

ENGINEERING APPLICATIONS – PROJECT DESCRIPTION**New Acland Coal – Secondary Crusher Replacement**

Client: New Hope Coal, New Acland Coal Mine QLD

Project: Replacement of Secondary Crusher, including fabrication of new chutes and structural modifications

Duration: September 2013 to November 2013

Man Hours: Fabrication – 430
On-site Installation – 520

Description of ENAP's Scope:

ENAP's scope was awarded a project to undertake the site installation of new McLanahan Secondary Crusher for Plant Two at the New Acland Coal Mine. This scope also included the workshop fabrication of new chutes and structural modifications to suit the upgraded crusher. There was one week of preparation work to complete site inductions and complete structural modifications during plant operations, with the crusher and chute installation taking place over four days during the full plant shutdown.

ENAP's scope included:

- Workshop fabrication of structural steel modifications, including galvanised grid mesh and painted Monowills handrails
- Workshop fabrication of replacement mild steel feed chute, including external blast and painting and internal lining with 8/7 Arcoplate wear liners
- Workshop fabrication of replacement 3CR12 discharge chute
- Site structural modifications to existing support structure, including removing existing platform, reinstalling new platform and installing grid mesh and handrails
- Site installation work to remove existing crusher and redundant chutes, and installation of replacement crusher and chutes
- Site installation of crusher lube unit, including installation of Gr 304 Stainless Steel pipework to crusher



