

# **RTA Yarwun**

**Commitments to Sustainable Development**



## RTA Yarwun - History

- Refines bauxite (from Weipa) into alumina.
- Was the first western-world refinery to be built in two decades.
- First shipments from the refinery were made in November 2004.
- Production capacity – 1.4 million tonnes alumina per annum.



## Environmental Compliance & Policy

- Committed to a HSEC Policy to create sustainable value from resources and relationships.
- Refinery certified to ISO 14001 Environmental Management System.



## Health and Safety

- Occupational Health System conforms with AS4801OHS system fully integrated with Environmental Management System.
- Committed to a HSEC Policy to create sustainable value from resources and relationships.



**Yarwun 2**

**If it's not safe,  
don't do it that way.**

## Community Engagement

- Yarwun Community Update: Quarterly public forum hosted by General Manager to discuss refinery activities.
- Publications: Quarterly Community Update, annual Sustainable Development Report.
- Advertising activities impacting the greater community.
- Industry Tours.
- Employee communication including weekly e-updates, monthly newsletters and employee surveys.
- Sponsorships and Donations Program.



## Community Engagement

- Indigenous Community Forum – Quarterly update.
- Regular liaison with key stakeholders through community interactions.
- Participation in community events.
- Rio Tinto Alcan Community Fund – Supports projects that address skills development, employment and the environment.
- Actively partners with Yarwun State School through events, programs and curriculum.



## Labour force recruitment and retention

- Goorie Pre-Employment Programme – 20 weeks including site work experience and formal TAFE studies.
- Funding for Gladstone Area Group Apprentices Limited (GAGAL) to support participants through a mentoring programme.
- Monitor and analyse data collected in employee surveys and exit interviews.
- Indigenous Training and Employment Strategy for Yarwun 2.



## Infrastructure Development

- Announcement of expansion of Yarwun in 2007.
- Key areas incorporated into the design of Yarwun 2 include:
  - Upgraded seawater neutralisation capacity by 350%.
  - Ability to decrease air emissions through:
    - Desulphurisation unit on the new boiler.
    - Low Nox burners in the boiler, gas turbine and heat recovery steam generator.
    - Baghouses on calciners and coal fired boiler.



## Infrastructure Development

- Maintain our energy efficiency focus with the duplication of tubular digestion.
- Installation of a Gas Cogeneration facility which will allow Yarwun to generate it's own power and export surplus power to the grid which will reduce greenhouse gas emission rates.
- The majority of equipment purchased for Yarwun 2 has been subject to a strict noise policy equating to a reduction in noise output of the machines by a half (82Db requirement).

