



ABERGELDIE
COMPLEX INFRASTRUCTURE



Homebush V8 Supercar Track - December 2009

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KEEPING YOU IN THE LOOP...



2009 was an unpredictable year for Australian infrastructure but Abergeldie weathered the storm and is looking to the year ahead.

Highlights of 2009 included receiving the National Category 2 Civil Contractors Award for the Erskineville Railway Overbridge, Newcastle and Canberra office openings, commissioning Rig100; the worlds largest blind bore drill rig and building the V8 Supercar track for the Sydney 500.

2010 will be a golden year with exciting developments to continue Abergeldie's growth like the return of our shaft drilling fleet from the USA and opportunities with our inhouse steel fabrication business.

Mick Boyle
Managing Director, Abergeldie Complex Infrastructure™



Current Projects

complex infrastructure project update



Austar Mine No.3 Ventilation Shaft

AUSTAR COAL

The design and construction of a 465m deep ventilation and people riding shaft. The shaft will be used to provide ventilation and access to Austar's Stage 3 underground workings. A composite steel and concrete lining will have a finished internal diameter of 4.5m and will be water tight and maintenance free.

Value \$18 000 000



Wollongong STP Biosolids Handling and Odour Control

SYDNEY WATER CORPORATION

Wollongong STP treats waste water from domestic and industrial sources. The contract involves building a new biosolids and OCF which will enable waste to be treated to a higher standard.

Value \$ 8 000 000



Winmalee STP Modifications

SYDNEY WATER CORPORATION

Inlet work modifications, SBR and digester upgrades, equalisation basin works, wash down ring main, disinfection system and relocation of the first flush tank.

Value \$9 500 000



Dora Creek WWTW Stage 2 Upgrade

HUNTER WATER CORPORATION

Construction of new inlet works, septage receiving systems, new soil bed filter, new switchroom, two new clarifiers, new pump stations, modification of two bioreactors, all associated mechanical and electrical works, pipework and pumps, new access roads, landscaping, testing, commissioning and demolition of the existing inlet.

Value \$20 000 000

V8 Supercars Sydney 500

In June 2009 V8 Supercars awarded Abergeldie four contracts to complete the Telstra 500 temporary street circuit in Sydney Olympic Park, Homebush. These contracts required Abergeldie to complete the following works:

- Construction of race track infrastructure which included manufacture and construction of over 2,500 concrete barriers, 8km of debris fencing, 7 pedestrian bridges, pavement works, significant service relocations and foundations for temporary structures.
- Installation of infrastructure within tight tolerances and sequenced programming to minimize disruption to Sydney Olympic Park stakeholders.
- Maintenance of the infrastructure for the three day event. This included providing access for all stakeholders over three days.
- Removal of all track infrastructure and reinstatement of all medians, signs, bollards and footpaths to return Olympic Park to its original status.

The program was very tight and there was no allowance for extensions. Abergeldie overcame various restrictions including environmental conditions issued by the Sydney Olympic Park Authority. Additional constraints included working around hundreds of events that occurred between August and December; including the NRL finals, concerts and television filming. Abergeldie overcame pressures additional works produced without it affecting the completion schedule and other Abergeldie projects.

The project highlight was the management of complex logistics. Abergeldie fabricated the bridges, barriers and fences off site and upon delivery to site installed thousands of items within tight tolerances. This was the key to the success of the project and without the focus in this area the project would never have been completed on time.

Abergeldie worked closely with the V8 Supercars, IEDM and the Homebush Motor Racing Authority to contribute to an extremely exciting and successful event; one that Abergeldie hopes to be involved over the coming years.



Above Left: Abergeldie V8 Track Maintenance Team

Centre: Team Abergeldie enjoying the party Right: Crowds inspecting the cars before the race

Above: The start of the V8 race on the Abergeldie built circuit.

CANBERRA OPENING

Abergeldie's new premises in Canberra was officially opened on the 29th of October 2009.

Guests were treated to canapés and drinks to formally mark Abergeldie's expansion into the ACT. The office is located at 1/92 Hoskins St in Mitchell.

The afternoon was a great success, thank you to all that attended. We look forward to having a lasting business relationship with the ACT.

CONSTRUCTION BEGINS IN BRISBANE

Construction of the Brisbane office has commenced.

The brick building, which was originally the Northgate dairy factory, has been demolished to make way for two warehouses and an office complex.

The existing prefabricated tilt up will remain and staff will continue to operate from the Northgate office as normal.

The new premises will allow for onsite plant and equipment storage.



MACKAY OFFICE UPDATE

Abergeldie has purchased land at Pagent, Mackay for the second Queensland office to be constructed.

The development has been granted DA approval and in the short term has been transformed into a hard stand area for Abergeldie plant and equipment which is operating in Mackay.

RIG 100 AT AUSTAR COAL MINE

The worlds largest blind bore drill rig is now located at the Austar Coal Mine.

The 500 tonne rig is capable of drilling shafts up to 6.5m in diameter and 650 deep in any ground condition.

The project at Austar involves design and construction of a 465m deep shaft. Construction requires a high level of accuracy as the challenge is to maintain true verticality throughout the entire depth. The shaft will be constructed to within 250mm of it's centre line to eliminate complications when transporting workers and materials through the shaft. This represents an allowable tolerance of 0.05% for the entire shaft length.

The shaft will be used to provide ventilation and access to Austar's Stage 3 underground workings.

Rig 100 is the fifth rig Abergeldie Mining has fabricated in the past nine years. The rig took six months to complete due to parts being imported from around the globe.

Abergeldie is awaiting the return of it's blind bore drilling fleet from America to enable us to be of more assistance to our mining clients throughout Australasia.

If you want detailed information on how Abergeldie can be an asset to your mining infrastructure program please give us a call.



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