



*Groutech successfully prevented cave-ins, avoiding expensive down-time, by injecting microfine cement into the Chloe Fault Zone, even reaching hairline fractures and penetrating the silt stone above.*

## Newlands Saves \$2million A Day Through Groutech

FALLS and cave-ins along faults can stop longwall activity for days, costing an estimated \$2million a day.

Newlands Coal proactively solidified the strata ahead of their longwall activity by using Groutech to stabilise the Chloe Fault Zone.

Groutech's underground pre-consolidation program secures strata, reduces permeability and increases strength.

Holes are drilled through the fault zones and, using unique methods, we inject cement grout into the zone. We can do this long before the longwall is working near the zone, or as the longwall reaches the zone.

For Newlands, we injected 260 tonnes of microfine cement, with an average take of

13kg per metre. The cement particles were just 12 microns, so it got into voids thinner than paper.

Groutech is the only company injecting high volume, non-chemical grout into fault zones and gaining a 100% success record. We specialise in the supply, mixing and installation of cement grouts in underground applications.

### NEWLANDS NOW ENJOYS:

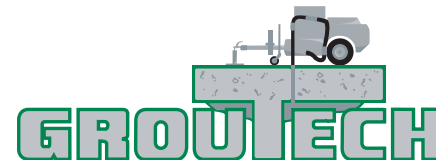
- Continuous productivity
- No more downtime from treated faults
- Increased safety for longwall operators
- Set-us-and-forget-us ease of planning
- Solidified strata, reduced permeability and increased strength
- Proactive management of cave-ins
- Proof of QA with written reports

Other projects include North Goonyella, Oakey Creek No.1 and Moranbah Coalmine.

### FOR MORE INFORMATION:

Call (07) 3284 4033  
[www.groutech.com.au](http://www.groutech.com.au)

**100% success,  
no reported cave-ins,  
Groutech works!**



(Aust) Pty Ltd