

Appendix C

List of Registered Observers of the Expert Panel Meeting



Expert Panel on Health Effects of Asbestos and Synthetic Vitreous Fibers (SVF): The Influence of Fiber Length

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Appendix D

Agenda for the Expert Panel Meeting



Expert Panel on Health Effects of Asbestos and Synthetic Vitreous Fibers (SVF): The Influence of Fiber Length

Agenda

Day #1, Tuesday, October 29, 2002 (afternoon only)

1:00 PM	Registration	
1:30 PM	Welcome and Introductory remarks	<i>Dr. Henry Falk Assistant Administrator, ATSDR</i>
1:45 PM	Purpose of meeting	<i>RADM Robert C. Williams Director, Division of Health Assessment and Consultation, ATSDR</i>
2:00 PM	Review of meeting charge and agenda	<i>Morton Lippmann, Ph.D. Panel Chair</i>
2:15 PM	Introduction of panelists	<i>Panelists</i>
2:25 PM	Meeting logistics	<i>ERG</i>

Topic #1: Physiological Fate of Asbestos and SVF less than 5 Microns in Length

2:30 PM	What happens to small fibers when inhaled? Discussion Leaders: <i>Dr. Lippmann and Dr. Oberdorster</i>	
		<ul style="list-style-type: none">▶ <i>Depositional patterns in the lung</i>▶ <i>Clearance</i>▶ <i>Biopersistence</i>▶ <i>Migration from the lung</i>▶ <i>Fiber-like vs. particle-like activity patterns</i>▶ <i>Asbestos vs. MMVF</i>
3:30 PM	Break	
3:45 PM	Topic #1 (continued)	
5:30 PM	Observer comments/questions	
6:00 PM	Adjourn	

Day #2, Wednesday, October 30, 2002

8:00 AM Review of Day #1 issues Morton Lippmann, Ph.D.
Panel Chair

Topic #2: Health Effects of Asbestos and SVF less than 5 Microns in Length

8:15 AM *What do human/epidemiological data tell us about small fibers?*
Discussion Leaders: Dr. Lockey and Dr. Case

- ▶ *Cancer effects*
- ▶ *Non-cancer effects*
- ▶ *Irritant effects*
- ▶ *Association between fiber length and fiber-like toxicity*
- ▶ *Thresholds of toxic action*
- ▶ *Asbestos vs. MMVF*

9:45 AM Break

10:00 AM *How do animal/experimental data augment our understanding of human health effects?*
Discussion Leaders: Dr. McConnell and Dr. Case

- ▶ *Cancer effects*
- ▶ *Non-cancer effects*
- ▶ *Irritant effects*
- ▶ *Association between fiber length and fiber-like toxicity*
- ▶ *Thresholds of toxic action*
- ▶ *Asbestos vs. MMVF*

12:00 PM Lunch

1:00 PM *What are the mechanisms of action of small fibers?*
Can the more robust knowledge base about other fiber or particle materials supplement this understanding?
Discussion Leaders: Dr. Mossman and Dr. Wallace

- ▶ *Immune system responses*
- ▶ *Cell signaling*
- ▶ *Role of reactive oxygen/nitrogen species*
- ▶ *Function of growth factors*
- ▶ *Other mechanisms*
- ▶ *Asbestos vs. MMVF*

3:30 PM Break

Topic #3: Data Gaps

3:45 PM Data gaps and research needs Panelists

4:30 PM Observer comments/questions

5:00 PM Conclusions/recommendations Panelists

5:30 PM Adjourn