

Supplementary Submission Appendix One

ERA site presentation

Senate Inquiry in Environmental Regulation of uranium mining

1 October 2002



Energy Resources of Australia Ltd
turn with four stars

**RIO
TINTO**

Today's schedule

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Presentations

- Overview by Richard Weston, General Manager - Operations
- Safety by Clive Scobie, Manager - Safety and Health
- Environment by Chris Leiner, Manager - Environment
- Community by Warren Paull, Manager - Aboriginal Community Development

Ranger site tour

Lunch

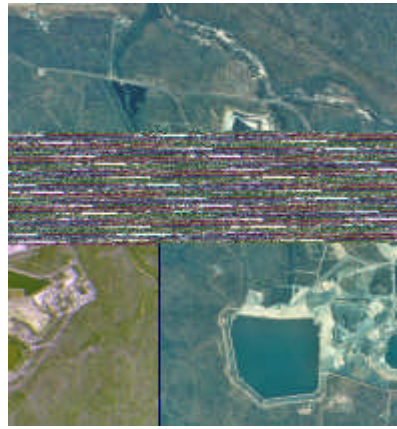
Jabiluka site tour

Comparison of ERA sites

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JABILUKA MINE
SCALE 1 : 38,000
MAY 1999

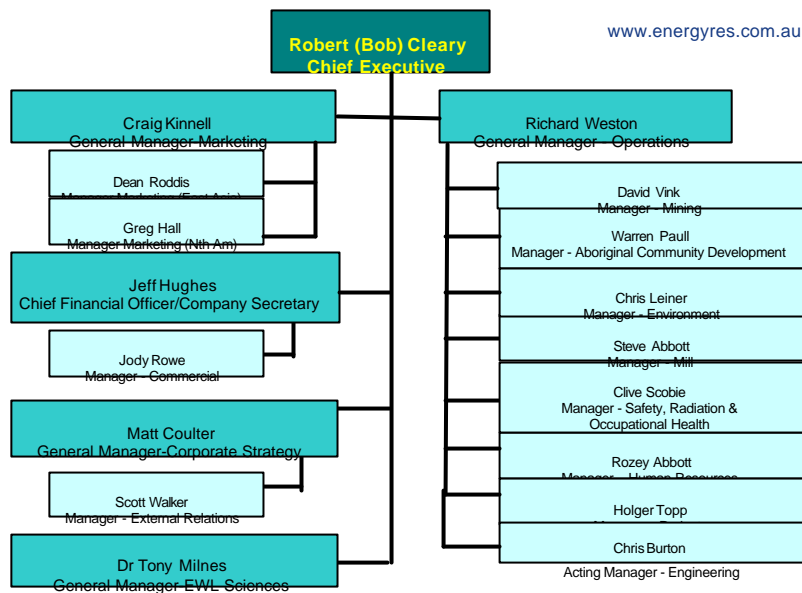


RANGER MINE
SCALE 1 : 38,000
MAY 1999

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ERA organisational chart

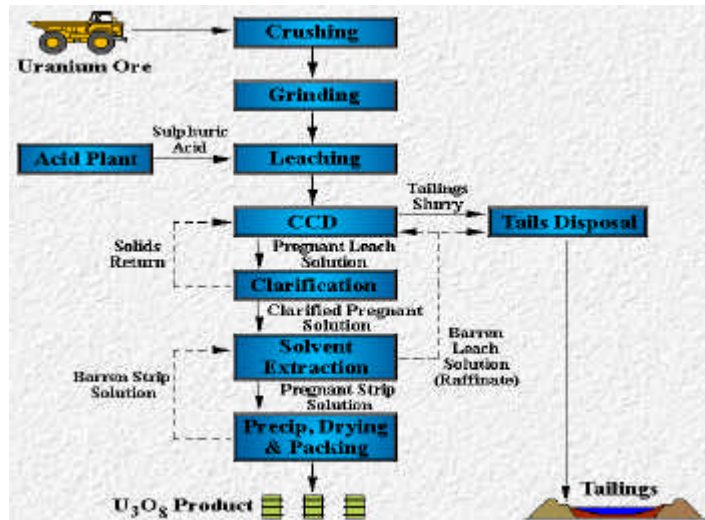
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Operational flowsheet

