Long-Term Performance Monitoring of Metals and Radionuclides in the Subsurface; Strategies, Tools and Case Studies

Session II Breakout II: Long-Term Monitoring Strategies

Session Chairs: Stephen J. Kowall
Shun C. Ling
Thomas J. Nicholson

Presenters: Boris Faybishenko
Jody Waugh
Earl Mattson
David Stonestrom
Thomas Fogwell
Carol Eddy-Dilek
Strategies for Monitoring of Metals and Rads

Operational Timeframe
- Cleanup
- Closure
- Surveillance
- Stewardship
- 2nd & 3rd Order Remediation

Prime Considerations
- Safety & Char. & For Decision Making
- Eng. Performance
- Compliance Performance
- Legacy Management
- Safety & Char. & For Decision Making
CONCEPTUAL MODELS AND DATA

• Develop monitoring strategy from conceptual model
• Conceptual models guide monitoring
• Only collect data if you are prepared to interpret it
• Need to anticipate in order to respond – is it a risk or problem
• Taylor monitoring to problems and risks you expect from exercising conceptual models
• Revise monitoring strategy