

Executive Officers Report For November 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 July 2004, a total of 346 million gallons of groundwater in the Charnock Sub-Basin Investigation Area have been treated. A total of 1,845 pounds of MTBE have been removed from groundwater and 4,222 pounds of MTBE from soil. In addition, 13,747 pounds of gasoline have been removed from groundwater and 213,816 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	59,541	1,071	23				
6	Former Conoco station	4,678	39	0				
7	Former Unocal Station #3016	30,616	86	90	0.8	0.004	1	0.765
8	Mobil Station # 18-FX5	14,886	85	305	1,129.3	3.22	1.16	52.5
10	Chevron Station #9-0561	5,276	14.7	34			0.124	0.161
11	Shell Station # 204-1944-0100	5,319	32	107.00	12,716	612.6	1,845	298
12	Winall #18	14,665	99	1,937				
15	Former Powergas station	19,464	68	947				
19	Former ARCO Station #5117	5,700	7	10				
23	Former Thrifty #247	53,671	633	769				
	Total	213,816	2,135	4,222	13,747	613	1,845	346

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 2004 to date, staff issued "No Further Action" letter to five sites (PRP sites #5, #20, #21, #29, #36, #37, #42 and #44).

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 **September 9, 2004** through **October 8, 2004**, and determined that no further corrective actions are required for the following sites:

Former Arco Service Station #177, Los Angeles (900080070)
Praxair, Wilmington (907440334)
Former Superior Freight Facility, Los Angeles (900330361)
ExxonMobil Station #18-GGM, Culver City (I-07124)
Vanowen/Fallbrook Former Shell Station, Canoga Park (913040298)
Southern California Edison – La Fresa Substation, Torrance (905040298)

For the case closure sites above, a total of 2461 tons of impacted soils were excavated at the completion of cleanup.