

## SMA Environmental Forum 2023

### TCU Place - Saskatoon Saskatchewan

Time	18-Oct-23	
8:00-9:00	Welcome Breakfast/Registration - Gallery AB	
9:00-9:15	Opening Address from SMA - Gallery AB	
9:15-9:30	Greetings from the Province of Saskatchewan - Gallery AB	
	Gallery C	Gallery D
	<b>Environmental Management and Best Practice</b>	<b>Biodiversity and Species at Risk</b>
9:30-10:00	<p>TOWARDS SUSTAINABLE MINING</p> <p>Ben Chalmers (Mining Association of Canada)</p> <p>Shea Shirley/Kristin Bruce-Welsch (Cameco Corporation)</p> <p>Shirley Neault (Hudbay Minerals Inc.)</p>	<p>RESETTING ANTHROPOGENIC DISTURBANCE: NATURAL REVEGETATION OF LINEAR FEATURES FOLLOWING WILDFIRE AND THE IMPLICATIONS FOR WOODLAND CARIBOU (RANGIFER TARANDUS CARIBOU) HABITAT MANAGEMENT - Hans Skatter (Omnia Ecological Services &amp; Jay Cooper (NexGen Energy Ltd.))</p>
10:00-10:30		<p>SASKATCHEWAN WOODLAND CARIBOU PROGRAM UPDATE - Amy Nixon &amp; Shawn Francis (Saskatchewan Ministry of Environment)</p>
10:30-11:00		<p>The Saskatchewan Mining Association and the Conservation of Endangered Bats: A New Opportunity for Habitat Stewardship - Jeffrey Lane (University of Saskatchewan)</p>
11:00-11:30	Break	
	<b>Indigenous Engagement &amp; Participation</b>	<b>Decommissioning and Reclamation</b>
11:30-12:00	<p>INDIGENOUS INCLUSION IN SMR PLANNING AND IMPLEMENTATION – Dazawray Landrie-Parker (Creative Fire)</p>	<p>EVOLUTION OF CLOSURE PLANNING FOR AN INACTIVE TAILINGS FACILITY – Scott Laberge (Barr)</p>
12:00-12:30	<p>INDIGENOUS PARTICIPATION IN RESOURCE DEVELOPMENT – Rangi Jeerakathil (MLT Aikins LLP)</p>	<p>REVEGETATION OF MINING SITES IN NORTHERN SASKATCHEWAN: A PROJECT CLEANS CASE STUDY – Elizaveta Petelina (Orano Canada Inc.) &amp; Alexey Klyashtorin (Saskatchewan Research Council)</p>
12:30-13:30	Lunch – Gallery AB	
13:30-14:00	<p>DESIGNING FOR MEANINGFUL ENGAGEMENT FROM EXPLORATION TO EXTRACTION – Katie Suek (Canada North Environmental Services)</p>	<p>LESSONS LEARNED FROM 20+ YEARS POST-CLOSURE CARE OF BHP'S LEGACY MINE SITES IN NORTH AMERICA – Brian Ayres (BHP Legacy Assets)</p>
14:00-14:45	<p>THE FUTURE OF NUCLEAR IN SASKATCHEWAN: EDUCATION &amp; TRAINING - Gallery AB</p> <p>Dazawray Landrie-Parker - Moderator</p> <p>Larkin Mosscrop-Science Educator &amp; Program Manager, Canadian Nuclear Laboratories</p> <p>Matt Dalzell-Science Communicator &amp; Senior Business Officer at Prairies Economic Development Canada</p> <p>Kirk Atkinson-Director, Centre for Small Module Reactors at Ontario Tech University</p>	
14:45-15:15	Break	
	<b>Regulatory and Climate Change</b>	<b>Air Emissions Management</b>
15:15-15:45	<p>CRITICAL MINERALS: CHALLENGES AND OPPORTUNITIES - Mark Wittrup (Clifton Engineering Group)</p>	<p>THE COMPLEX WORLD OF PARTICULATE MATTER IN AIR (AND WHY IT MATTERS) - Kent Orosz (Saskatchewan Research Council)</p>
15:45-16:15	<p>POTENTIAL EFFECT(S) OF CLIMATE CHANGE ON SURFACE MINE TAILINGS CONTAINMENT SYSTEMS AND PLANNING FOR FUTURE AMBIGUITY - Nathan Brandner and Cole Gagne (Barr)</p>	<p>OPTIMIZING NATURAL GAS-FIRED ROTARY DRUM DRYERS IN POTASH APPLICATIONS WITH REGULATORY CONSIDERATIONS - Curtis Ferguson and Brendan Duret (Nutrien Allan Potash)</p>
16:15	End of Day 1	

