



# Liddell Power Station Sedimentation Basin

AGL MACQUARIE

## Unique Attributes

- Construction of a new sediment basin designed to provide a total water storage capacity of approximately 35,000m3
- Installation of two swale drains and an overflow system connected to Lake Liddell to manage excess flows
- Oil and Grit Trap cleaned and cleared of contaminated sludge to restore its operational capacity

## Key Challenges

- Volume of contaminated sludge significantly exceeded initial scope/expectations. Geotextile dewatering tube solution introduced to reduce overall volume prior to bulk load out and onsite capping and containment
- Sequencing of Oil & Grit Trap cleaning in parallel with basin works to maintain operational capacity and reduce environmental risks during (concurrent) demolition works

## Project Statistics

**>39,000M3**  
EARTHWORKS

**>9,700M3**  
CONTAMINATED SLUDGE REMOVAL

**2,300**  
TOTAL WORK HOURS

**35,000M3**  
WATER STORAGE CAPACITY

- GEOTECH ANALYSIS & SURVEYING
- BULK EARTHWORKS
- DETAILED EARTHWORKS
- SITE DEWATERING
- WATER DIVERSION & RUNOFF CONTROLS
- ENVIRO CONTROLS & MONITORING
- BACKFILLING & COMPACTION
- MATERIALS SOLUTION MANAGEMENT
- ONSITE TIPPING & STOCKPILE MANAGEMENT
- CONTOURING & DRAINAGE

