

AGENDA

Meeting with RWQCB and ACDEH Staff
16 June 1995

Sybase, Inc., Emeryville, California
(EKI 940018.03)

A. Addendum to Work Plan (EKI, 13 June 1995)

Objective of Addendum

- evaluate off-site, downgradient impacts due to potential migration of petroleum hydrocarbons from the Site.

Proposed Additional Work

- collect one downgradient, on-site grab groundwater sample and analyze sample for total petroleum hydrocarbons ("TPH");
- collect three downgradient, off-site grab groundwater samples and analyze samples for TPH;
- collect four shallow soil samples in each of the groundwater sampling locations and analyze the samples for TPH;
- perform four slug tests in existing groundwater monitoring wells to obtain information on hydraulic parameters; and
- perform fate and transport modeling to simulate expected steady-state TPH concentrations downgradient of the former refinery.

B. Status and Schedule for Approval of Sybase, Inc.
Planned Development of the Site

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hold

6/16/95

✓ Kane & Son

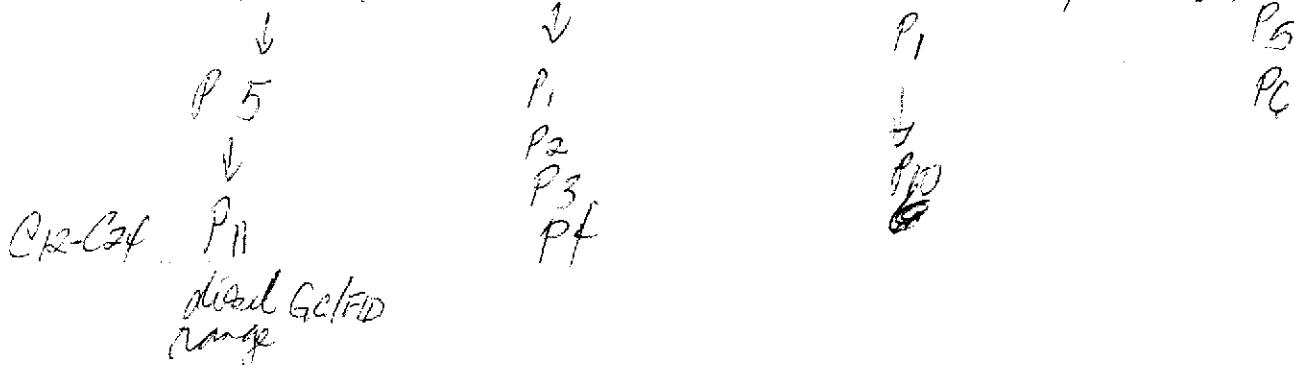
Meeting @ RWQCB w/ Sybase, EKI, Crosby Geophysical
Roach & AMB (Tom Sullivan)

- There are pipelines along the railroad tracks (per oil)
- proposed 10 Soil borings - need to characterize TPH (fingerprinting) further chara
- ATD 123 will be used - slug tests will be done & will be compared to pump test
How to model TPH will be a problem - C₁₄, C₁₆, PAHs Foc values -
- Take & transport will be to determine if TPH is fr.
[other source or fr. on site]
→ To balance uncertainty
- MW5 & MW6 - (no fp) but when sampled some beads on the sampler
- vertical migration (deeper aquifer)
- for the parking garage (deep piles into the bay mud)
↳ may impact deeper aquifer
Long Term issues → 2nd aquifer threat by pile driving
- memo on driving piles on landfills - need to discuss methodology ↳ (may be up to 30 feet)
5 level garage

- Issues:
 - 1) Mass of contaminants to be left on site
 - 2) Management plan - dug wells needed?
 - vertical migration check
 - soil removal will be minimal if removed will be disposed off site
 - construction specs - if digging along the utility trench & found
 - Health Risk, mobility, letter of approval
 - contaminants to be left on site, no contribution to vertical migration after implementing the workplan no further action
 - along the proposed road maybe additional boring downgrading of source fr. refinery will give a baseline data
 - VOCs in gas H2O need to be analyzed due to driving piles on construction

$P_4, P_1, P_2, P_3 \rightarrow$ run everything
 \hookrightarrow VOCs

TPH, chlorinated solvents as P_5, P_6 (metals)



Black layer found in the area - test for PAH's to determine if it will impact H2O or can be left on site during construction trenches

- Take Gironcoli Model AD3 - reached a steady state not moving

Bunker C - will use surrogate approach (C16)
look for Koc values / model steady state
PAHs as surrogate \rightarrow

- steady state concentration, w/ breakdown
 - 1st order decay will not be an appropriate scheme
 - 08-16 consistent w/ Basin Plan Management Management Plan
- \rightarrow will also do a sensitivity analysis & PAHs biodegradation
 - need some consistency
 - \rightarrow asphaltic compounds - PAHs \rightarrow P11 - additional brief
 - \rightarrow analyse for PAHs in soil & H2O