

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

Akane & Sun

Meeting @ RWBCB w/ Sybase, EKI, Crosby Keagy & Koach & AMB (Tom Sullivan)

- There are <sup>oil</sup> pipelines along the railroad tracks (per

- 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  
Koc values -

→ Fate & transport will be to determine if TPH is from other source or from site  
↳ to balance uncertainty

- MW5 & MW6 - (no fp) but when sampled some breakthrough 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 <sup>up to</sup> 30 feet)

5 level garage

memo on  
plan

- Issues: 1) Mass of contaminants to be left on site
- 2) Management plan - deep 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 efficiency will give a baseline data
  - VOCs in groundwater need to be analyzed due to driving piles on construction

\* Groundwater  
\* Risk  
need deep wells

↓  
Soil & groundwater sample

P4, P1, P2, P3 → run everything  
↳ VOCs

	TPH, chlorinated solvents	AS	<del>P5, P6 (Metals)</del>
	↓	P1	P5
	P5	↓	P6
	↓	P2	
	P11	P3	
C12-C24	P11	P4	
	dead GCFD range		

Black paper found in the area - test for PAHs  
to determine if it will impact ASD or  
can be left on site during construction trenches

- Trace, Transport Model AFD 3 - reached a steady state  
not moving

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

- steady state concentrations, w/ breakdown  
- 1st order decay will not be an expanding plume  
08-16 consistent w/ Basin Plan Management  
Management Plan

→ will also do a sensitivity analysis of PAHs biodegradation

- need some consistency

→ asphaltic compounds - PAHs ; P11 - additional brief  
↳ analyse for PAHs in soil & H<sub>2</sub>O