



Dam Safety in the Mining Environment

Date: 25 and 26 October 2018

Venue: Exxaro Corporate Centre, 1 Roger Dyason Rd, Pretoria West, Pretoria, 0183

The National Water Act as well as the Dam Safety Regulations of 2012 aim at “improving the safety of the new and existing dams with a safety risk so as to reduce the potential harm to the public, damage to property or to resource quality”. For so-called “dirty water” dams (or dams for water containing waste), a dam owner must also comply with the Regulations on the “Use of Water for Mining and related Activities aimed at the protection of Water Resources” promulgated in 1999.

Not only are dam safety principles applicable to “dams with a safety risk” as defined by the relevant legislations in the mining environment, but also to smaller dams that still pose a risk to the environment and that should comply with the Regulations on the “Use of Water for Mining and related Activities aimed at the protection of Water Resources” promulgated in 1999.

The need was identified for a training workshop on “Dam Safety in the Mining Environment” hosted by SANCOLD in collaboration with Exxaro. Although the workshop will focus on the mining environment, all stakeholders involved with “dirty water” dams will benefit from this training workshop. It is however important to note that tailings dams are not part of the scope of the training workshop

Program:

25 October: Class room training at Exxaro Corporate Centre (1 CPD point)

- Regulation (both dam safety and “dirty water”);
- Typical types of dams and definitions;
- Potential failure modes with examples;
- Proper operation and maintenance including important aspects to be considered during design;

- Surveillance which include monitoring, inspections and evaluation; and
- Water balance concepts especially pertaining to the “dirty water” regulations;

26 October: Site visit to Matla Mine for practical application of class room training (0.5 CPD point)

- Transport to Matla Mine is the responsibility of each delegate.

Presenters:

Louis Hattingh is a dam safety specialist with more than 26 years' experience. He is pre-approved on the register of Approved Professional Persons according to the South African Dam Safety Regulations to perform dam safety evaluations for concrete arch, concrete gravity/butress and earthfill embankment dams up to 60 m. This experience also includes the evaluation of dirty water dams and their compliance with the relevant legislation. Louis is widely recognized as a leading trainer and hosts workshops and technical courses on dam safety (including “dirty water” dams) including dam surveillance for a range of government institutions, universities and professional bodies across Africa.

Gerald de Jager has been involved with international water projects for over 20 years and has extensive experience in water resources systems analysis, risk-based water allocation and drought management, water resource infrastructure development planning, transboundary water resources management, cascading reservoir and system operations, hydrological modelling, land use and water use assessments and climate change adaptation including water balance modelling of mining water systems. Gerald is widely recognized as a leading trainer and hosts workshops and technical courses on water resources management for a range of government institutions, universities and professional bodies across southern Africa.

Fees:

25 October: Class room training at Exxaro Corporate Centre (1 CPD point)

- For SANCOLD members: R 800,00 per delegate.
- For Non-SANCOLD members: R 900,00 per delegate

26 October: Site visit to Matla Mine for practical application of class room training (0.5 CPD point)

- For SANCOLD members: R 400,00 per delegate.
- For Non-SANCOLD members: R 450,00 per delegate

Registration:

Registration will be limited to the online registration system via the link <https://www.quicket.co.za/events/41580-sancold-lecturing-day/>. If you have any queries regarding registration, please do not hesitate to contact Louis Hattingh at halh@icon.co.za. SANCOLD reserves the right to cancel the course in the event of unforeseen circumstances.