



SMA Environmental Forum 2018

Saskatoon Inn - Saskatoon Saskatchewan

17-Oct-18	
7:00-8:00	Welcome Breakfast/Registration-Reception Area
8:00-8:15	Opening Address from SMA
8:15-8:25	Greetings from the Province of Saskatchewan
	SASKATCHEWAN BALLROOM B
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	Environmental Management and Best Practice
	Biodiversity and Wildlife
8:30-9:00	EVOLUTION OF ENVIRONMENTAL MONITORING – Kevin McCullum (Matrix Solutions Inc.)
	THE JANSEN HABITAT COMPENSATION TRIAL - Holly Heffner (BHP Billiton Canada Inc.) & Susan Skinner (ERM Consultants Canada Ltd)
9:00-9:30	RESPONSIBLE SOURCING – Speaker TBD (Mining Association of Canada)
	MITIGATING SONGBIRD COLLISION RISK WITH PROJECT INFRASTRUCTURE DUE TO LIGHT ATTRACTION - Ilya Povalyayev (Golder Associates)
9:30-10:00	POTENTIAL CONSEQUENCES OF A TRANSPORTATION INCIDENT INVOLVING URANIUM ORE CONCENTRATE (YELLOWCAKE) – Tina Searcy & Sarah Benson (Orano)
	MITIGATION MEASURES FOR WORKING WITHIN THE GENERAL BIRD NESTING SEASON - OPTIONS AND EFFECTIVENESS - Jacqueline Mertler (SNC-Lavalin Inc.)
10:00-10:30	Break
10:30-11:00	RADON IN MINING - PAST, PRESENT AND FUTURE – Doug Chambers (ARCADIS Canada Inc.)
	POPULATION ECOLOGY OF BOREAL CARIBOU IN THE SASKATCHEWAN BOREAL SHIELD: KEY FINDINGS AND NEXT STEPS - Phil McLoughlin (University of Saskatchewan)
11:00-11:30	eDNA: A NOVEL APPROACH IN SUPPORT OF ENVIRONMENTAL MONITORING - Markus Hecker (University of Saskatchewan)
	IS THERE AN ENVIRONMENTAL COST TO LETHAL FISH SAMPLING UNDER THE CANADIAN METAL MINING ENVIRONMENTAL EFFECTS MONITORING PROGRAM? Alyse Kambeitz (University of Saskatchewan)
11:30-12:00	UNMANNED AERIAL VEHICLES - ESTABLISHING A DAILY PIPELINE INSPECTION PROGRAM IN ESTERHAZY - Taylor Hintz & Alyson Fullarton (The Mosaic Company)
	ALTERNATIVE WETLAND COMPENSATION STRATEGY - CHURCHBRIDGE WETLAND RESTORATION - Glenn Kenke (SNC-Lavalin Inc.)
12:00-12:30	Keynote: Rangı Jeerakathil (Partner - MLT Aikens LLP) - FEDERAL ENVIRONMENTAL ASSESSMENTS
12:30-13:30	Lunch
	SASKATCHEWAN BALLROOM B
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	Groundwater and Surface Water Management
	Biodiversity and Wildlife
13:30-14:00	INTERESTING FIELD OBSERVATIONS DURING DEVELOPMENT OF AN AQUIFER MONITORING NETWORK ASSOCIATED WITH MINE DECOMMISSIONING PROJECT – Bill Pedler (REALTime Aquifer Services) & Jeff Meadows (Nutrien)
	INDUSTRIAL OPERATIONS AND BREEDING BIRDS: BEST PRACTICE CONSIDERATIONS FOR AVIAN RISK ASSESSMENT PROGRAMS - Joshua Traylor (Canada North Environmental Services)
14:00-14:30	SCISSORS CREEK WATER SUPPLY STUDY (AEM Work) - Randy Brehm & Jeff Meadows (Nutrien)
	MOSAIC BELLE PLAINE WILDLIFE MANAGEMENT PLAN - Terry Zwarich & Ashley Message (The Mosaic Company)
14:30-15:00	Break
15:00-15:30	APPLICATIONS OF HYDROGEOCHEMICAL TRACERS IN GROUNDWATER - Marcie Schabert (SRK Consulting (Canada) Inc.)
	GROUND-TRUTHING OF LEGACY LINEAR DISTURBANCES IN WOODLAND CARIBOU HABITAT - Pierre-Olivier Jean (Premier Tech Horticulture)
15:30-16:00	INSTALLATION OF WESTBAY MULTILEVEL SYSTEMS IN CHALLENGING CONDITIONS - Vernon Banks (Wood Environment and Infrastructure Solutions)
	MONITORING FOR POTENTIAL EFFECTS OF SHIPPING ON NARWHAL IN THE EASTERN CANADIAN HIGH ARCTIC – Erin Linn (Golder Associates)
16:00-16:30	PERMEABLE REACTIVE BARRIERS CAN BE A COST EFFECTIVE TOOL TO DEAL WITH GROUNDWATER PLUMES - Ryan Riess (PINTER & Associates Ltd.)
	SASKATCHEWAN BREEDING BIRD ATLAS - A PUBLIC-PRIVATE PARTNERSHIP FOR CONSERVATION – Kiel Drake (Bird Studies Canada)
16:30-18:00	Reception

