

# State Water Board Meeting

## Item No. 8

**UST Petition, Shell Oil Company,  
2405 N. Sycamore Dr., Simi Valley**

June 3, 2008

Tracy Egoscue  
Executive Officer

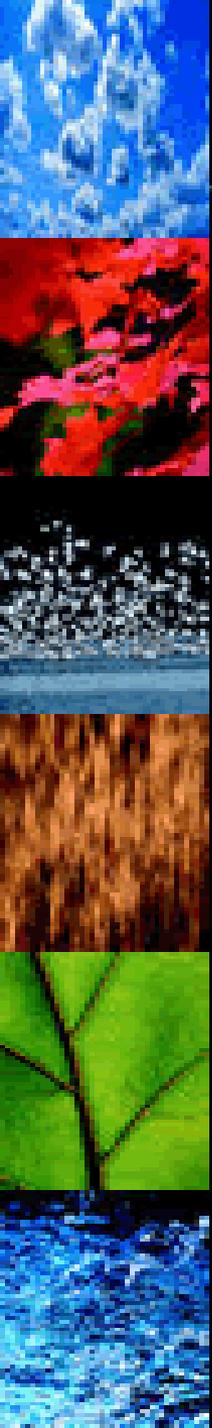
California Regional Water Quality Control Board

Los Angeles Region

320 West 4<sup>th</sup> Street, Suite 200

Los Angeles, CA 90013



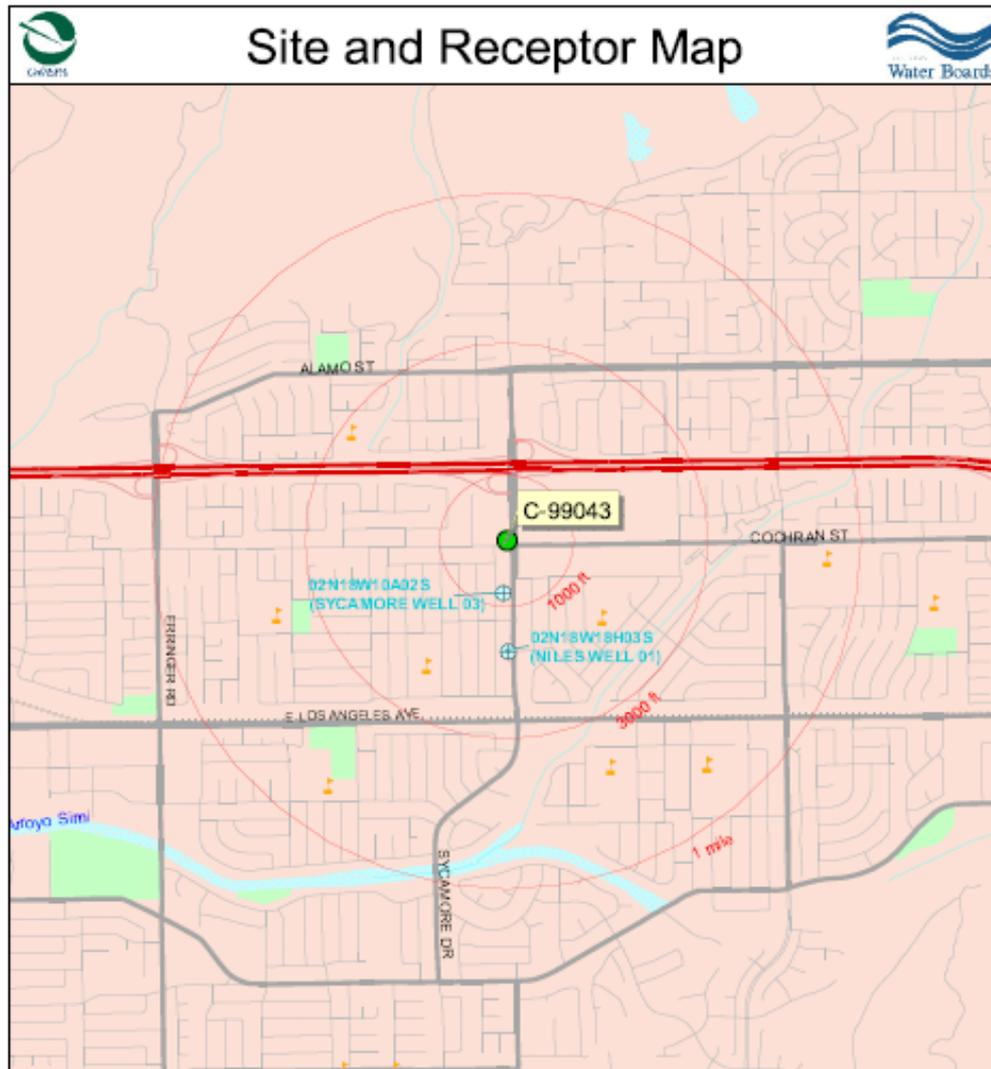


# Los Angeles Regional Board Case Closure Overview

- Case closure is always a priority.
- RB4 closes 70 cases per year on the average (i.e., more than a case per week). This year we are on the pace to reach that goal.
- In FY 04-05, we closed 141 cases.



# Site Map and Production Wells



**Shell Service Station**  
2405 Sycamore Drive  
Simi Valley, 93065

- Case # C-99043
- ▲ School
- ⊕ Production Wells
- Primary Street
- - - Secondary Street
- Rivers/ Creeks
- ⋯⋯⋯ Railroad



Scale 1:24,000  
Feet



# Regional Board Objections to Closure

- There is a considerable mass of MTBE in the soil
- MTBE leaching downward threatens the underlying groundwater quality
