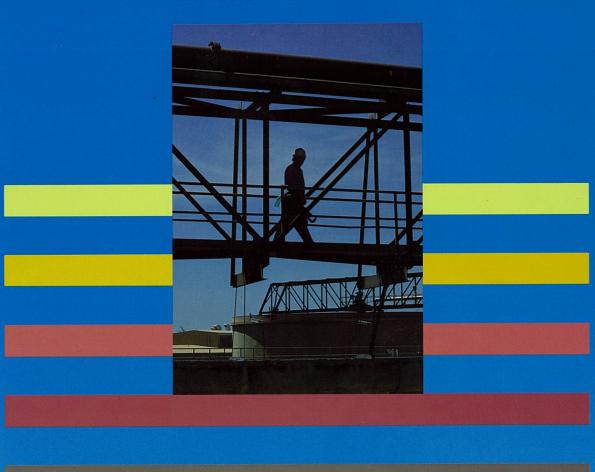
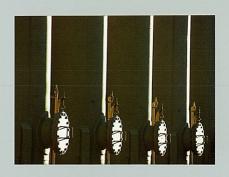
# ENERGY RESOURCES OF AUSTRALIA LTD

# **ANNUAL REPORT 1986**





Financial Highlights	1
Operational Highlights	1
Board of Directors and Company Executives	3
Chairman's Overview	4
Directors' Report	6
Financial Section	17
Profit and Loss Accounts	18
Balance Sheets	19
Notes to the Accounts	20
Statement of Source and Application of Funds	25
Statement by Directors	26
Auditors' Report	26
Stock Exchange Information	27





# **FINANCIAL HIGHLIGHTS**

Result in \$'000	1986	1985	1984	1983	1982*
Revenue	222 513	233 779	246 136	261 178	145 992
Profit before tax	98 415	109 852	113 021	113 362	45 579
Income Tax Expense	47 991	53 395	55 534	55 969	7 721
Profit after tax	50 424	56 457	57 487	57 393	37 858
Earnings per share	12.3 cts	13.8 cts	14.0 cts	14.0 cts	9.2 cts
Dividend	10.0 cts	10.0 cts	12.5 cts	10.0 cts	4.0 cts
Total Assets	883 608	927 487	941 128	943 226	953 880
Issued Capital	410 000	410 000	410 000	410 000	410 000
Capital and Reserves	489 469	480 045	464 588	458 351	434 458

<sup>\*</sup>for 9 months only to 30 June 1982

# **OPERATIONAL HIGHLIGHTS**

Further upgrading of mine equipment during the year included the purchase of four 77 tonne rear dump trucks and two 165 mm drill rigs.

Due to lower than expected rainfall and the extension of irrigation systems there are no problems foreseen with excess water in the Restricted Release Zone.

Two new contracts signed with utilities in the United States provide a further step towards the expansion of production.

The Company's loans were renegotiated with a syndicate of 16 international banks.

Lost-time accident frequency was reduced by 30%.

#### Notice of Meeting

This report is to be presented at the Annual General Meeting of members of Energy Resources of Australia Ltd (E.R.A.) in the AMP Auditorium, Cnr Alfred and Phillip Streets, Sydney, at 10 am on 22 October 1986. A Notice of Meeting and Proxy Form is enclosed.

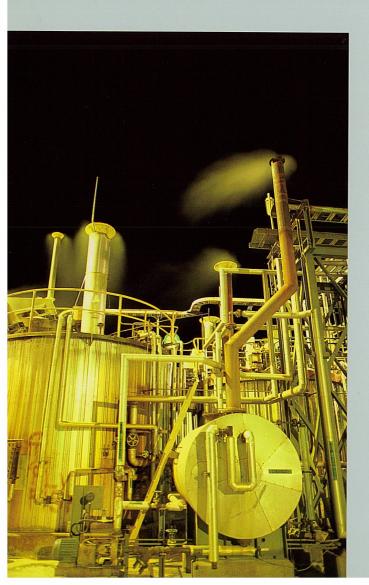
This year's supplemental booklet in the series about the nuclear fuel cycle, has as its subject 'Towards Safe Disposal of Spent (Ranger) Uranium Fuel'. It describes the international and national measures taken to ensure that high-level radioactive waste will not affect man or his environment, now or in the future.











