



## BLUESCOPE PROJECTS BLAST FURNACE RELINE 2009

As a major contractor Allfab was involved in the planning and implementation of the project since 2006 and played a pivotal role in the completion of the No.5 Blast Furnace Reline.

Allfab's contract was to provide engineering, fabrication, installation and modification works to the Gas Cleaning and Hot Blast System's equipment and infrastructure.

Gas Cleaning involved the installation of major vessels and tanks as well as the piping and gas mains associated with the replacement of the existing scrubber system. The work involved a large amount of technical input and a high level of quality workmanship.

This involved the modification of the existing dustcatcher and replacement of the dust system, as well as converting the scrubber water system to recirculating fresh water. The upgrade of the Thickener hydraulic system and rundown water also formed part of the upgrade.

The replacement of the downcomer and unplanned renewal of the 143 Tonne diffuser were the heaviest lifts in the project requiring detailed planning, co-ordination and precise rigging and welding skills.

The Hot Blast System contract involved replacement of the Hot Blast Main, Bustle Main and Back Draught Main to improve the systems operation and reliability. This work had to be carried out whilst still keeping the stoves system warm to allow for the successful reigniting of the Blast Furnace.

Allfab initiated cost savings during the project by proposing the use of a scaffold tube support, welded onto the existing shell. This not only enabled the project to move forward, the cost saving achieved in both man hours and installation sequence, allowed the contract to be completed within time and under budget.

We completed over 306,000 hours on this project without a lost time injury.

Client Representative: Mr Phil Shroud  
Allfab Representative: Mr Paul Veitch/Mr Neil Carey

Project and Maintenance +  
Steel Fabrication +  
Site Installation and Construction +  
Management +  
Thermit Welding +