Student Posters

18-Oct-18	
7:00-8:00	Breakfast-Reception Area
	SASKATCHEWAN BALLROOM B
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	Climate Change/Waste Management
	Tailings and Waste Rock Management
8:00-8:30	SMALL MODULAR REACTOR'S: APPLICATION TO MINING AND THE NORTH - Mark Wittrup (Clifton Associates Ltd)
	LARGE STRAIN CONSOLIDATION AND HYDRAULIC CONDUCTIVITY TESTING OF FINE TAILINGS - Julian Gan (SNC-Lavalin Inc.)
8:30-9:00	CHALLENGES IN COVER DESIGN, RECLAMATION, AND REVEGETATION OF TAILINGS IMAGINING A WILDLIFE PARK OR PRESERVE AS AN ALTERNATIVE END AND USE OPTION FOR THE MOUNT POLLEY MINE - Lisa Kempenaar (Golder Associates)
	TRIGGER ACTION RESPONSE PLANS (TARPS) FOR OPTIMIZING PERFORMANCE AND MANAGING RISK IN TAILINGS MANAGEMENT FACILITIES - Trevor Podaima (SRK Consulting (Canada) Inc.)
9:00-9:30	COMMUNICATING UNCERTAINTY IN MINE WASTE COVER PERFORMANCE MODELING - Maritz Rykaart (SRK Consulting (Canada) Inc.)
	SLOPE STABILITY MANAGEMENT WITHIN A TAILINGS (DAM) SAFETY MANAGEMENT SYSTEM – D. Chad LePoudre (SNC-Lavalin Inc.)
9:30-10:00	ENVIRONMENTAL – INCIDENTS OBED MOUNTAIN MINE – 5 YEARS AFTER UPDATE AND PROGRESS - Andy Etmanski (Millennium EMS Solutions Ltd)
	PROGRESS ON A NEW ENVIRONMENTAL CONSEQUENCE CLASSIFICATION SYSTEM FOR MINING DAMS IN CANADA - Lee Nikl (Golder Associates)
10:00-10:30	Break
10:30-11:00	FROZEN FOUNDATION DAM: FIT FOR PURPOSE TAILINGS MANAGEMENT SOLUTIONS - Kendall Cator (SRK Consulting (Canada) Inc.)
	COVER SYSTEMS AND LANDFORMS FOR CLOSURE OF MINE WASTE STORAGE FACILITIES - PRACTICAL INSIGHTS WITH A FOCUS ON SASKATCHEWAN - Speaker TBD (SNC-Lavalin Inc.)
11:00-11:30	CLIMATE CHANGE FOR NORTHERN LATITUDES: CONSIDERATIONS FOR ENGINEERING IN A FUTURE OF KNOWN UNKNOWNNS - Lindsay Tallon (O'Kane Consultants Inc.)
	RESULTS OF PRELIMINARY COMPETENCY TESTING OF PASTE BACKFILL DERIVED FROM URANIUM LEACH BY-PRODUCTS - Troy Boisjoli (NexGen Energy Ltd.)
11:30-12:00	IS MINING A RENEWABLE ENERGY INDUSTRY? – Brian Yates (Stantec Consulting Ltd.)
	THE INVESTIGATION OF AN ALTERNATIVE TAILINGS DEPOSITION SYSTEM FOR URANIUM TAILINGS - Erik Ketilson (SRK Consulting (Canada) Inc.)
12:00-12:30	Keynote: Lin Gallagher (Deputy Minister - Ministry of Environment) MINISTRY OF ENVIRONMENT UPDATE
12:30-13:30	Lunch
	SASKATCHEWAN BALLROOM B
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	Groundwater and Surface Water Management
	Reclamation and Regulatory Initiatives
13:30-14:00	APPLICATIONS OF A CONDUCTIVITY-ALKALINITY RELATIONSHIP AS A TOOL TO IDENTIFY SURFACE WATERS IN REFERENCE CONDITION FOR ENVIRONMENTAL MONITORING – Catherine Proulx (Kilgour & Associates)
	USE OF NON-TRADITIONAL MATERIALS TO CAP NORTHERN MINE SHAFTS – Mike Webster (Cameco Corporation)
14:00-14:30	DERIVATION OF EXPOSURE BASED RELEASE LIMITS FOR EFFLUENTS – Stacey Fernandes (Canada North Environmental Services)
	IMPACT ASSESSMENT AGENCY: WHO IS IN CHARGE OF THE PROCESS? - Mark Wittrup (Clifton Associates Ltd)
14:30-15:00	REPRESENTING UNCERTAINTY IN GROUNDWATER VULNERABILITY ASSESSMENTS – A CASE STUDY AQUIFER VULNERABILITY INDEX (AVI) ASSESSMENT OF NTS MAP AREA 073B (SASKATOON) - David M. Ferris (University of Saskatchewan)
	MOUNT POLLEY MINE EMBANKMENT FAILURE: OVERVIEW OF IMPACTS TO WATER QUALITY AND LAKE PRODUCTIVITY - Barbara Wernick (Golder Associates)
15:00-15:30	Break
15:30-16:00	CONTROLS ON THE EVOLUTION OF THE STABLE ISOTOPES OF OIL SANDS MINE SITE WATERS - Spence J. Chad (University of Saskatchewan)
	APPLICATION OF SITE SPECIFIC RISK ASSESSMENT AND RISK BASED NOVEL REMEDIATION ACTION PLAN AT SALT IMPACTED SITES - Ian Ursu & Todd Han (Matrix Solutions Inc.)
16:00-16:30	WATER SOURCING IN SOUTHERN SASKATCHEWAN - Jessica Perras - SNC-Lavalin Inc.)
	COLLABORATION STRATEGIES IN THE PLANNING AND OPERATION OF MINE TAILINGS FACILITIES - Brian Bellmore (Barr Engineering Company)
16:30	Conference Closes
16:45	SMA Environment Committee Roundtable