

# THE NATIONAL ACADEMIES

*Advisers to the Nation on Science, Engineering, and Medicine*

12/10/2004

Science and Technology for Sustainability

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## Planning Meeting

### Scientific and Technical Input for the Revision of the World Bank Group's Pollution Prevention and Abatement Handbook

**The Members' Room  
2100 C Street, NW  
Washington, DC 20418  
November 12, 2004**

## Agenda

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7:30–8:30      Continental Breakfast in Meeting Room

8:30-9:00      Welcome and Introduction

*Chair, G. Edward Schuh, University of Minnesota*

9:00-9:30      The Policy Context of the PPAH

*Motoko Aizawa, International Finance Corporation*

9:30-10:00      Plans for Revision of the Pollution Prevention and Abatement Handbook (PPAH)

Purpose of the Handbook  
Revision goals, timeline, scientific input

*Alex Indorf, International Finance Corporation*

10:00-10:15      Prior Approaches of the Academies and its Partners to Expert Review

*Richard Bissell, The National Academies*

10:15-10:30      Break

10:30-12:15      Panel Discussion: Defining the Content and Identifying Appropriate Expertise for Review  
of Section 3 “Project Guidelines”

- What types of expertise are needed to evaluate the guidance's:
  - clarity in terms of desired end results
  - use of environmental performance indicators when appropriate
  - appropriate level of flexibility in the means of implementation
  - standing in relation to current standard practices and current best practices
  - representation of global perspectives, knowledge, and processes

- applicability/feasibility in developing countries
- comprehensiveness
- Means of accessing such expertise/appropriate international networks
- What models exist for similar international review processes that should be examined for good practices?

*Donald Sherk, (Panel Chair) Consultant (formerly African Development Bank)*

*Kirk Smith, University of California, Berkeley*

*Alvaro Umana, United Nations Development Programme*

*Joanne Fox-Przeworski, Bard College*

*Alexander Shakow, Retired (formerly World Bank)*

*David Allen, University of Texas at Austin*

*Bob Frosch, Harvard University*

12:15-12:30 Pickup Lunch Outside Meeting Room

12:30-1:30 Lunch Presentation: Scientific input into the first Handbook

*Arthur Fitzgerald, Export Development Canada (formerly World Bank Group)*

1:30-2:30 Discussion of potential workplans

- How might National Academies input complement and support other sources of input?
- What is the appropriate level of input?
- What are the potential modes of involvement? What are the pros and cons of those modes?

2:30-2:45 Break

2:45-4:00 Panel Discussion of a Case Study: Mining Guidelines

*Glenn Eurick (Panel Chair), Environmental Issues Group, LLC*

*Murray Hitzman, Colorado School of Mines*

*Colin Boocock, Knight Piesold Services, Inc*

*Larry Grayson, University of Missouri-Rolla*

How do the various mining guidance documents compare (including the PPAH Project Guidelines for Base Metal and Iron Ore Mining, Coal Mining and Production; the draft Precious Minerals Mining Guidelines; and IFC Guidelines for Underground and Open Pit Mining and Milling) in terms of:

- comprehensiveness
- clarity in terms of desired end results, including the use of metrics when appropriate
- flexibility in choice of mechanisms for achieving those results
- standing in relation to current standard practices and current best practices
- applicability/feasibility in developing countries
- organization/structure
  - What kind of format can be used that would be most easily applicable across all sectors (e.g., providing guidance for desired outcomes rather than prescriptions to achieve it)?

- Is it possible/desirable to include the same level of detail for each guideline?
- How prescriptive should the guidelines be?
- implications for monitoring and reporting:
  - Are the targets in the guidance ones that can be monitored?
  - Is the monitoring guidance appropriate for the overall guidance provided?
  - How does the necessary level of monitoring compare with current practice?
  - Is the monitoring guidance realistic/feasible?

4:00-4:30      Lessons: Designing Potential Workplans for the Handbook Review

*Richard Bissell, The National Academies*

4:30-4:45      Concluding Remarks and Next Steps

*Chair, G. Edward Schuh, University of Minnesota*