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ERA highlights

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Operations

- ERA employee levels approximately 260
- Ranger will produce minimum of 4,150 tonnes U₃O₈ in 2002
- Commencement and excellent progress on the Process Enhancement Process (PEP) which targets both productivity improvements and cost reductions without compromise to safety or environmental standards
- Completion of 'Forge the Future' program to develop leadership skills and awareness for the top 25 senior managers and superintendents with a focus on core values and activities

ERA highlights (cont)

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Safety

- Achievement of 12-months Lost Time Injury free 2 July 2002
- Full implementation of DuPont safety visit philosophy to encourage cultural change in employee attitudes and behaviours towards safety

Environmental

- Refocussing of environmental department for improved performance
- Restructuring of the department
- Strengthening of environmental management skills
- Environmental awareness and training for entire workforce

Aboriginal

- Continue efforts to increase level of aboriginal employment

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Safety



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Safety goals

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To achieve:

- Twelve months injury free target by 2 July 02
- Rio LTIFR target of zero by end July 2003

To reduce:

- Rio All Injury Frequency Rate by 50 per cent each year

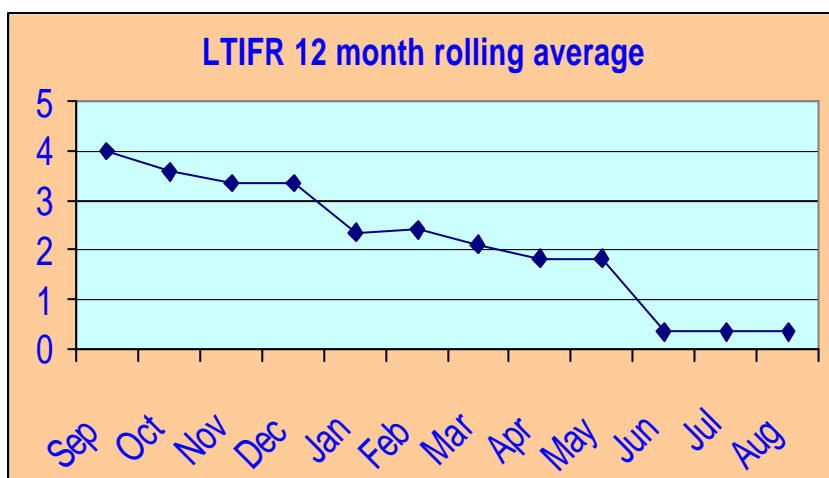
To become:

- the safest workplace within Rio Tinto
- the safest minesite within Australia
- the safest workplace in Australia

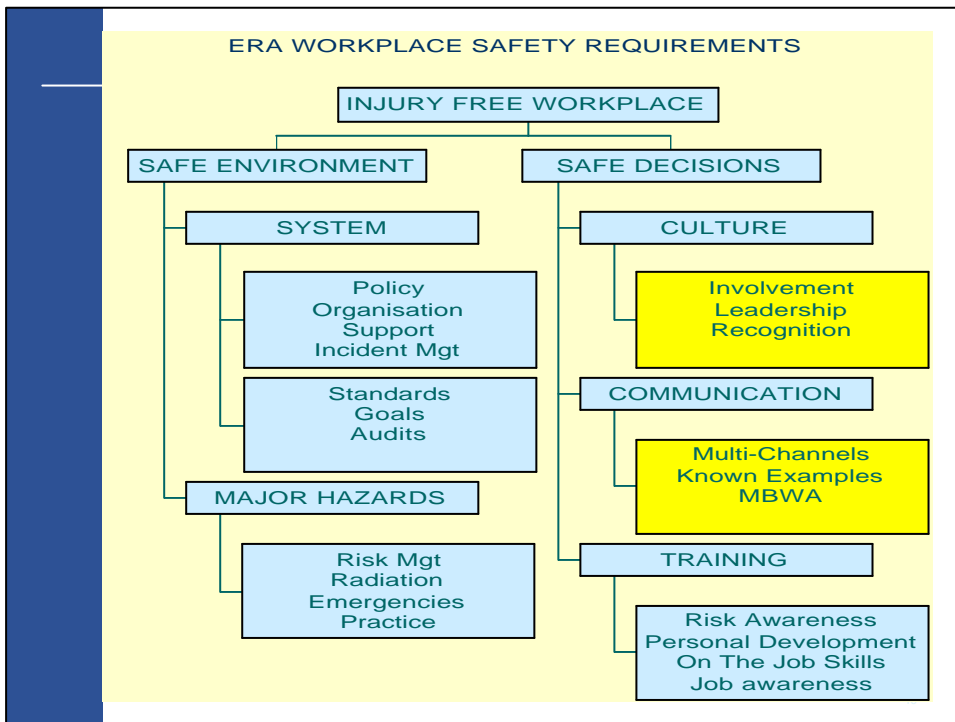
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ERA safety statistics (Rio Tinto standards)

