

Defense Energy Support Center Los Angeles Update

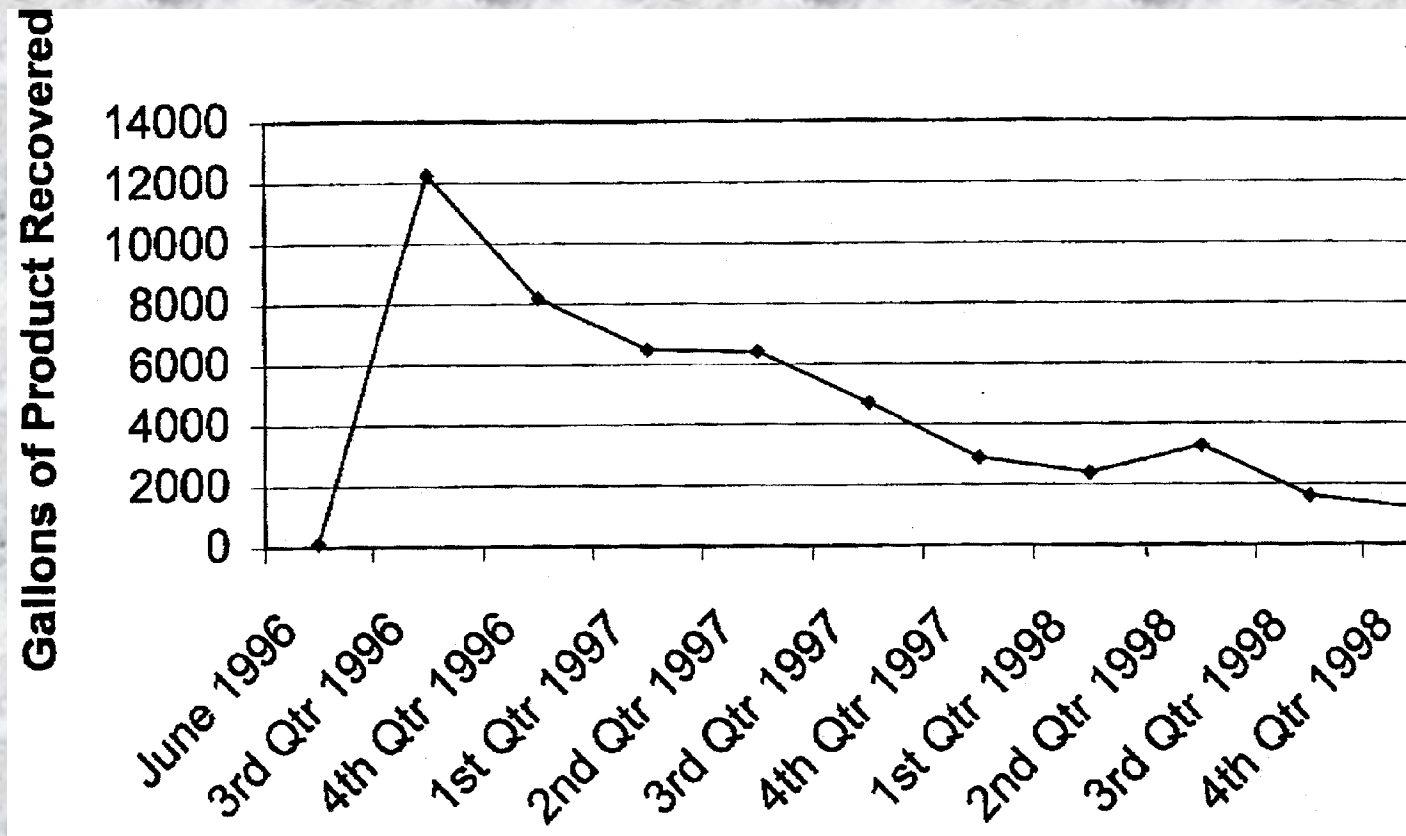
Presented to the Norwalk Tank Farm
Restoration Advisory Board

January 21, 1999

Central Plume Remediation System Update

- Total Hydrocarbons Recovered to Date:
92,098 gallons
- Liquid-Phase Hydrocarbons Recovered:
49,524 gallons
- Vapor-Phase Hydrocarbons Removed:
42,084 gallons
- Dissolved-Phase Hydrocarbons Removed:
490 gallons

Free Product Recovery Trend - DFSP Norwalk



Remediation System Performance Enhancement Program

- All groundwater recovery wells were rehabilitated--acid washed
- Five wells in NW area (GW-2, -3, -4, -5, and -6) selected for recovery/containment
- Three wells retrofitted with flowmeter; five additional wells by February
- Collection tanks and pumps checked and upgraded
- Four wells fitted with pressure transducers and data loggers

