



Kurri Kurri Aluminium Smelter

HYDRO AUSTRALIA

Unique Attributes

- Demolition of smelter infrastructure - 2.2km of Potline plant and buildings to ground level or top of plinth or slab level
- Explosive demolition of three concrete stacks and one water tower, including removal of all slabs, retaining structures, plinths, foundations, roads, footpaths and services down to 1.5m below existing ground level
- Onsite concrete crushing and screening

Key Challenges

- Asbestos and hazardous waste removal, including asbestos contaminated soil abatement
- Bulk and detailed earthworks, backfilling and compaction, and contourworks associated with profiling the final landform into a free-draining site
- Asset recovery and salvage of nominated plant or equipment - 10,000t of aluminium busbar beneath the potline suspended slab, including anode and cathode flexes

Project Statistics

>150,000
TOTAL WORKHOURS

220,000T
CONCRETE CRUSHED, SCREENED & RECYCLED ONSITE

60,000T
SCRAP STEEL RECYCLED

50,000T
ASBESTOS CONTAMINATED SOIL REMEDIATED

- SITE ESTABLISHMENT
- STRIP OUT
- ASBESTOS REMOVAL
- MANUAL DEMOLITION
- MECHANICAL DEMOLITION
- EXPLOSIVE DEMOLITION
- INDUCED COLLAPSE
- CUT & LIFT DEMOLITION
- TEMP WORKS ENGINEERING
- ONSITE CRUSHING & SCREENING
- STEEL RECYCLING
- ENVIRO CONTROLS & MONITORING
- BULK EARTHWORKS
- DETAILED EARTHWORKS
- WATER DIVERSION & RUNOFF CONTROLS
- BACKFILLING & COMPACTION
- CONTOURWORKS
- HAUL ROAD CONSTRUCTION & MAINTENANCE
- CAPPING & CONTAINMENT
- ONSITE TIPPING & STOCKPILE MANAGEMENT

