

Possible SAB Issues for Calendar Year 2002—DRAFT “Short” List

Pete Kmet
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Human Health Risk Assessment Issues

Soil Direct Contact Pathway

- Define “significance” for determining when the dermal exposure pathway must be evaluated
- IEUBK soil lead model

Ground Water Cleanup Levels

- Exposure scenarios for non potable ground water

Surface Water Cleanup Levels

- TPH surface water cleanup levels
 - Bioconcentration/bioaccumulation factors for TPH EC fractions (also eco issue)
 - WET testing—protocols and data interpretation

Remedy Selection

- Exposure scenarios for evaluating the protectiveness of soil remediation levels, including alternative land uses and soil covers
- Exposure scenarios for evaluating the protectiveness ground water remediation levels, including the effectiveness of institutional controls restricting ground water use

Other Human Health

- Additive risk considerations for mixtures of TPH and other contaminants (for 4-phase model as well as other risk calculations)

Ecological Issues

- Soil bioassay work TPH contaminated soil—review of experimental design, consultation on interpretation of resulting data
- WET testing—protocols and data interpretation
- Bioconcentration/bioaccumulation factors for TPH EC fractions

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Fate and Transport Issues

- Guidance for how to assign chemical parameters when there is variability in the literature (Henry's Constant, solubility, Koc)
- Guidance for how to factor in site variability for FOC

Empirical Methods

- Empirical demonstrations—how do you make this demonstration (required testing, data interpretation); what's required to determine a steady state condition exists

Natural Attenuation

- Natural attenuation guidance, including protocol for determining an appropriate biodegradation rate to use at a site

Fate and Transport—TPH Specific Issues

- TPH guidance-overall review
 - Methods for evaluating site-specific variability in TPH fraction data
 - Methanol preservation of samples
 - Alcohol fuel issues—how to consider when establishing cleanup levels
 - Laboratory method for establishing a site-specific residual saturation value
 - Use of the soil attenuation model to account for biological degradation in the vadose zone

Vapor Pathway

- Define scientifically defensible model
- Define scientifically defensible assumptions (defaults for input parameters)
- Define protocols for vapor sampling (where and how it should be done, method for determining TPH EC fractions)
- Define “significance” for determining when the vapor pathway must be evaluated

Area-wide Contamination Task Force

- Board participation on the task force?
- Other scientific issues as identified by the task force