

CONFERENCE PROGRAM					
		Tuesday	γ, June 14, 2022		
13:00 - 17:00		Short Course - Precipitation and Stormwater Management for Mine Closure: Analysis an	d Design - Bill Kappel, Nathan Haws		
	17:30 - 17:40	Introduction and Welcome - Dirk van Zyl, Professor Emeritus, University of British Colu	0 11 /		
17:30 - 18:30	17:45 - 18:30	Opening Keynote Speaker - Dr. Jocelyn Fraser, Research Associate, Bradshaw Research Initiative for Minerals and Mining, University of British Columbia			
17:30 - 20:00		Exhibit Hours	9/		
17:30 - 20:00		Icebreaker Welcome Reception			
17.30 - 20.00			ov. lune 15, 2022		
			ay, June 15, 2022		
07:30 - 09:00		Registration Open			
07:30 - 08:30		Speakers Breakfast			
09:00 - 17:00					
08:30 - 9:30	08:30 - 8:40	Introduction, Welcome and Safety Share - Dirk van Zyl, Professor Emeritus, University of British Columbia			
	08:40 - 8:45	Patron Sponsor Welcome - Dr. David Luzi, Senior Principal at Stantec			
		Keynote Speaker - Kate Sommerville, General Manager, BHP			
	08:45 - 9:30	Water in Mine Closure – Let's Reimagine our Legacy			
9:30 - 10:00		Refreshment Break			
		SESSION 1: Mine Water Management	SESSION 2: Mine Water Characterization and Prediction		
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		Chair: David Luzi	Chair: Nathan Haws		
		24. Hydrometric monitoring and Effluent Discharge Mixing in Challenging Natural	23. Transient Simulation of Dewatering to Estimate Potential Effects to Water Resources for an		
	10:00 - 10:20	Conditions - Michael Barrett	Open Pit Lithium Mine in NC - Shane McDonald		
		41. Improving the performance of Mineral Flotation by treating Process Water - Richard	25. Seamlessly Integrated Modeling Approach: From Conceptual Geological to Numerical		
	10:20 - 10:40	Dixon (Online)	Models - Mundzir Basri		
		60. Water Treatment Intake and Fish Barrier Design in Mountainous Streams - Avneet	71. Investigating Ammonia Loading Mechanisms at an Underground Gold Mine - Pascal		
10.00 10.00	10:40 - 11:00	Button and Matthew Graham	Marcotte		
10:00 - 12:00		54. Suggested Best Practices for Water Stewardship in Mining - Simone Dennison	49. The model is wrong get over it – uncomfortable truths and decision making with		
	11:00 - 11:20	· · · · · · · · · · · · · · · · · · ·	mathematical models - Jason Morrissey		
		56. Predictive mine water balance modelling – does accurate mean reliable? - Ali	6. Mineral Reaction and Solute Loading Rates from Field ARD Test Pads at the Bagdad mine in		
	11:20 - 11:40	Naghibi	Arizona - Madhumitha Raghav (Online)		
	11.20 11.40	72. Industrial Scale Non-Biological Selenate Removal – Examples of Plants & Criteria	69. Watershed Recovery in the Elliot Lake Area 20 Years Post Closure - Jess Tester and Holly		
	11:40 - 12:00	behind Process Selection - HC Liang	Heffner		
12:00 - 13:00	11.40 - 12.00	Lunch	inemer .		
12.00 - 13.00					
		Plenary Session Chair: Dennis Gibson - President Snowline Group			
13:00 - 14:00	13:00 - 13:20	34. Water in Tailings: a review of 20 years of post-closure tailings performance - Clara Balasko			
	13:20 - 13:40	51. Climate change impact on water management design for the rehabilitation of the former rum jungle uranium mine - Danielle O'Toole			
	13:40 - 14:00	47. PFAS and the Mining Industry: Understanding the Challenges - Justin Hains			
14:00 - 14:30		Refreshment Break			
		SESSION 3: Mine Water Management	SESSION 4: Water Treatment		
		Chair: Henlo Du Preez	Chair: TBD		
		46. Improving Efficiency in Underground Mine Process Water Reticulation Systems -	10. Thermally activated minerals and waste for mine water treatment - Luliana Laura Calugaru		
	14:30 - 14:50	Wayne Johnstone	(Online)		
14:30 - 16:30		35. An Overview of Risk Allocation and Delivery mode for Desalinated Water Supply	42. Complete Nitrate Removal Using a Novel Ion Exchange and Encapsulated Bacteria System -		
	14:50 - 15:10	Projects in Mining - Richard Dixon (Online)	Sivan Iswaran		
		28. Groundwater Recharge Estimates in Mine Site Using Integrated Hydrological Model:	16. A Novel Photocatalytic Approach to Passive Mine Water Treatment - Jeffrey Martin		
	15:10 - 15:30	Review and Critique - Mundzir Basri			
		55. Managing AMD During Design and Construction of the Expanded Bunker Hill Central	17. Biogeochemical Attenuation of Selenium and Nitrate in Mine Contact Waters - Dickson		
	15:30 - 15:50	Treatment Plant - Charles Hand	Atuke		
		59. Restoring Performance of RO Membranes with Severe Scaling from Contaminated	48. Asset-Level Benchmarking of Water Use and Production Risk in the Mining Industry -		
		Tailing Pond Water Source using Specialty Cleaners - Mazen Ellabban	Raymond Philippe (Online)		
	15:50 - 16:10	- Emily State Source doing specially sicuries muzel Endoun			
	15.50 10.10	68. Engineered controls to mitigate nitrate leaching from explosives in blast holes -	20 Innovative Approach to Active and Passive Water Treatment for Complex Water Complex		
		Johan Hawinkel	20. Innovative Approach to Active and Passive Water Treatment for Complex Water Quality		
	16:10 16:20	Julian nawinker	Applications: The Removal and Recovery of Transition, Post-transition, Lanthanide, and Actinide		
	16:10 - 16:30		Metals - Joseph Laurino		
17:00 - 19:00	1	Reception			

		Thursday, June 16, 2022			
08:00 - 09:00		Registration Open			
07:30 - 08:30		Speakers Breakfast			
09:00 - 17:00		Exhibit Hours			
8:30 - 9:15	8:30 - 8:40	Introduction, Welcome and Safety Share - Dr. Brenda L. Bailey, Senior Geochemist/Senior Associate at Stantec			
		Keynote Speakers:			
0.50 5.15		Tania Demchuk - Assistant Deputy Minister, Ministry of Energy, Mines and Low Carbon Innovation, British Columbia			
	8:40 - 9:15	Laurel Nash - Assistant Deputy Minister for Strategic Partnerships and Initiatives Division, British Columbia.			
