

**Client:**

Jellinbah Coal

Main Contractor:

Jellinbah Mining

Specialist Sub-contractors:

SEALS Group

Project description:

Haul road stabilisation

Haul Road 'A'

Location:

Bluff, Qld

Date:

April 2010

Product:

PolyCom Stabilising Aid

For detailed project information
contact:

SEALS Group

143-157 Harrison Road

Cedar Vale

Qld, 4285

Australia

Ph. 61 7 5543 1053

Ops manager - 0414 185 493

info@seals-group.comwww.seals-group.com

Project Facts

Jellinbah Coal Haul Road Stabilisation

Problem:

Jellinbah Coal Mine is situated west of Bluff, Qld. Haul road 'A' is constructed of mine spoil (mainly tertiary clays). Road structure was unstable in several areas requiring constant maintenance and watering for dust control. The running course was undulating and softened to depth during rain events.

Solution:

Deep compaction techniques were applied initially to strengthen the roads lower levels. After compaction the running course was stabilised (100mm) using PolyCom stabilising aid.

Project Aims:

1. Improve the haul road wear course to reduce maintenance and watering
2. Prevent softening after rain event
3. Reduce fuel consumption
4. Validate completed work

Validation:

Validation of improved road conditions after work -
Dynamic modulus of the road was improved from 38.8 to 69.
Rolling resistance was reduced by 15%
Translated to effective fuel savings and CO2 emissions of 5%

PolyCom has delivered a road with increased strength, and durability and with a high degree of water resistance. This surface also delivers improvements to tyre wear and fuel economy.



Road condition pre works