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Safety strategies

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Safety visits

Training

- Managers
- Supervisors
- Workforce

Safety standards

- Rio Tinto
- Housekeeping
- Sitesafe safety management software

Measurement of injuries

- Change focus to all injuries (LTI plus MTI)

Manage catastrophic risk

- High consequence low probability risk

Safety achievements - July 2001 to August 2002

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Safety visits part of every day business

General Managers's safety group

Site Safety Committee revised

Safety training:

- DuPont
- Skills

Rio Tinto safety standards

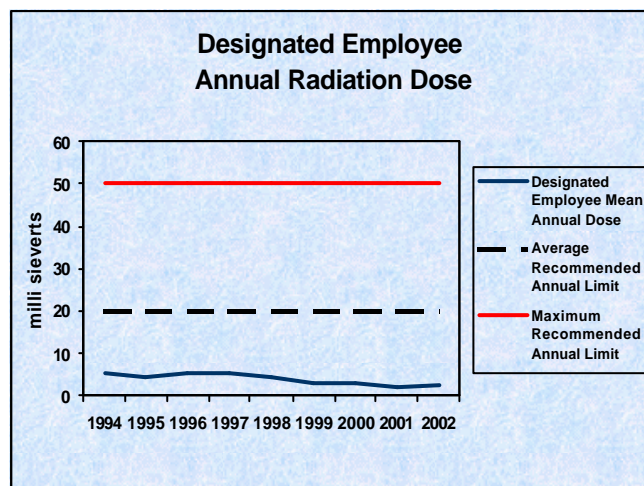
HAZOPS - Ammonia and Acid Plant

Safety goals in individual performance reviews

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ERA designated employee radiation dose

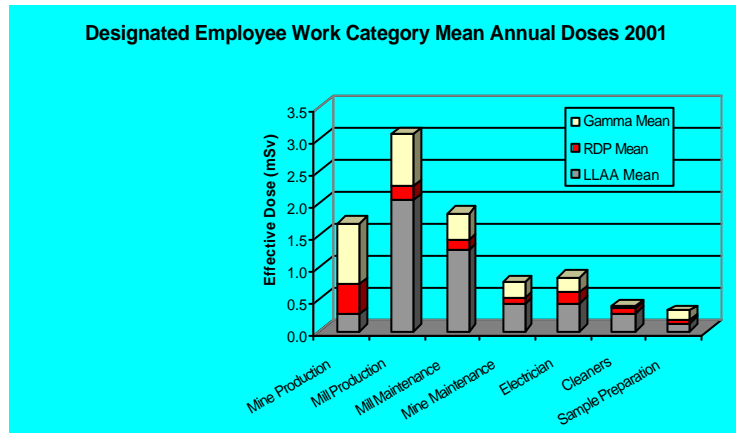
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Radiation dose by work category

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The United Nations Scientific Committee on the Effects of Atomic Radiation reports (2000 Report to the UN General Assembly) that the: "worldwide annual exposures to natural radiation sources would generally be expected to be in the range 1 – 10 mSv, with 2.4mSv being the present estimate of the central value".

