



ERA

Progressive Rehabilitation at Ranger mine and Jabiluka



Progressive rehabilitation projects have been ongoing since the commencement of backfilling of Pit 1 with tailings in August 1996.



Since 2012 ERA has spent more than \$435 million on rehabilitation and water management activities.

Rehabilitation of the Ranger Project Area is collaborative and includes stakeholders



Minesite Technical Committee



Closure Criteria Working Group



Members of this committee include representatives of the Traditional Owners, the Northern Territory Government, the Commonwealth Government and ERA.



ERA is making significant advances with its rehabilitation programme and is on track to ensure that when its operations come to an end, the Ranger Project Area will be safely closed to a standard where it may be incorporated into the surrounding Kakadu National Park.

ERA has a staged rehabilitation plan that focuses on:

- ✓ adherence to the rehabilitation objectives as stated in the Environmental Requirements and Authorisation to Operate;
- ✓ the final storage of tailings in accordance with best practicable technology;
- ✓ backfilling of all pits;
- ✓ demolition of all above ground structures including the tailings dam and retention ponds;
- ✓ remediation of all contaminated soils and appropriate treatment of contaminated equipment in line with legislation;
- ✓ talking with Traditional Owner representative bodies regarding cultural landscape requirements in the final landform.
- ✓ Management of the region's transition to post mining.

Key Projects

1994 → 2020



Ranger Pit 1

Progressive rehabilitation started when mining ceased in Pit 1 in 1994.

Initial tailings coverage was completed at the start of 2016. In 2017, work commenced on the final waste rock backfill to prepare for the final landform shaping and revegetation.

2012 → 2025



Ranger Pit 3

Progressive rehabilitation started after mining ceased in Pit 3 in 2012. Waste rock underfill was placed between 2013 and 2014. Mill tailings deposited into Pit 3 from the plant from 2015.

Tailings from the dam deposited into Pit 3 since dredging began at the end of 2015.

Brine from the Brine Concentrator injected into the Pit 3 underfill via a series of injection bores commenced in 2016.

Tailings consolidation underway.

2006 → 2015



Jabiluka

The Jabiluka mineral lease remains in long term care and maintenance.

The interim water management pond was dismantled and more than 16,000 saplings were planted over a 10 year period. Revegetation monitoring and management is ongoing

Trial Landform Project

ERA trials revegetation techniques on more than eight hectares of trial landform.





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Pit 1



Pit 1 2000 – during tailings transfer



Pit 1 2012 – wick drain installation and dewatering



Pit 1 2016 – initial tailings cover complete

Pit 3

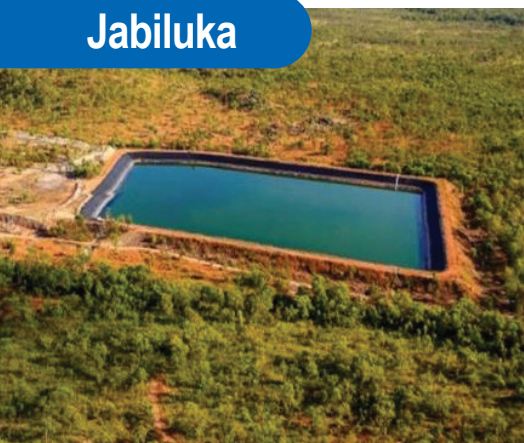


Pit 3 2012 – prior to the end of mining in November 2012



Pit 3 2016 – tailings transfer

Jabiluka



Jabiluka 2011 – interim water management pond



Jabiluka 2013 – initial rehabilitation of site after pond removal



Jabiluka 2016 – revegetation complete with monitoring and management ongoing