ABSTRACT FOR ASDSO 2017

TITLE:
Considerations for precedent setting filtered tailings facilities in the future

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ABSTRACT:
For decades filtered tailings have been executed successfully in a variety of climates, for relatively coarse tailings at low production rates. As more projects are assessing the feasibility and implementing filtered tailings at precedent-setting tailings facility sizes, tailings production scales and climate conditions - careful thought and more rigorous design assessments need to be completed prior to construction. Often the best location for the filtered stack is on top of the existing tailings structure and this brings a variety of design issues. This paper outlines geotechnical, geochemical and water management considerations that should be taken into account for the design and operation of filtered tailings facilities.