



## 12<sup>th</sup> ICARD – Proactive Measures and Lasting Outcomes

### Okane Consultants Short Course Outline

**Short Course Title:**

Integrated Mine Closure to Achieve Better Acid Mine Drainage (AMD) Outcomes Now and into the Future

**Key Themes:**

Mine planning, managing, closing mine waste facilities, future land use, alternative land use, climate change effects

**Date:** September 18-25, 2022

**Abstract/ Course Description:**

Mine closure doesn't need to be a risk, and it shouldn't be an afterthought. Future land use must be considered at the beginning of a mining project and integrated throughout the mine lifecycle. By taking an integrated approach to mine planning and closure planning, AMD risks can be identified, and mitigation realized throughout operations.

In this short course, a panel of experts will advocate for integrated closure to achieve sustainable outcomes and provide guidance on 'the how' of integration. With a range of technical backgrounds, and experience operating at various mine sites, the panelists' presentations will span a mine site's organization - from operation to boardroom. They will include technical challenges for AMD risk identification, as well as challenges embedded in the 'culture' of the mining industry. They will share unique observations about the differences in perspective throughout the mine lifecycle (development to operations), and how to integrate consistent thought towards future land use.

The presentations, and live panel discussion will provide a strategic approach to achieving integration, using tools that are already standard practice in the industry. Participants will leave with a better understanding of AMD management risks and tools to identify and communicate opportunities throughout their own organizations.

**Course Length:**

200 minutes of pre-recorded on-demand content

75 minutes of "live" panel discussion



### Course Outline:

The short course format will be a series of 10 short, pre-recorded presentations (20 minutes each) by industries leaders, following by a 75 minute roundtable and question period facilitated by Okane Consultants. Participants will then have an opportunity to interact with speakers, ask questions, and discuss any aspect of the short course or AMD management during live panel sessions, after having an opportunity to review the presentation in their own time over the four-week period lead up to the short course.

#### Pre-recorded content

20 min	Setting the Stage for Integrated Mine Closure
20 min	International Network for Acid Prevention Overview
20 min	Environmental, Social Governance: The Role of the Board in Managing AMD Risks
20 min	End to End Integration – The Modern Mine
20 min	Integrating Social Value into Mine Closure
20 min	Free Prior Informed Consent and Integrating Traditional Knowledge from Indigenous Communities
20 min	Developing and Toll-gating an Integrated Closure Project
20 min	AMD Risk Assessment: Geochemistry Throughout the Life of Asset
20 min	AMD Opportunity Identification: Optimizing NPV Through Integrated Mine Planning
20 min	Building Better Mine Rock Stockpiles: Realizing the Benefits of Integrated Closure Planning
<b>Total: 200 min</b>	

#### “Live” content:

**75 min** virtual roundtable and question period facilitated by Okane Consultants. Participants will then have an opportunity to interact with speakers, ask questions, and discuss any aspect of the short course or AMD management during live panel sessions, after having an opportunity to review the presentation in their own time over the four-week period lead up to the short course.