9:15 - 9.45	9:15 - 9:20	Introduction - Dr. Brenda L. Bailey, Senior Geochemist/Senior Associate at Stantec			
9:20 - 9:45		Keynote Speaker - Dr. Caspar Amman - Chief Scientist, Climate Strategies Group			
9:45 - 10:15		Refreshment Break			
		SESSION 5: Closure Water Management	SESSION 6: Water Treatment		
		Chair: Jeremy Scott Collyard	Chair: Dickson Atuke		
10:15 - 11:55		18. Tiered Approach to Successful Construction of Sulfate Rich Water Passive Treatment	2. Removal of selenium by reduction to selenite and surface complexation - Marc Laliberté an		
	10:15 - 10:35	System - Jason Dodd	Myriam De Ladurantaye-Noël		
		31. The State of "Zero Liquid Discharge" - John Sainas	3. Lab-Scale Bioremediation Treatability Studies for Legacy Mines and Lessons Learned -		
	10:35 - 10:55		Leonard Santisteban		
		50. Quellaveco Mine water supply, a stewardship approach - Enrique Buschiazzo	9. Treatment of a Thickener Overflow in Metal Mining Using Membrane Separation		
10:15 - 11:55	10:55 - 11:15		Technologies - Sanaz Mosadeghsedghi		
		5. A Tale of Two Treatment Systems: Evaluation of Active and Passive Treatment	43. A Selective Sulphate Removal Plant Using an Innovative Approach to Ion Exchange - Sivan		
	11:15 - 11:35	Strategies For A Legacy Mine - Ren Bryce	Iswaran		
		45. Optimizing Contact Water Treatment during the Lupin Mine Closure - James	62. Heavy metal removal from polluted waters using Schoenoplectus californicus and		
	11:35 - 11:55	McKinley	Phragmites australis - Maribel Guzman		
12:00 - 13:00		Lunch Break			
13:00 - 14:00		Panel Discussion:			
		32. ECO Score: a new environmental standard for industry and its applicability in water management - David Vexler			
		Moderator:			
		Andrew Watson			
		Panelists:			
		David Vexler, Manager Corporate Environmental Affairs, Hocschild Mining			
		Dickson Atuke, Director, Water Management and Stewardship, Conuma Resources Ltd.			
		Keith Dickson, Manager Water Resources - Upstream, Suncor Energy Inc.			
14:00 - 14:30		Refreshment Break			
		SESSION 7: Water and Tailings Management	SESSION 8: Water Treatment		
		Chair: Andrew Watson	Chair: H.C. Liang		
		19. Review of internet-of-things enabled monitoring systems for tailings storage	38. Metals Removal in a Two Stage HDS Pilot Study on Concentrated Mine Water - John		
	14:30 - 14:50	facilities - Ali Siamaki	Schubert		
		14. Emerging From a Regulatory Corner in the Oilsands - Lindsay Tallon	13. Evaluating Novel Organic Substrates for Sulfate-Reducing Biochemical Reactors Treating		
14:30 - 16:30	14:50 - 15:10		Mine Water - Leonard Santisteban		
		7. Market Viable Products from Mine Tailings - Stefka Ormsby	29. Biological Treatment of Uranium at the Historical Schwartzwalder Mine, Colorado, USA - Ji		
	15:10 - 15:30		Harrington		
		22. Quantifying Flood-Induced Risk to Tailings Embankment Stability: Avoiding the	52. Seven Years of PFAS Planning and Removal: Lessons Learned for the Mining Community -		
	15:30 - 15:50	Alarmist Model - Assaf Wunsch	Pierre Kwan		
		57. Towards Autonomous Tailings Monitoring with Amphibious Robots - Nicolas Olmedo	61. Accurately forecasting the extra treatment cost associated with removal of lesser regulate		
	15:50 - 16:10		PFAS species in water - Matilda Kearney		
			33. IIoT: Benefits and Process Optimisation in the Management of remote Dewatering System		
	16:10 - 16:30		Andrea Pezzi (Online)		