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8:00-9:00	Breakfast- - Gallery AB	
	Gallery C	Gallery D
	<b>Tailings and Mine Waste Management</b>	<b>Risk Management</b>
9:00-9:30	ROOK I PROJECT AS AN IDEAL TECHNICAL SETTING FOR UNDERGROUND TAILINGS DISPOSAL - Nick Espenberg (NexGen Energy Ltd.)	RISK MANAGEMENT PLANNING FOR AN ABANDONED MINE IN NORTHERN SASKATCHEWAN WITH WETLANDS - Stacey Fernandes (Canada North Environmental Services)
9:30-10:00	LEVERAGING DAM SAFETY IN THE MINING INDUSTRY USING GENERATIVE AI - Lakshmin Bachu (Tetra Tech Canada)	CSA N288.6:22 ENVIRONMENTAL RISK ASSESSMENTS AT NUCLEAR FACILITIES AND URANIUM MINES AND MILLS – INDUSTRY AND REGULATORY PERSPECTIVES - Adrienne Ethier (Canadian Nuclear Safety Commission) & Brady Balicki (Cameco Corporation)
10:00-10:30	Stacked Deposits of Thickened and Filtered Fluid Fine Tailings Using Geotextile Tubes as Filtration Media – Physicochemical Treatment Recipe, Updates - Fernando Da Silva (AtkinsRéalis)	ECOSEIS: REDUCING THE ENVIRONMENTAL IMPACT OF SEISMIC SURVEYS - Mostafa Naghizadeh (Optiseis Solutions Ltd.)
10:30-11:00	Break	
	<b>Environmental Management and Best Practice</b>	<b>Decommissioning and Reclamation</b>
11:00-11:30	From Mine to Mill: What you need to know about PFAS - Nathan Brandner & Cecilia Quintana Baez (Barr)	K1 AND K2 SHAFT DECOMMISSIONING - Shawn Haeusler (The Mosaic Company)
11:30-12:00	Research and Methods Development for Identification of Benthic Invertebrates Using Genetic Techniques - Helga Sonnenberg (Ecoreg Solutions Inc.)	REMEDICATION OF THE GUNNAR URANIUM SITE – PROGRESS TO DATE - Alexey Klyashtorin (Saskatchewan Research Council)
12:00-13:00	Lunch – Gallery AB	
13:00-13:30	AN OVERVIEW OF FORAN'S NET POSITIVE STRATEGY - Kirsten Ketilson (Foran Mining Corporation)	DEVELOPING A COLLABORATIVE CLOSURE VISION TO SUPPORT A SUCCESSFUL ROADMAP TO RETURNING LAND USE - Denise Chapman & Lyndsey Thorson (Okane Consultants)
13:30-14:00	MINISTRY OF ENVIRONMENT UPDATE - Gallery AB Wes Kotyk (Associate Deputy Minister - Environmental Protection Division)	
14:00-14:30	Break	
	<b>Mine Waste and Wastewater Management</b>	<b>Digitization and Data Management</b>
14:30-15:00	ENVIRONMENTAL ASPECTS OF SELENIUM MANAGEMENT AT URANIUM MILL OPERATION - Elizaveta Petelina (Orano Canada Inc.)	DATA MANAGEMENT TOOLS FOR ENVIRONMENTAL REMEDIATION: TWO CASE STUDIES - Jeff Lettvenuk, Skye Muirhead & Michael Bendzsak (Saskatchewan Research Council)
15:00-15:30	ROOK I PROJECT – INTEGRATED WASTE AND WATER MANAGEMENT - Chad Novotny (NexGen Energy Ltd.)	EVALUATION OF EXPANDING MOBILE AND DIGITAL SOLUTIONS TO ENVIRONMENTAL MONITORING - Charlene Burnett-Seidel (Cameco Corporation)
15:30-16:00	K+S POTASH CANADA BETHUNE UPLANDS COMPENSATION PROJECT COMPLETION - Cam Wood (Nature Conservancy of Canada) and Jennie Hunter (K+S Potash Canada)	TOWARDS BIOLOGICALLY INFORMED THIOSALTS MANAGEMENT - Lesley Warren (University of Toronto)
16:00	Conference Closes	
16:15	SMA Environment Committee Roundtable	