

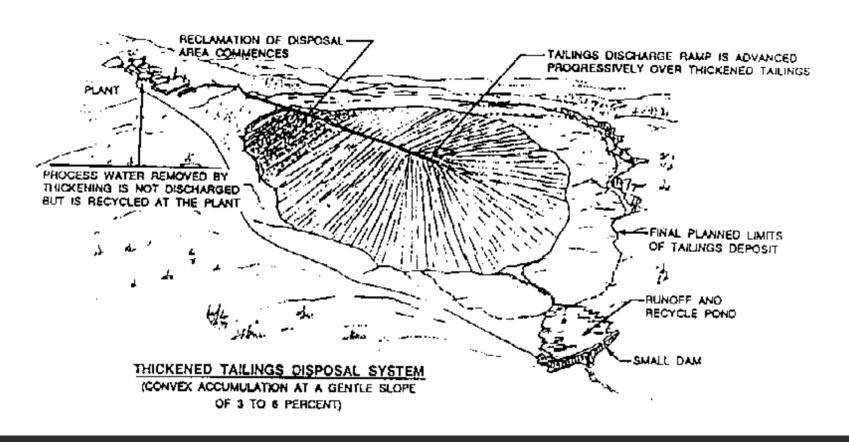
### CENTRAL THICKENED DISCHARGE FOR TAILINGS FACILITY CLOSURE



- Our Strong Historical Relationship
- Going Forward
- How We Are Now Structured
- Our Services and What Sets Us Apart
- Project Advocacy
- Our Strengths
- Why Retain Us
- Our Commitment

### WHAT IS CTD?

The original concept: Robinsky, 1975



Design Objective was to Reduce Impacts of Liquefaction

### FROM MY FRIEND ANDY FOURIE



BAP or BAT? A review of some dramatic changes in tailings management in the recent past and potential changes in the future

Andy Fourie

School of Civil, Environmental & Mining Engineering

### Paste and TT Impoundment Types:



1. Central Thickened Discharge (CTD)





De Beers Kimberley CTP, South Africa







### Mt Keith



### WHY USED CTD FOR CLOSURE?



### ...THE BATHTUB



# CONVENTIONAL PERIMETER DISCHARGE AND CENTRAL POOL

# CONVERSION TO CENTRAL THICKENED DISCHARGE FOR **CLOSURE**

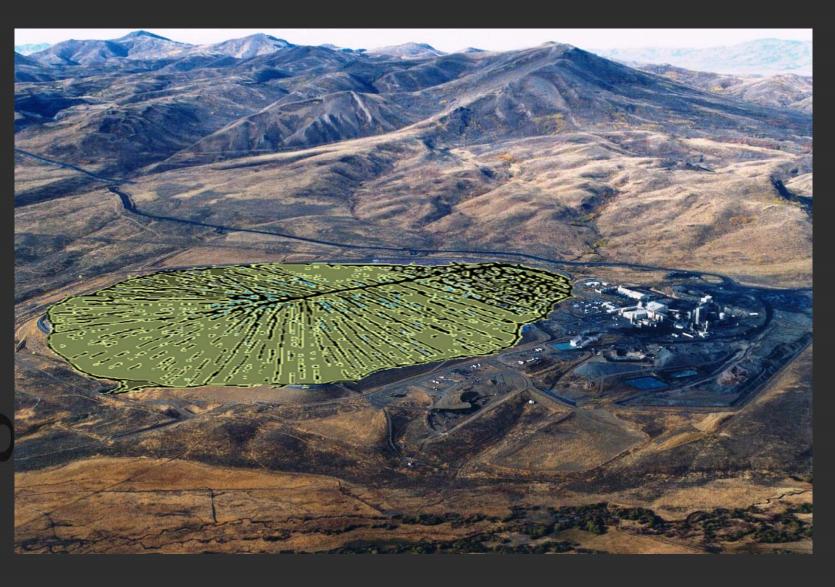






Figure 6-9: Covers and Climate Types (modified from Holdridge et al., 1971 by Wickland and Wilson)

