

*The National Academies of*  
SCIENCES • ENGINEERING • MEDICINE

**Committee on Potential Impacts of Gold Mining in Virginia**

**Tuesday, February 15**

**VIRTUAL OPEN SESSION AGENDA – TIMES SUBJECT TO CHANGE**

2:00 p.m.	<b>Introductions &amp; overview</b> <ul style="list-style-type: none"><li>• Committee Introductions</li></ul>	Chair and NASEM staff
2:10 p.m.	<b>Case study of tailings dam spills</b>	Karen Hudson-Edwards
2:25 p.m.	Q&A	
2:40 p.m.	<b>Case study of Zortman and Landusky mines</b>	Wayne Jepson
2:55 p.m.	Q&A	
3:10 p.m.	<b>Case study of Brewer and Barite Hill mines</b>	Sara MacDonald and Chris Slocum
3:25 p.m.	Q&A	
3:40 p.m.	<b>15 min BREAK</b>	
3:55 p.m.	<b>Case study of McLaughlin Mine</b>	Erica Schoenberger
4:10 p.m.	Q&A	
4:25 p.m.	<b>Cyanide impacts &amp; the international code</b>	Eric Schwamberger
4:40 p.m.	Q&A	
4:55 p.m.	<b>Public comment by stakeholders who missed the town hall</b>	
5:00 p.m.	<b>Closing thoughts &amp; adjourn</b>	Bill Hopkins, Chair

**Karen Hudson-Edwards** is an environmental geochemist and mineralogist and a member of the Mining, Environment and Society group. I mainly work on the environmental impacts of mining and on sustainable mining practices. Specifically, I research the mechanisms and products of contaminant cycling in mine wastes, ground and surface water, contaminated land and dusts, the development of remediation and management schemes for mine wastes, the global biogeochemical and health impacts of mining, and sustainable mining of technology metals and critical raw materials. She has published on the Mount Polley mine tailings dam spill in British Columbia, as well as the Aznalcóllar tailings dam spill at Boliden Apirsa's Aznalcóllar/Los Frailes in Spain.

**Wayne Jepson** is a Mining Environmental Scientist in the Hard Rock Mining Section of Montana Department of Environmental Quality. In addition to reviewing new mining proposals and overseeing compliance at existing mines, Mr. Jepson has served as the State's project manager for reclamation and water treatment at the Zortman and Landusky sites since the bankruptcy of the operator in 1999. Mr. Jepson holds a BA in Earth Sciences from Dartmouth College and an MS in Geology from the University of Montana.

**Erica Schoenberger** was educated at Stanford University (BA, History) and the University of California, Berkeley (PhD, City and Regional Planning). She has written extensively about corporate strategy in technology-intensive industries and about the environmental and social history of gold mining. She has also written about environmentally sustainable mining with a particular focus on the engineering and management of mine tailings storage facilities (TSFs), the causes of TSF failure and the conditions that support environmentally benign outcomes.

**Eric Schwamberger** is Senior Vice President of the International Cyanide Management Institute. Immediately prior to joining the ICMI team in 2013, he was Manager, Environmental Affairs for Kinross Gold Corporation. He brings twenty years of success in managing Environmental, Health & Safety programs at mining and other industrial facilities throughout the world, including the United States, Canada, Africa, South America and the South Pacific. He has led corporate and facility programs, including ISO 14001 systems. Earlier in his career, Dr. Schwamberger worked on the environment team at BHP Billiton. A graduate of Purdue University, Dr. Schwamberger holds a Master of Science in Soil Science and Ph.D. in soil chemistry from the University of Kentucky.

**Sara MacDonald** is the South Carolina DHEC Superfund project manager for the Brewer Gold Mine and the support project manager of the Barite Hill Superfund Site. Predominantly her job is to oversee the remediation aspect of the superfund clean ups from the perspective of the state.

**Christopher Slocum** is a hydrogeologist and South Carolina DHEC remedial project manager for Barite Hill.