

Tailings Dewatering



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Current Status

- Proven at commercial scale
- Operated reliably for 24/7 for 19 months
- System controlled remotely without an onsite operator
- Deployments under negotiation in Australia, South America, and Europe



Block of consolidated tailings

Advantages

Economics

- Capex and opex are less than current technologies

ESG

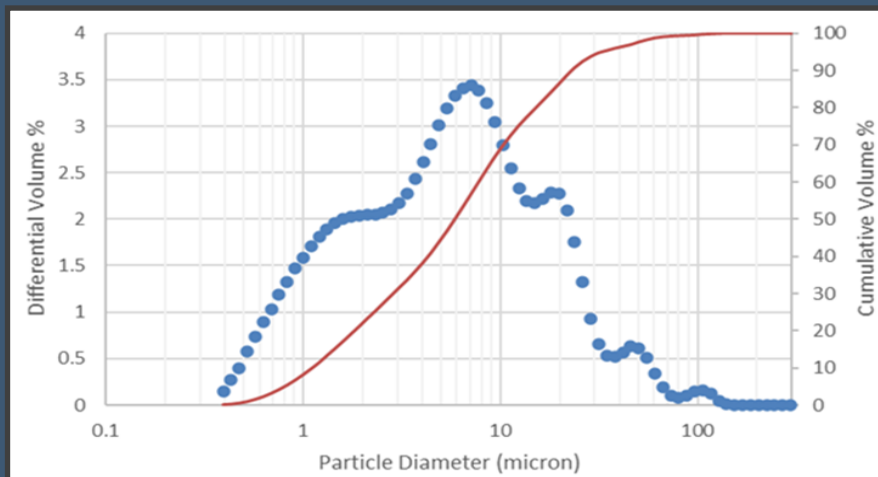
- Can be operated using solar energy
- Accelerated tailings consolidation and reclamation
- Increased recovery of reusable process water
- Consistent with global tailings standards



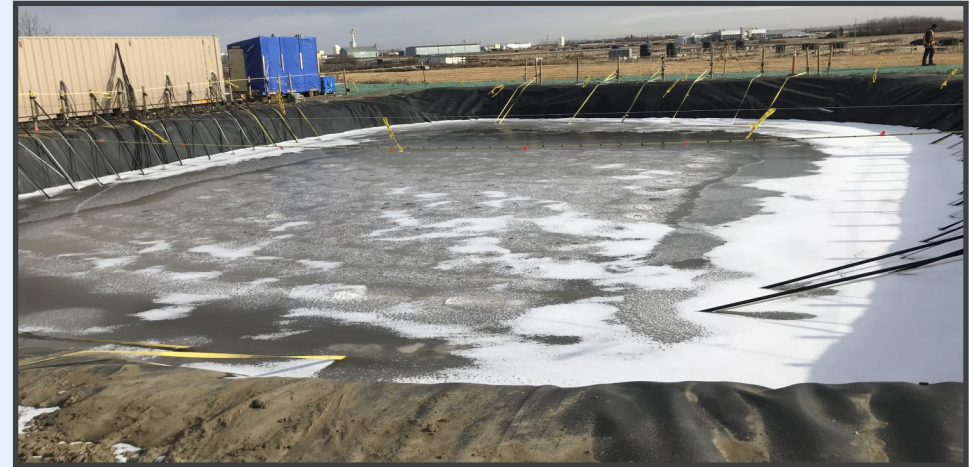
Filling the treatment pond with tailings

Initial Conditions

- Average Particle Size ~6 microns
- >95% of particles <44 microns
- Solids ~18% by weight



Particle Size Distribution Curve for tested FFT



Field demonstration test cell during treatment

After Treatment

- Field test met or exceeded all performance metrics
- >65% of pore water recovered
- Maximum of >60% solids by weight
- Energy ~15kWh per m³ of recovered water



Consolidated tailings after 19 months of treatment