Workplan, Baseline Risk Assess, Soil and Napl OU (3/17/99), D&M.

DTSC comments (4/28/99), memo: Kimi to Gloria.

EPA comments (5/3/99), memo: Stan to Dante.

Comments on Risk Assess Workplan
1. Stan - existence of sufficient data? Suggest calculating exposure pt. concentrations to see if sufficient data exists.
   Ruth - will do, next 3-4 weeks, distribute to group. June 10 mtg. scheduled.
2. Gloria/Kimi - request data summary meeting/presentation.
4. Stan - want residential PRGs used for screening out areas of concern.
5. Dames & Moore - working on calibrating vapor transport model, for review by EPA's Craig Mann.
   Dante - will arrange for use of Mann for the project.
6. Kimi/Gloria - concern about butadeine. Not analyzed in most samples. Detection limit magnitudes above PRG.
   Dames & Moore - will prepare map & table showing butadeine sampled locations & values.
REFERENCES: Reference made to mtg. in SF 10/22/98, Dante notes on 10/22 mtg. (dated 10/29/98), Paine letter to Dante.
FOLLOW-UP: Agencies to finalize comments to RPs.
   - Exposure pt. concentrations to be calculated and submitted prior to PRP response to comments on Workplan.
   - Next meeting: review exposure pt. concentrations; review investigative approach & RI data set; workshop on vapor transport model. Tentative date 6/10/99.

Mann memo, review of D&M spreadsheets (6/3/99), EQM, modeling of Pits.

Outline of Method, Calculating exposure pt. concentrations (6/9/99), D&M.

Conference Call notes (6/7/99), Dante's Notebook.
1. Stan - trench exposure, wants enclosed space model. Want to run both ways to see if issue. Kimi concur.
   Ruth - will do. Will work with Robbie to devise parameters.
2. Kimi - need to update eco pathways.
   Ruth - will walk undisturbed areas, re-survey to update.
FOLLOWUP: D&M to do response to comments, document agency comment and D&M response, say where incorporated in next risk deliverable.
3. Dante - Exposure pt. concentrations (EPC). Should not screen out non-RI/FS data solely if no detection limit used - rather, if unreliable method.
   Ruth - will incorporate.
   Stan - don't neglect non-RI/FS data if it is all we have for a parcel.
   Ruth - Accept. Will note any such parcels & consider using non-RI/FS.
4. Stan - want written explanation for each parcel, describe what is there, why/how screened as area of potential concern.
   Kristin - will do.

Conference Call Notes (7/13/99), Dante's notebook.
Update. Ruth to distribute package of maps etc. for EPC's. Developing COPC list. Investigating depth of potential future footings, for use in direct contact scenario.
NEXT CALL: 8/9/99.

Parcel maps & data (7/26/99).

Meeting (7/29/99), EPA office, RI data review.
Risk Assess Methodology. D&M to summarize action items, put dates. Main steps:
1. Agree on COPCs. Stan preference for land-based test (if D&M wants other, will recommend w/ explanation);
2. Crank through risk calcs for indicated parcels.
3. Other - Gib reviewing foundations, 2 types - heavy or light;
4. Confirm correlation between field soil gas & lab results;
5. Keep in all class A carcinogens, if even 1 detect;
6. Report & justify chems screened out;
7. Do detection limit comparison with PRGs;
8. Flag significant hits in non-RI/FS data, esp. ones that tell something RI didn't.

Conference Call Notes (8/9/99), Dante's Notebook.
1. Kimi - don't use only PRGs for screening unless they cover all site-specific pathways.
Ruth - will use for soil (PRGs) but not indoor air.
2. Kimi - assume smaller lot sizes for residential scenario. Assume lot sits atop most contaminated part of larger parcel.
3. Kimi - issue, how to handle bi-modal distributions on a parcel (when data appears to comprise 2 separate statistical populations).
Ruth - to work on this; propose solution.
4. Kimi - Butadeine and nitrosamines must be folded into risk assessment.
FOLLOWUPS: Ruth tech memo to include (a) compare detection limits to PRGs; (b) use of non-RI/FS data;
(c) COPC screening using 5% prevalence criteria, class A carcinogens, provide rationale for any screen-outs.
Provide arsenic tech memo to Stan, Kimi.
Will provide revised parcel maps, exclusions & justifications, show indus. & res. exposure areas.
Will provide soil gas to soil conversion equations w/ assumptions & values.

Mann review of spreadsheets (8/30/99), EQM.
Modeling of Coca Cola, Hamilton Dutch.

Vapor modeling meeting (10/26/99). EPA office.

Conference Call notes (9/9/99), Dante's notebook.
Status. Ruth working on non-RI/FS data review, QA screen. Also COPC prevalence screen. Also comparison of detection limits to PRGs.

Memo: Utilization of non-RI/FS data (11/16/99), Shell.

Stan comments on non-RI/FS data (1/3/00), EPA.

EPA comments on non-RI/FS data (1/7/00), Dante.
Evaluate qualitatively any non-RI/FS data exceeding PRGs.

Shell letter on non-RI/FS data (3/9/00).
Completed prelim review of non-RI/FS data. Propose: (a) use quantitatively any data meeting min. criteria for QC; (b) use qualitatively TPH data w/o surrogates, utilizing Method 8020 BTEX results to verify; (c) use quantitatively VOC & TPH data w/o lab control samples, utilizing other QC samples to verify accuracy (use if verify accuracy); (d) consider qualitatively any data above PRGs w/o acceptable QC, use as determiner of constituents present, but not in risk assessment. Majority of data acceptable.
TO DO: tech memo describing procedures & results of this task.

Conference Call (6/20/00) draft minutes.
Handout: selected exposure pathways; chemicals eliminated as site-wide COPC but detected in given parcel. Agenda: Ruth's report, non RI/FS data screen, COPC selection, parcel selection, exposure areas, EPCs, schedule & deliverables, other (soil gas to soil conversion, trench exposure, statistics, ecological, field vs. lab results, butadeine & nitrosamines).

Memo: Information for Del Amo Risk Assessment Conference Call on 10/5/00 (9/29/00), Custance & Cothern, URS.
• Estimating vapor emissions from soils, for construction worker scenario.
• Calculation of site-specific preliminary remediation goals with site specific physical parameters.

Memo: Additional Information for Del Amo Risk Assessment Conference Call on 10/5/00 (9/29/00), Cothern &
Custance, URS.
- Site wide contaminants of potential concern.
- Documentation of data processing steps.
- Data summary tables.

Conference Call (10/5/00) Draft Minutes.
Agenda: Ruth & Kristin's report, trench exposure, site PRGs, exposure parameters, COPC selection, other (statistics, soil gas field vs. lab results, butadeine & nitrosamines).

Memo: Information for review prior to the next Del Amo risk assessment call (12/15/00), Custance & Dudley, URS.
- Evaluation of mobile and fixed laboratory shallow soil gas data generated at the Del Amo site since phase 1 RI report.
- Composite Sample Analysis.
- Revised site-wide COPC table.
- Parcel-specific COPC tables.