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Safety goal

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To become the safest workplace in Australia

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Environment

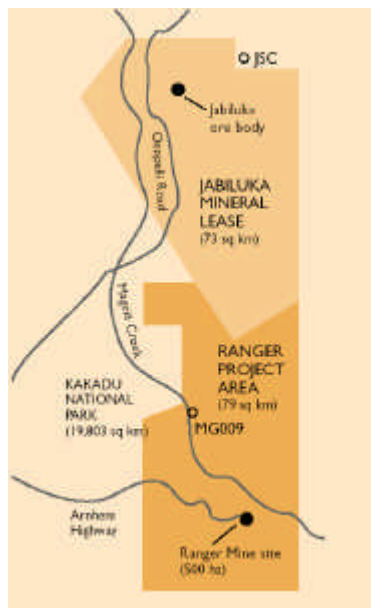


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Environment

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- Performance
- Department Restructure
- Major Projects and Initiatives

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Performance

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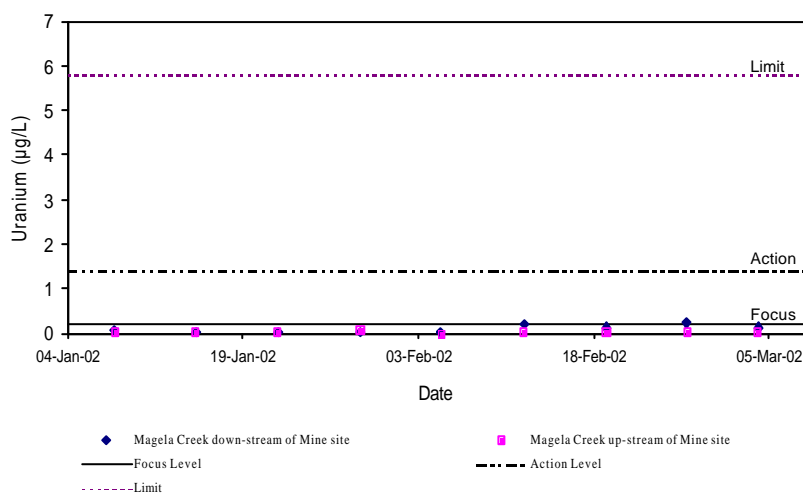
Three trigger levels at each compliance monitoring point:

- Focus
 - Values which are maintained higher than the *focus level* but lower than the *action level* will result in a *watching brief*.
Ranger - 0.2ppb U; Jabiluka - 0.02ppb U
- Action
 - Values which are maintained higher than the *action level* but lower than the *limit* will result in *investigation and corrective action*. These must be reported to the Supervising Authorities.
Ranger - 1.4ppb U; Jabiluka - 0.03ppb U
- Limit
 - Based on environmental protection of a high conservation value ecosystem. Values in excess of the *limit* will result in the company providing a written report to the Supervising Authorities. Exceedance may constitute a breach of the Commonwealth Environmental Requirements.
Ranger and Jabiluka - 5.8ppb U

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Magela Creek MG009 Trigger Levels

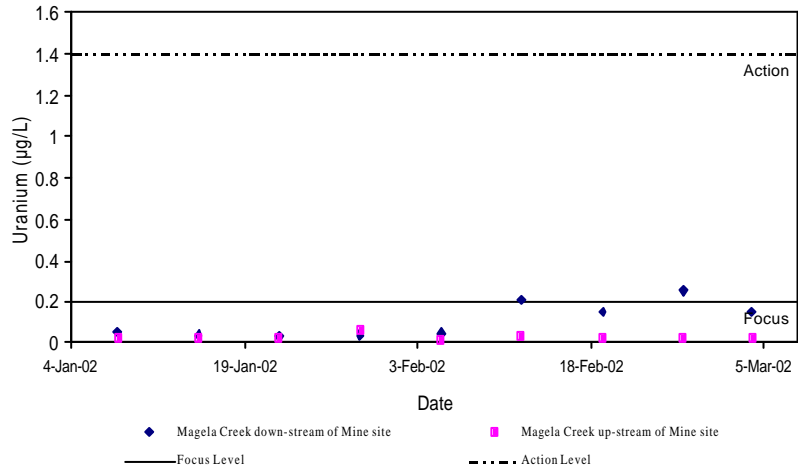
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Magela Creek MG009 Trigger Levels

