

CORPORATE GOVERNANCE OF TAILINGS FACILITIES – CHALLENGES AND CASE STUDIES OF IMPLEMENTATION

This full-day workshop will explore a range of topics related to good corporate governance and management of tailings facilities. It will begin by providing an overview of governance practices described in guidance documents developed by the Mining Association of Canada, and discussion of key challenges in implementing the updated guidance. The workshop will then further explore implementation of good governance through case studies focusing on topics including:

- Implementation of best available technologies and practices for tailings management
- Integrated approaches to risk to incorporate perspectives from diverse stakeholders.

The workshop will also provide an international perspective with respect to the work of the International Council on Mining and Metals on the development of international guidelines for tailings management.

PART 1: GOVERNANCE

By Charles Dumaresq, Mining Association of Canada

Charles will provide an overview on governance practices for tailings facility and describe the guidance documents developed by the Mining Association of Canada. Some of the opportunities and challenges related to the implementation of MAC's proposed tailings management systems will be discussed.

PART 2: IMPLEMENTATION OF BAP AND BAT FOR TAILINGS MANAGEMENT – MAC'S RISK-BASED MANAGEMENT FRAMEWORK

By Carl Iturralde and Peter Kimball, Stantec, Vancouver, Canada

- **Richard Dawson**, Stantec, Vancouver, Canada
- **Karvin Kwan**, Stantec, Vancouver, Canada

Course Background:

The mining industry is required to continuously improve their tailings management systems through the implementation of Best Available Practices (BAP) and Best Available Technologies (BAT). Recent catastrophic events remind the industry of the importance of managing their mining operations in a holistic manner. Stantec's mining group in Vancouver (previously Norwest Corporation) has been a leader in the development and implementation of BAP and BAT for tailings management for the past 20 years. Stantec engineers have completed designs and currently provide on-going engineering design for several tailings facilities locally and internationally, including filtered tailings operations and other technologies. In this workshop, we will discuss some case studies on implementation of BAP and BAT for tailings management at international mine sites following MAC's tailings management framework.

PART 3: INTEGRATED APPROACHES TO RISK IN TAILINGS, WATER AND MINE WASTE MANAGEMENT

By Kathryn Franklin, BGC Engineering, Canada

- **Michael Henderson**, BGC Engineering, United States
- **Professor Nadja Kunz**, The University of British Columbia, Canada
- **Dr Jocelyn Fraser**, The University of British Columbia, Canada

Course Outline:

- Introduction to tailings risks as they can be perceived from diverse perspectives (including operating companies, communities, regulators, governments, NGO's and investors), and the importance of bridging technical and social disciplines to have a full understanding of risk exposure.
- Leading practice approaches to quantifying and mitigating the diverse risks associated with tailings, water and mine waste management.
- Engaging diverse stakeholders in emergency planning and response.

PART 4: PANEL DISCUSSION AND CLOSURE

Lead by Charles Dumaresq, Mining Association of Canada

Panel discussion with all presenters.

COURSE FEE

- General: \$475
- Student: \$225