771,370 gallons of groundwater were treated.

**Executive Officer issued General Waste Discharge Requirements (WDRs)**

Yue Rong

The Executive Officer, on behalf of the board, issued 1 general Waste Discharge Requirements (WDRs) to 76 Service Station, located in Los Angeles (9/13/2011). The WDRs issued for injection of oxygen generating compounds to the impacted aquifer for in-situ groundwater cleanup, which is designed to save water resources by avoiding discharging the treated water to the ocean.