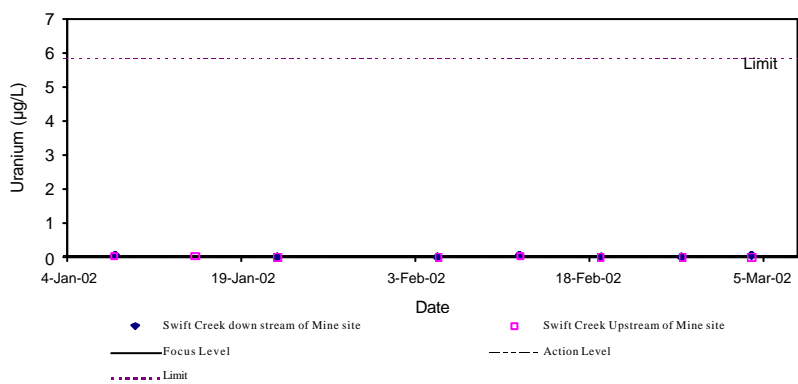
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Outcome: No detrimental effect on the environment

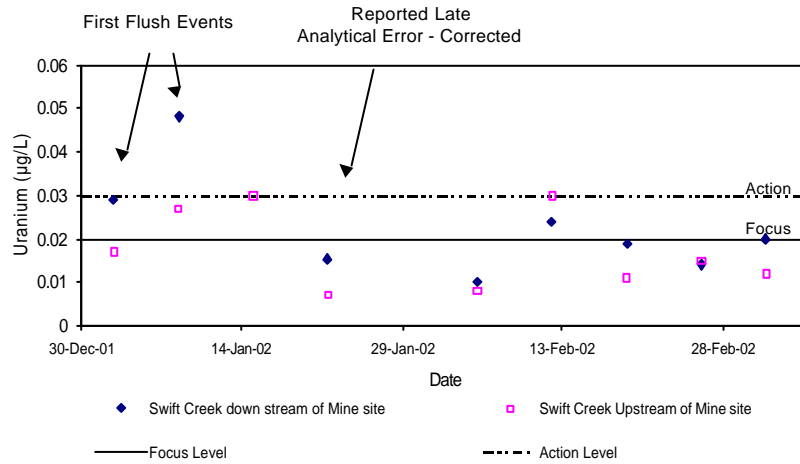
Jabiluka Swift Creek Trigger levels

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Jabiluka Swift Creek Trigger Levels

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Outcome: No detrimental effect on the environment

Department restructure

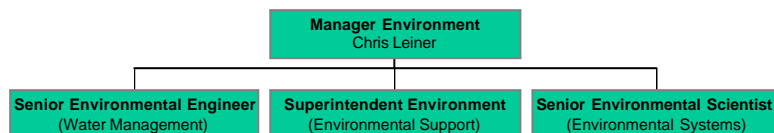
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Work undertaken:

- Assessment of “where do we need to go into the future”
- Capabilities analysis and development of revised role descriptions & performance objectives

Focus of thinking:

- ‘Environmental Excellence’ starts within
- Process-based structure with focus on key challenge areas
- Emphasis on proactive, planned and in-control



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Major projects and initiatives

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Implementation of ISO 14001 system

Increasing environmental awareness

Full implementation of LIMS for stakeholders

Water management related projects

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ISO14001 implementation

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Status of achieving ISO14001 compliance by July 2003 and certification by July 2005:

- Gap analysis completed and implementation schedule developed
- Risk workshops undertaken and risk registers issued to Departments with a focus on the high risk areas
- Actions plans to address high risk areas developed
- Review of progress through the monthly GM Environment Committee

Aim: "Fit for Purpose" EMS implemented by December 2002

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Increasing environmental awareness

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Communication and training are key areas of focus and form an important component of the Environmental Management System:

- Policy development workshops
- General and work-area specific induction - all employees
- Training undertaken & awareness packages developed
- General Manager's Environment Committee
- Environment Department attend Departmental meetings
- Environmental Representatives appointed in the Mine and Mill
- Environmental performance indicators in Job Purpose Statements
- Employee performance assessed through annual reviews

Aim: Enhance workforce ownership of environmental outcomes

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LIMS implementation

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Implementation of the new LIMS system gives stakeholders electronic access to monitoring data results:

