

TAILINGS DAM BREACH ANALYSIS –
DEVELOPING PRACTICAL SOLUTIONS FOR MINING INDUSTRY

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ABSTRACT

Due to several recent tailings dam failures public scrutiny around tailings dam safety is growing which has led several jurisdictions and many mining companies to re-evaluate the state of practice in dam breach analyses and inundation studies. Dam breach analyses and inundation studies are typically conducted to determine the dam consequence classification and for emergency response planning. But there are no generally accepted best practise method(s) for tailings breach analyses and thus there is a wide variation in how they are conducted. The variations of the results of such studies has implications for downstream communities and the environment.

The CDA Mining Dam Committee has taken several initiatives in the area of tailings dam safety management including preparation of a technical bulletin on tailings dam breach analyses. The objective of this workshop is to discuss the current practice of dam breach analyses from a holistic point of view utilizing the framework proposed in the CDA technical bulletin with a goal to develop practical solutions for the mining industry. The workshop will look at the technical, regulatory and operational challenges of breach analyses and will comprise several well documented recent case studies and useful “if/else” analyses with the application of advanced technologies. The workshop is intended to develop a path forward, with input from dam owners, experts, regulators and researchers.

The workshop will be organized as a collaborative effort between dam owners, regulators, expert professionals and academia. A detailed outline of the workshop with the list of presenters will be provided soon.

Who should attend: This workshop will benefit novice to experienced professionals who have a basic understanding of tailings dams and dam safety management and will be tailored for dam owners, engineers of record (EOR), dam safety professionals, emergency management personnel, regulators, and university students.

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COURSE FEE

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