

**MEMORANDUM**

**TO:** Treasure Island Restoration Advisory Board, and Jim Sullivan - NSTI

**FROM:** Paul V. Hehn, Treasure Island RAB - Technical Subcommittee Chair

**DATE:** May 8, 1996

**RE:** Comments on Document "Draft Air Sampling Work Plan"

The following compiles my own personal main points of discussion, areas of concern and comments after having reviewed the "Draft Air Sampling Work Plan".

The comments I have prepared are related to specific sections of the work plan.

**DOCUMENT:**

**DRAFT AIR SAMPLING WORK PLAN**

**Comments on Specific Sections by Paul V. Hehn**

- Section 1.1 - Should the exposure pathways include breathing in vapors?
- Section 1.1 - Last sentence: Should the evaluation of exposure via inhalation of VOCs come also from soil as well as from the groundwater?
- Section 2.0 - Describe the preliminary screening calculations. Where are they from and what do they mean? How were they determined?
- Section 2.0 - Need to define what are High and Low concentrations of VOCs. How were these concentrations determined?
- Table 1 - Need to specify what the source of the maximum concentration data is. Is the data from the Phase I or Phase II work? What are the dates of the groundwater samples. Are they all from the same sampling event or only the highest concentrations ever detected from these wells. If this is old data,

should the data from more recent sampling events be used instead? What are the VF values based on?

- Section 3.0 - When discussing the breathing zone for indoor and outdoor locations, is this for an adult or a child? The height of the breathing zone much different. Also, has the potential for inhalation of vapors for utility or construction workers been considered?
- Section 4.2 - Will the flux chamber samples be collected in paved or open soil areas? The site sampling discussion should include whether paved or not? asphalt or concrete? Intact, or cracked and broken. ? Is the possibility of open utility trench for inhalation hazard been or will be considered?
- Figure 3 - The figure should indicate the scale so it is possible to determine the size of the flux chamber.
- Section 4.4 - Who will be doing the analytical testing?
- Section 4.5 - How long after the results are received will the report become available? Should specify the time frame.

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