- Stakeholder access effective from 1 June 2002
- All samples being logged into the new LIMS (with all samples also registered in the old system as a backup)
- Training for stakeholders and internal users
- Numerical data will be supported by interpretive control charts for major variables at key compliance points

Outcome: 24hr stakeholder access to monitoring data

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Water management related projects

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- 2002-03 wet-season action program
- **Stockpile 2 runoff control**
- Western stockpile runoff control
- Stockpile drop-down structures
- **RP1 headworks program**
- Alternate RP1 spillway control
- MBL Bund upgrade
- Tailings dam toe-loading
- Process water control

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Southern stockpile runoff

Magela Creek

Southern 2s
Stockpile

Constructed
Wetland

Brockman &
MBL Wetlands





Aboriginal Community Development

The slide features a large blue rectangular area containing the text 'Aboriginal Community Development'. At the bottom left, there is a logo for Energy Resources of Australia Ltd, which includes a stylized blue and green graphic above the text 'Energy Resources of Australia Ltd' and 'enr aal enr'. At the bottom right, there is the Rio Tinto logo in red, consisting of the words 'RIO' and 'TINTO' stacked vertically.

Key functions

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Continue to develop ERA / Aboriginal community relations

Promote ERA / Aboriginal community development

Promote and assist Aboriginal employment and training in ERA

Ensure compliance with Aboriginal related matters within ERA's agreements with Aboriginal people

Promote relationships with the Northern Land Council

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Key objectives

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Undertake a consultative review with the GAC of ERA's past and current relationship

Identification of Traditional Owner aspirations

Encourage and facilitate Aboriginal education, training and skills development at the ERA Inganarr Training Centre

Increase and promote direct/indirect employment opportunities for local Aboriginal people

Participate in community and regional committees

Progress KRSIS recommendations

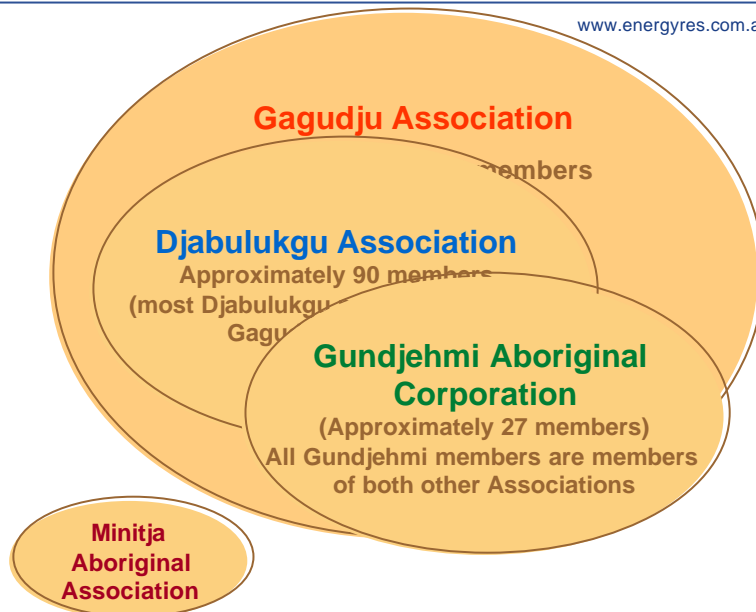
Facilitate site visits by Aboriginal groups

Develop communication strategies on ERA projects

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Regional Aboriginal Associations

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Key responsibilities to Aboriginal stakeholders

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- Royalty and rent payments
 - Social impact payments
- Ranger Sec 44 Agreement**
- Protection of sacred and significant Aboriginal sites and cultural heritage management
 - Protection and management of the environment
 - Environmental rehabilitation
- Jabiluka Sect 43 Agreement**
- Cross cultural training and awareness
 - Aboriginal employment and training opportunities
 - Aboriginal business opportunities and development
- 3.2h Jabiluka Agreement**
- Social impact monitoring
 - Control of alcohol
 - Aboriginal liaison committees
 - Reports to Commonwealth and stakeholders

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Royalty payments

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ERA makes a royalty type payment of 4.25% of its gross sales revenue to the Commonwealth for distribution to Aboriginal organisations

