

**Vapor Intrusion Subcommittee of the Cleanup Standards Scientific Advisory Board
Meeting Minutes
June 11, 2003**

The Vapor Intrusion Subcommittee held a meeting on Wednesday, June 11, 2003 at 9:30 a.m. in the Rachael Carson State Office Building (PADEP) in Harrisburg. The following subcommittee members were present for the meeting:

Annette Guiseppi-Elie	Dupont
Bruce Fishman	RBR Consulting Inc.
Charles Campbell	Science Applications International Corporation
Craig Robertson	Groundwater Sciences Corporation
Kevin Reinert	Rohm and Haas Company
William Deibelbis	Penn State
Randy Roush	DEP
Dave Hess	DEP
Sam Fang	DEP
Tom Fidler	DEP
Lori Mohr	DEP-Policy Office

Public Attendees

Robert McGlade	Weston Solutions
Scott Houser	URS Corp.
Colleen Costello	Langan Engineering
Craig Shamory	PPL
Ken Okorn	Earth Tech
Maureen Shannon	Babst Calland
Doug Cwienk	Geo-Services Ltd.
D. Shott	WBSAI
John Clarke	PADOT
Laura Judd	ERM
Barb Hall	Severn Trent Labs
Mike Young	Severn Trent Labs
Steve Rhoads	PA Environmental Reporter
Jill Gaito	Gannett Fleming
Paula Loht	Gannett Fleming
Cullen Flanders	GSC
Michael Raffoni	Gem Chemlec
Kathy Koerber	Environmental Standards, Inc

The meeting commenced with introductions of persons present. Previous meeting minutes from April were approved. Kevin announced that the purpose of the meeting was to bring the vapor guidance to closure.

Kevin Reinert presented the revised Figures 1 and 2 for groundwater and soils. After discussion, the Figures were approved with some minor changes to occur in the decision boxes.

- Annette will make the minor revisions to the two “diamond” decision boxes on both Figures to reflect a choice of a Box C (i.e., J & E values).

There was discussion to make a change in the Separate Phase Liquid (SPL) definition.

- Randy will make the change in the SPL definition to incorporate a measurable thickness of 0.01 feet of Light Non-Aqueous Phase Liquid (LNAPL).
- Craig will research the EPA guidance on the technically impracticable aspect and will provide language to Randy to incorporate that into the SPL definition.

It was decided that a new Table be added to the guidance that reflects physical/chemical/toxicological parameters. Also, Tables 4a, 4b, 4c, and Tables 5a, 5b, and 5c, will be collapsed into a Table 4 and a Table 5.

- Sam will provide the new Table on parameters and Tables 4 & 5.

There was a discussion to make a change on the definition of source.

- Randy will incorporate the change into the definition.

It was recommended that mitigation samples should be the same as characterization samples.

- Randy will make a text change in the document to clarify that.
- Annette will provide literature references on the issue of background indoor air quality and provide a list and earmark those compounds on Table 3 that may be associated with such and any data interpretation.

It was agreed to delete Ammonia and Cyanide from the guidance. The guidance is intended to address organic compounds and not the inorganic compounds.

- Sam will verify the Csat that are listed in the Tables.

There was discussion on the new toxicological value for TCE. Currently, EPA Region 3 is using it, however; it is provisional. This value may be too low for use. It was decided to forward this issue to the Risk Assessment Subcommittee for determination and discussion at the next Cleanup Standards Scientific Advisory Board (CSSAB) meeting.

Barb Hall of STL is to provide some representative Practical Quantitation Limits (PQLs) outside of TO-14/15.

Other editorial comments from subcommittee members and the public will be emailed to Randy within one week.

It is anticipated to post (within a week or two) the revised Figures 1 and 2 on the PADEP website for use by the public.

It is anticipated and agreed to that it was not necessary for the subcommittee to meet again, but to finalize the guidance based on today's discussions and any comments received from the public.

The meeting adjourned at 2:30 p.m.

- Denotes Action Item

R. Roush
12 June 2003