



BLAYNEY DEWATERING PLANT

MAR - SEPT 2020
NEWCREST MINING LIMITED
\$2.4 M

DEMEX was engaged to carry out the decommissioning, demolition and disposal of the gold processing Old Blayney Dewatering Plant in Blayney, Located in western New South Wales.

Before demolition could begin, reclamation of residual mining products (copper and gold) coating the internal area of the site was required. Water jet pumps thoroughly washed down the entire site. Water was collected in a bunded area and fed into a wastewater filtration system where residual product was extracted. Value of reclaimed minerals returned twice the contract cost.

CHALLENGES

The project was characterised by safety and environmental challenges. The project's location abutting a railway line and live transformer required

the introduction of safety measures to eliminate any impact on infrastructure as the tall structure was demolished. A detailed, sequential 3D demolition plan outlined a process, limiting the number of workers entering the active demolition zone. Dust suppression, traffic and noise monitoring minimised local impact. Independent environmental monitoring verified complete removal of residual mining product.

OUTCOMES

Based on a remarkable performance throughout the safe, efficient delivery of this project on budget, on time, DEMEX was awarded subsequent site remediation work requiring decontamination of the entire site to allow leased land to be returned to the owner.