

Executive Officers Report For July 2004

UNDERGROUND STORAGE TANK PROGRAM

Charnock Sub-basin MTBE Cleanup

Weixing Tong/Jay Huang

On November 21, 2003, the City of Santa Monica and three oil companies (Shell Oil, ChevronTexaco, and ExxonMobil) reached a settlement that promises the construction of a treatment plant to restore the drinking water supply to the residents of Santa Monica from the Charnock Sub-Basin within five years from now. In 1996, the discovery of MTBE contamination of the City of Santa Monica's Charnock wellfield resulted in shutdown of the wellfield and consequently a loss of over 6 million gallons per day of groundwater supply – an amount equal to approximately half of the City's daily water demand. Now all parties are in the stage of implementing the agreement.

Since 1996, this Regional Board, working along with USEPA, has diligently investigated and overseen cleanup of the regional and site-specific contamination. As of April 2004, a total of 317 million gallons of groundwater in the Charnock Sub-Basin Investigation Area have been treated. A total of 1,838 pounds of MTBE have been removed from groundwater and 4,184 pounds of MTBE from soil. In addition, 13,415 pounds of gasoline have been removed from groundwater and 201,289 pounds from soil (see the table below).

PRP #	Site Name	Soil Remediation			Groundwater Remediation			
		TPHg lb	Benzene lb	MTBE lb	TPHg lb	Benzene lb	MTBE lb	Water million gal
4	Arco Station #1246	59,075	1,071	23				
6	Former Conoco station	4,540	39	0				
7	Former Unocal Station #3016	27,660	83	90	0.8	0.004	1	0.765
8	Mobil Station # 18-FX5	14,886	85	305	1,078	3.15	1.15	41
10	Chevron Station #9-0561	5,118	11	34			0.124	0.161
11	Shell Station # 204-1944-0100	5,235	32	107	12,336	605	1,836	275
12	Winall #18	14,665	99	1,937				
15	Former Powergas station	17,501	61	933				
23	Former Thrifty #247	52,609	632	755				
Total		201,289	2,113	4,184	13,415	608	1,838	317

To date, the site-specific cleanup is still ongoing. The construction of the treatment plant combining with source site cleanup will ensure the full restoration of groundwater production from the Charnock Sub-Basin.

In the meantime, staff have also been conducting low risk review for those Charnock sites where cleanup has been completed. From February to April 2004, staff issued "No Further Action" letter to five sites (PRP sites #5, #37, #21, #36 and #42).

For more information on the Charnock Sub-Basin cleanup, visit http://www.swrcb.ca.gov/rwqcb4/html/programs/ust/charnock_mtbe.html. Or www.epa.gov/region09/charnock.

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 **May 19, 2004** through **June 10, 2004**, and determined that no further corrective actions are required for the following sites:

Crenshaw Auto Repair, Gardena (R-01446)
Shell Service Station #204-8106-0307, Venice (902910198)
City of El Monte Police Parking Facility, El Monte (R-09340)

For the case closure sites above, a total of 4442 pounds of hydrocarbons, 57 pounds of benzene, and 348 pounds of MTBE have been removed at the completion of cleanup. In addition, 274,330 gallons of water were treated.