- MTBE has impacted groundwater quality for about 3 years (2001 – 2004)
- A production well is located in close proximity of the site (less than 1,000 feet)



# MTBE Concentrations in Soil

Sample Location	Maximum MTBE Concentration (mg/kg)	Depth (Feet)	Maximum Depth MTBE Detected (Feet)
B-10	14.0	10	24
MW-2	13.0	15	40
MW-3	14.0	10	90
B-2d	8.2	45	70
B-7d	3.8	40	40
B-8d	7.7	40	40
SVE-1d	8.8	45	80



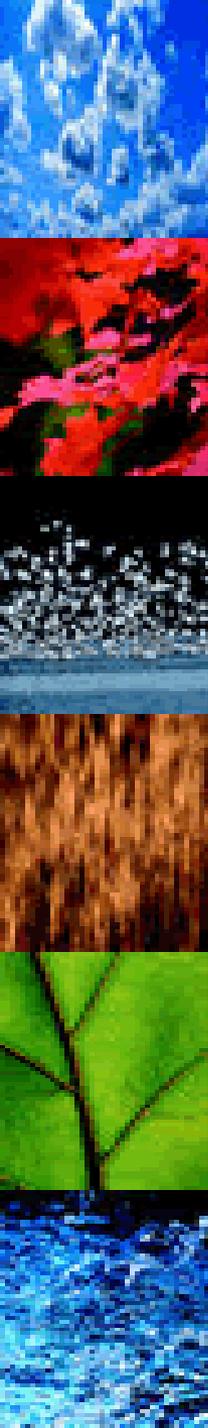


# Deficiencies in the Draft Order

The Draft Order does not recognize:

- Sycamore Well No.3 is not a stand-by well but is a production well, and therefore must be protected as such.
- MTBE can leach down without the “Wetland land use” scenario.
- MTBE can leach down with even low precipitations as in the Simi Valley area.





# Deny Closure Petition

Regional Board 4 recommends either:

- (1) Perform soil cleanup to reduce the threat to groundwater quality, or
- (2) Monitor groundwater for a period of time to confirm no future MTBE impact on groundwater quality.

