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- ALS Canada Ltd.
- Arcadis Canada Inc.
- Barr Engineering Co.
- Bird Studies Canada
- Canada North Environmental Services (CanNorth)
- Clifton Associates Ltd.
- GFL Environmental Inc.
- Saskatchewan Research Council
- SNC-Lavalin Inc.
- Trace Associates



Environmental Forum 2018

October 16, 2018

16:30 - 18:00 Welcome Reception / Registration
Saskatchewan C Ballroom, Saskatoon Inn

Time	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 A	SASKATCHEWAN BALLROOM B
	Environmental Management and Best Practice	Biodiversity and Wildlife
	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)
8:30-9:00	TOWARDS SUSTAINABLE MINING AND RESPONSIBLE SOURCING – Shane Borchardt (Mining Association of Canada)	MITIGATING SONGBIRD COLLISION RISK WITH PROJECT INFRASTRUCTURE DUE TO LIGHT ATTRACTION - Ilya Povalyaev (Golder Associates)
9:00-9:30	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 - Jamie Page & Lyndsey MacBride (SNC-Lavalin Inc.)
9:30-10:00	Break	
10:00-10:30	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 Sask.)
10:30-11:00	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)
11:00-11:30	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.)
11:30-12:00	Keynote: Rangı Jeerakathil (Partner - MLT Aikins LLP) - FEDERAL ENVIRONMENTAL ASSESSMENTS	
12:00-12:30	Lunch	
12:30-13:30	SASKATCHEWAN BALLROOM A	SASKATCHEWAN BALLROOM B
	Groundwater and Surface Water Management	Biodiversity and Wildlife
	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)
	SCISSORS CREEK WATER SUPPLY STUDY (AEM Work) - Randy Brehm (Nutrien) & Ian Judd-Henrey (Wood Canada Ltd.)	MOSAIC BELLE PLAINE WILDLIFE MANAGEMENT PLAN - Terry Zwarich & Ashley Message (The Mosaic Company)
14:00-14:30	Break	
14:30-15:00	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)
15:00-15:30	INSTALLATION OF WESTBAY MULTILEVEL SYSTEMS IN CHALLENGING CONDITIONS - Vernon Banks (Wood Environment & Infrastructure Solutions)	SUSTAINABLE MINING - THE NEW BUSINESS IMPERATIVE - Robyn Pollock (ERM Consultants Canada Ltd.)
15:30-16:00	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)
16:00-16:30	Reception	
16:30-18:00		

Time	18-Oct-18	
7:00-8:00	Breakfast-Reception Area	
	SASKATCHEWAN BALLROOM A	SASKATCHEWAN BALLROOM B
	Climate Change/Waste Management	Tailings and Waste Rock Management
	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 - Kevin Freistadt (SNC-Lavalin Inc.)
8:00-8:30	CHALLENGES IN COVER DESIGN, RECLAMATION, & REVEGETATION OF TAILINGS IMAGINING A WILDLIFE PARK OR PRESERVE AS AN ALTERNATIVE END USE OPTION FOR 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.)
8:30-9:00	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.)
9:00-9:30	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)
9:30-10:00	Break	
10:00-10:30	FROZEN FOUNDATION DAM: FIT FOR PURPOSE TAILINGS MANAGEMENT SOLUTIONS - Kendell Cator (SRK Consulting (Canada) Inc.)	COVER SYSTEMS & LANDFORMS FOR CLOSURE OF MINE WASTE STORAGE FACILITIES - PRACTICAL INSIGHTS WITH A FOCUS ON SASKATCHEWAN - Brian Ayres (SNC-Lavalin Inc.)
10:30-11:00	CLIMATE CHANGE FOR NORTHERN LATITUDES: CONSIDERATIONS FOR ENGINEERING IN A FUTURE OF KNOWN UNKNOWNs - 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.)
11:00-11:30	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.)
11:30-12:00	Keynote: Honourable Dustin Duncan (Minister - Ministry of Environment) MINISTRY OF ENVIRONMENT UPDATE	
12:00-12:30	Lunch	
12:30-13:30	SASKATCHEWAN BALLROOM A	SASKATCHEWAN BALLROOM B
	Groundwater and Surface Water Management	Reclamation and Regulatory Initiatives
	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)
	DERIVATION OF EXPOSURE BASED RELEASE LIMITS FOR EFFLUENTS – Stacey Fernandes & Caroline Lucas (Canada North Environmental Services)	IMPACT ASSESSMENT AGENCY: WHO IS IN CHARGE OF THE PROCESS? - Mark Wittrup (Clifton Associates Ltd)
13:30-14:00	REPRESENTING UNCERTAINTY IN GROUNDWATER VULNERABILITY ASSESSMENTS – A CASE STUDY AQUIFER VULNERABILITY INDEX (AVI) ASSESSMENT OF NTS MAP AREA 073B (SASKATOON) - David M. Ferris (U of Sask.)	MOUNT POLLEY MINE EMBANKMENT FAILURE: OVERVIEW OF IMPACTS TO WATER QUALITY AND LAKE PRODUCTIVITY - Barbara Wernick (Golder Associates)
14:00-14:30	Break	
14:30-15:00	CONTROLS ON THE EVOLUTION OF THE STABLE ISOTOPES OF OIL SANDS MINE SITE WATERS - Spencer J. Chad (University of Saskatchewan)	APPLICATION OF SITE SPECIFIC RISK ASSESSMENT & RISK BASED NOVEL REMEDIATION ACTION PLAN AT SALT IMPACTED SITES -Todd Han (Matrix Solutions Inc.)
15:00-15:30	WATER SOURCING IN SOUTHERN SASKATCHEWAN - Jessica Larsen (SNC-Lavalin Inc.)	COLLABORATION STRATEGIES IN THE PLANNING AND OPERATION OF MINE TAILINGS FACILITIES - Brian Bellmore (Barr Engineering Company)
15:30-16:00	Conference Closes	
16:00-16:30	SMA Environment Committee Roundtable	
16:30		
16:45		