

**SMA Environmental Forum 2021
Teams Live Event**

Time	Wednesday, October 20, 2021
8:30 – 8:45	Welcome from SMA
8:45 – 9:00	Welcome from Government of Saskatchewan
	Tailings and Mine Waste Management
9:00 – 9:30	DAM SAFETY INVENTORY AND SEMI-QUANTITATIVE RISK ANALYSIS FOR SASKATCHEWAN POTASH MINES - Art Kalmes (Barr Engineering Company)
9:30 – 10:00	GEOTEXTILE BAGS FOR ENHANCED DEWATERING AND ACCELERATED CONSOLIDATION OF FLUID FINE TAILINGS – LESSONS LEARNED - Fernando Da Silva (SNC-Lavalin Inc.)
	Decommissioning and Reclamation
10:00 – 10:30	DECOMMISSIONING OF THE CLUFF LAKE URANIUM MINE, SASKATCHEWAN, CANADA - Tina Searcy, Kebbi Hughes (Orano Canada Inc.)
10:30 – 11:00	USING MULTIPLE ACCOUNTS ANALYSIS TO COMPARE MINE CLOSURE OPTIONS FOR PLANNING - Lisa May (Golder Member of WSP)
11:00 – 11:30	Break
	Environmental Monitoring
11:30 – 12:00	FRESHWATER BIVALVES AS AN ALTERNATIVE TO FISH POPULATIONS IN CANADIAN ENVIRONMENTAL EFFECTS MONITORING (EEM) - Catherine L. Proulx (Kilgour & Associates Ltd.)
12:00 – 12:30	EFFECTS OF DUST DEPOSITION FROM DIAMOND MINING ON SUB-ARCTIC PLANT COMMUNITIES AND BARREN-GROUND CARIBOU FORAGE - John Virgl (Golder Member of WSP)
12:30 – 13:00	Lunch Break
13:00 – 14:00	Keynote Panel: UNDERSTANDING AND ADDRESSING HOW CLIMATE CHANGE CAN IMPACT YOUR OPERATIONS AND MINE PLANNING - Sean Capstick, Rachel Wyles (Golder Member of WSP) Charles Dumaresq (Mining Association of Canada)
	Climate Change
14:00 – 14:30	CLIMATE CHANGE IN THE MINING INDUSTRY: WHERE WE ARE NOW AND WHERE WE ARE HEADING - Samantha Barnes (SRK Consulting (Canada) Inc.)
14:30 – 15:00	CLIMATE CHANGE AND HUMAN HEALTH RISK ASSESSMENT- Stacey Fernandes (Canada North Environmental Services)
15:00 – 15:30	LITHIUM BRINE RESOURCES – A NOVEL PROSPECT FOR SASKATCHEWAN - Eric Pelletier (Matrix Solutions Inc.)
15:30 – 16:00	Break
	Environmental Management and Best Practices - New Project Approaches
16:00 – 16:30	NEXGEN ENERGY – OVERVIEW OF THE ROOK I PROJECT - Luke Moger (NexGen Energy Ltd.)
16:30 – 17:00	FORAN MINING CORPORATION – MCILVENNA BAY: A CARBON NEUTRAL COPPER MINE IN SASKATCHEWAN - Denis Flood (Foran Mining Corporation)
17:00	End of Day 1

Sponsors

Platinum



Gold



Silver



Bronze



Thursday, October 21, 2021	
Time	Groundwater, Surface Water and Wastewater Management
9:00 – 9:30	PILOT-SCALE CONSTRUCTED WETLAND TREATMENT SYSTEM PERFORMANCE AT A FORMER URANIUM MINE - Jim Harrington (EnseroSolutions)
9:30 – 10:00	CARBON CAPTURE UTILIZATION AND STORAGE: MEETING GLOBAL GHG TARGETS WITH A SASKATCHEWAN-MADE SOLUTION - Erik Nickel (Petroleum Technology Research Centre)
10:00 – 10:30	ADAPTIVE / RISK MANAGEMENT OF OFF-SITE BRINE MIGRATION - Alexis Harvey (SNC-Lavalin Inc.)
10:30 – 11:00	ADAPTIVE WATER MANAGEMENT AND CLIMATE CHANGE RESILIENCY THROUGH PROBABILISTIC SIMULATION - Denise Chapman (Okane Consultants)
11:00 – 11:30	Break
	Groundwater, Surface Water and Wastewater Management
11:30 – 12:00	ANALYSIS OF SURFACE WATER QUALITY AT LEGACY URANIUM MINES IN SASKATCHEWAN - Qiong (June) Lu (SNC-Lavalin Inc.), David Sanscartier (Saskatchewan Research Council)
12:30 – 12:30	USE OF REAL-TIME CONDUCTIVITY DATA FROM AUTONOMOUS SENSORS TO DELINEATE EFFLUENT DISTRIBUTION ON A BOREAL LAKE DOWNSTREAM FROM A SASKATCHEWAN MILLING OPERATION - Maira Peixoto Mendes (University of Saskatchewan)
12:30 – 13:00	INTEGRATING MULTIPLE DATA STREAMS TO REFINE A CONCEPTUAL SITE MODEL - Nathan Brandner (Barr Engineering Co.), Kyle Grimard (Nutrien)
13:00 – 13:30	Lunch
13:30 – 14:30	Keynote Address: STATUS OF UNDRIP IMPLEMENTATION IN CANADA - Tara Shea (Mining Association of Canada)
	Stakeholder Engagement and Indigenous Traditional Knowledge
14:30 – 15:00	COMMUNITY DRIVEN PROGRAM AT THE DECOMMISSIONED BEAVERLODGE SITE - Alyse Swerhone, Victor Fern (Cameco Corporation)
15:00 – 15:30	ENGAGING VIRTUALLY AND MEANINGFULLY WITH DIVERSE GROUPS - Nicola Lower (Environmental Resources Management)
15:30 – 16:00	Break
	Regulatory
16:00 – 16:30	REGULATORY DEVELOPMENTS IN CANADA'S CLIMATE CHANGE EFFORTS - Rangi Jeerakathil (MLT Aikins LLP)
16:30 – 17:00	REGULATORY UPDATE FROM THE MINISTRY OF ENVIRONMENT - Wes Kotyk (Ministry of Environment)
17:00	SMA Environmental Forum Ends

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