

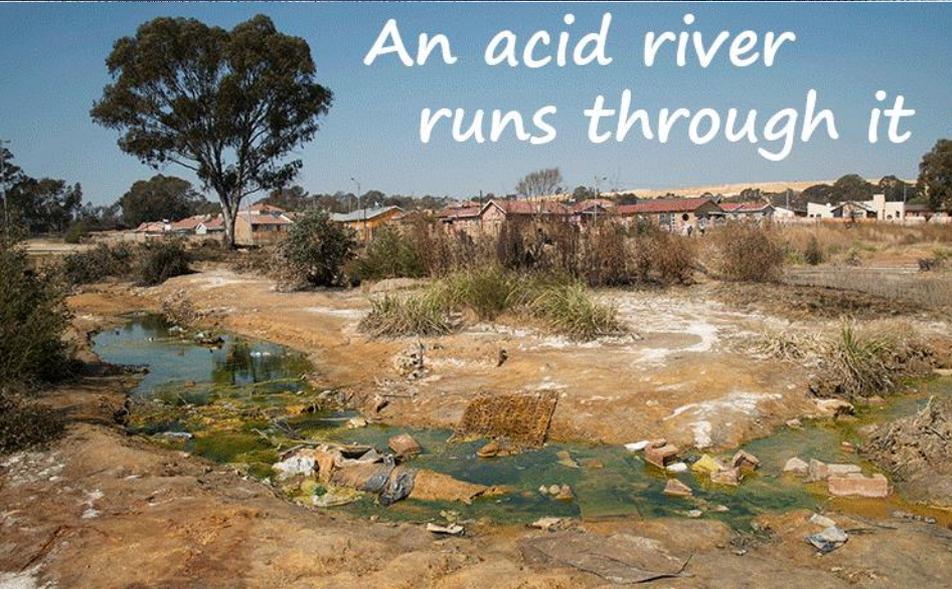


**STRATEGIC MATERIALS FOR A LOW-CARBON
FUTURE: FROM SCARCITY TO AVAILABILITY**

Break-out session 2b: The water-land-resource nexus

Jennifer Broadhurst

Minerals to Metals, University of Cape Town



An acid river
runs through it



The richest platinum mine in the world under development in the heart of the Limpopo Province of South Africa, surrounded by 8 villages



Princess tailings dump



Davidsonville

Defunct Mine Dump



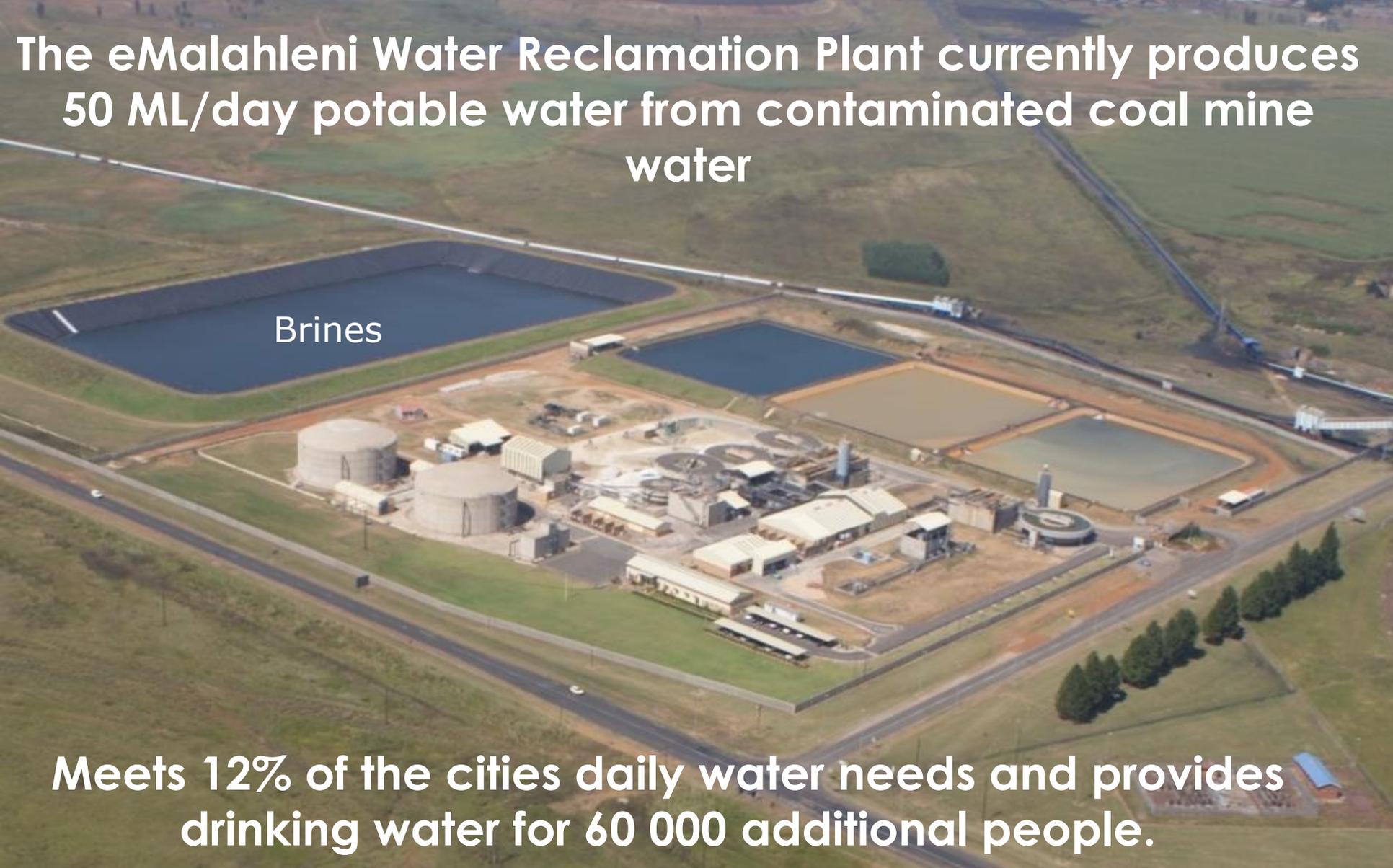
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**The eMalahleni Water Reclamation Plant currently produces
50 ML/day potable water from contaminated coal mine
water**

Brines



**Meets 12% of the cities daily water needs and provides
drinking water for 60 000 additional people.**

Amplats Mogalakwena Mine Water Partnerships



- The Northern Limb of the Bushveld Complex is located in the Limpopo Province of SA
- The Northern Limb is approximately 120km in length and a significant source of future platinum production in SA
- Anglo American Platinum operates the Mogalakwena open-pit mine – currently the only operating mine on the Northern Limb

In the history of humankind (and animal kind, too) those who learned to collaborate and improvise most effectively have prevailed.-Charles Darwin