Semi-Annual Monitoring Event

- November 2, 3 and 5, 1998
- 151 Wells Monitored
 - 92 by FD-GTI
 - 59 by Alton Geoscience
- Average groundwater level increased 2 inches since May 1998
- Free product thicknesses decreased an average of 10 inches in southern area wells since May 1998

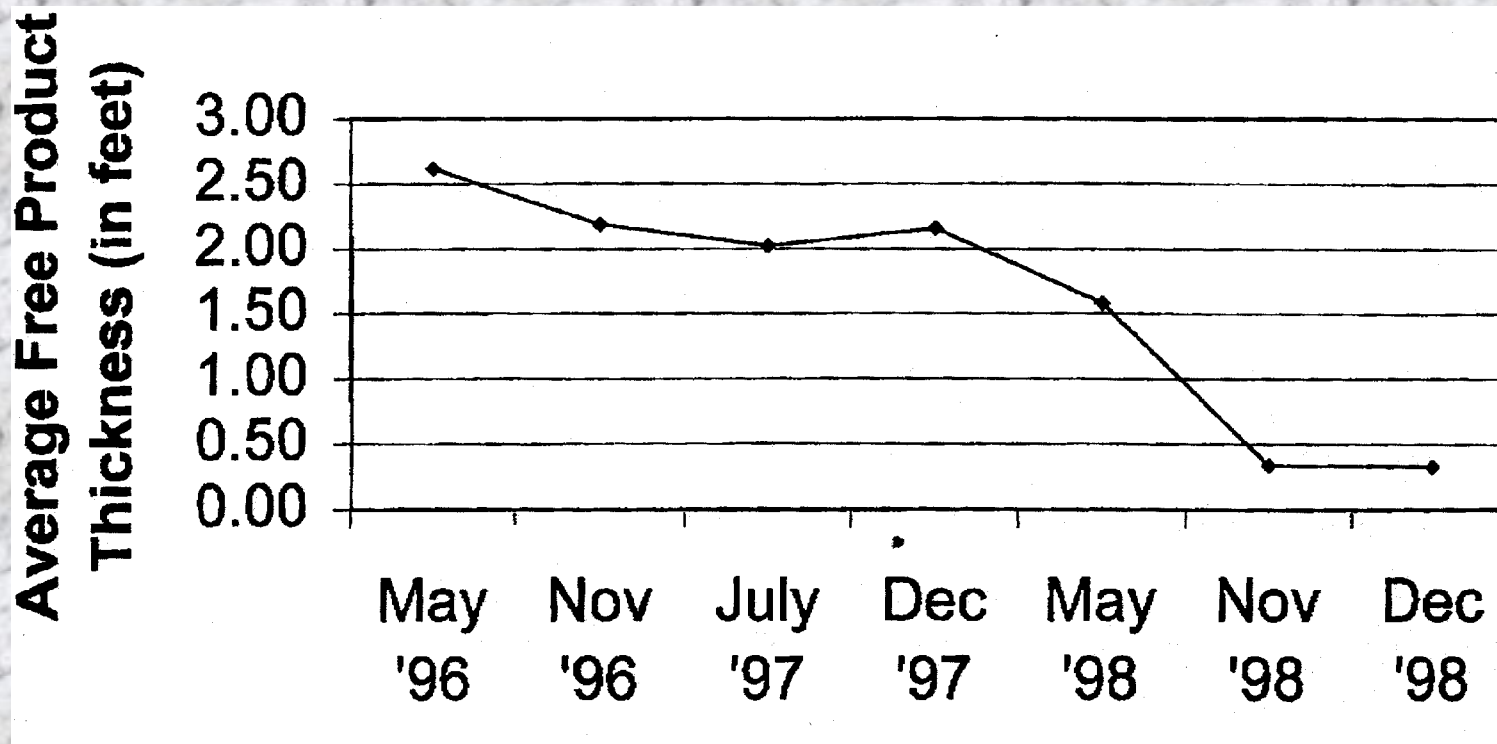
Semi-Annual Monitoring Event

- No free product in southeastern corner (24-inch valve leak area)
- No benzene, 1,2-DCA or MTBE concentrations found in Exposition Aquifer. Low TPH concentration found in EXP-1 likely to be naturally occurring
- TPH plume does not extend as far westward in the southern portion, but further northwest, east, and southeast since May 1998

Semi-Annual Monitoring Event

- 1,2-DCA concentrations have decreased in 14 wells and increased in 7 wells since May 1998
- MTBE concentrations have decreased in 15 wells and increased in 19 wells since May 1998

Free Product Thickness Trend - DFSP Norwalk Tank Farm (Since Beginning of Remediation)



DFSP Norwalk - West side Off-site Wells - TPH Trends