Royalty payments vary according to the volume of uranium sold and market price

Total Ranger payments since inception amount to \$184.2M

Total Jabiluka payments since inception amount to \$7M

ERA pays an annual rental of \$200K for the use of the Ranger Project Area, a total of \$5.3M has been paid to date

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Aboriginal employment strategy

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Workplace cross cultural awareness to all Ranger employees

Proactive Aboriginal employment with 18 percent of Ranger workforce represented by Aboriginal people

Providing opportunities to gain skills and employment either within Ranger or within the community

Mentor Scheme

Currently negotiating with GAC / Mirrar as to the priority of Aboriginal employment and training

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Aboriginal Recruitment

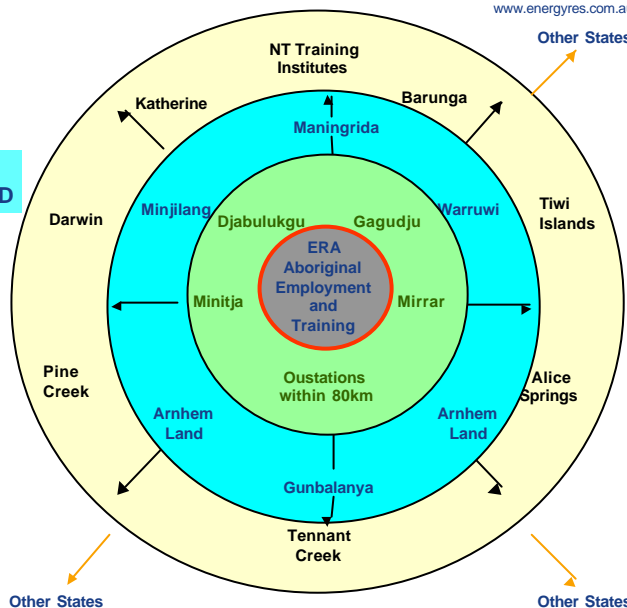
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• LOCAL

• REGIONAL
• ARNHEM LAND

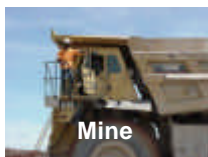
• NORTHERN
TERRITORY

• INTERSTATE

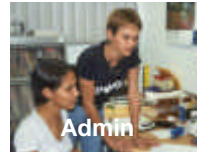


Aboriginal employment at Ranger

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DEPARTMENT	
ACE	8
ESH	3
FINANCE	1
ENGINEERING	4
MINE	8
MILL	8
CONTRACTORS	1
SUPPLY	1
TOTAL	34

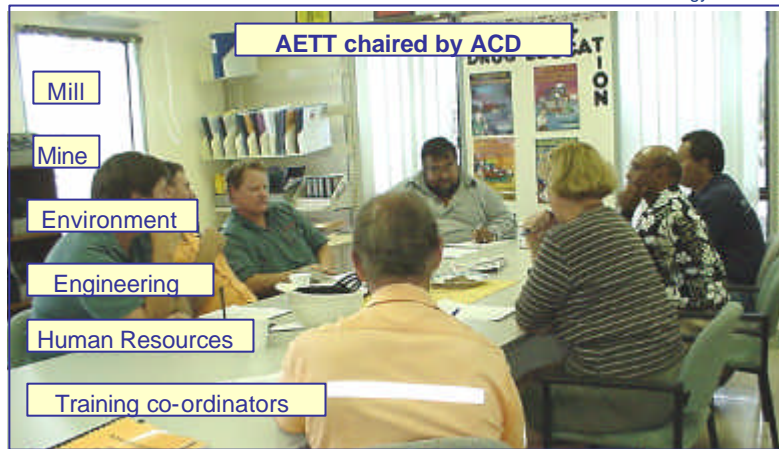


3 Apprenticeships
in engineering



Aboriginal Employment and Training Team (AETT)

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- Aboriginal employment, applications and placements
- Training requirements, modules, apprenticeships
- Inganarr Trainee program, process and placements

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Aboriginal Inganarr Training Centre

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Mission Statement

To assist Aboriginal people to reach their full potential by providing opportunities to obtain knowledge, and skills to help them live and work safely within the wider community.

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