Views of the Mine and its Environment. From top left-hand corner, clockwise: The ore processing plant across one of the retention ponds; The primary gyratory crusher; Aboriginal women collecting water lilies for food; The acid plant by night; and centre Security at the mine entrance.

Mr A L Morokoff, the Chairman since foundation in 1980, is an electrical engineer. He is Chairman of the Parliament House Construction Authority and Deputy Chairman of Lend Lease Corporation Ltd. Other directorships include IBM Australia Ltd, MLC Ltd and Eromanga Energy Ltd.

Mr F M Bethwaite is a civil engineer and has been a Director of E.R.A. since August 1984. He is the Managing Director of North Broken Hill Holdings Limited and is a Director of North Group subsidiary companies. He is also a Director of the Australian Mining Industry Council, the Broken Hill Associated Smelters Pty Limited and the Business Council of Australia.

Mr A C Copeman is a mining engineer and has been a Director since 1983. He is Chief Executive and Director of Peko-Wallsend Ltd, having held that position since 1982, and a Director of Peko Oil Ltd. He is also a Director of the Australian Mining Industry Council.

Mr A W Hamer qualified as an industrial chemist and was previously Deputy Chairman and Managing Director of ICI Australia Limited. He has been a Director of E.R.A. since 1980. He is a Director of EZ Industries Limited, Woodside Petroleum Limited, Tubernakers of Australia Limited, Big J Limited, Reckitt & Colman Australia Limited, and a Trustee of the RE Ross Trust.

Mr K Ito, nominated by holders of 'C' Class Shares, has been a Director since 1980. He is Director and Executive Vice-President of the Kansai Electric Power Co Inc and Director and President of Japan Australia Uranium Resources Development Co Ltd (JAURD).

Dr E Miller is a mining engineer and was appointed a Director of E.R.A. in July 1986 to fill the casual vacancy created by the retirement of Mr GB Lean. He is Group Executive of the Metalliferous Mining and Exploration Division of Peko-Wallsend Ltd. He is also Chairman of Rutile and Zircon Mines (Newcastle) Pty Ltd.

Mr L W Mueller, nominated by holders of 'B' Class Shares, has been a Director since 1980. He is also a Director of Seabridge Australia Pty Ltd, Interuranium Australia Pty Ltd, Parco Pty Ltd, Parco Penny Plate Pty Ltd, Selden Investments Pty Ltd and Saarberg Coal Australia Pty Ltd.

Sir Rupert Myers KBE, has been a Director since 1981. He is a metallurgist and a former Vice-Chancellor of the University of New South Wales. He is Chairman of the New South Wales State Pollution Control Commission, of Technoproduct Resources Pty Ltd and of Technoproduct Holdings Ltd. Other directorships include CSR Ltd, Winston Churchill Memorial Trust in Australia, James N Kirby Foundation, A W Tyree Foundation and Earthwatch Australia.

# Secretaries

K B Lewington R G Kemp

#### Chief Executive

B G Fisk

#### General Managers

P J Bradfield Marketing T Gardner Operations K B Lewington Finance

#### Managers

G B Allen Administration and Finance J G Allen Commercial R A Cleary Operations J W Farthing Development KS Freyberg Treasurer P E McNally Environment

LT Nicholls Planning

P J Shirvington Marketing

#### Registered Office

c/- Stephen Jacques Stone James 6th Floor, Canberra House 40 Marcus Clarke Street Canberra City ACT 2601 Telephone: (062) 48 5222

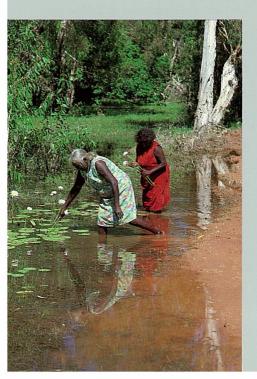
# Principal Office

20 Bond Street Sydney NSW 2000 Postal Address: GPO Box 4039 Sydney NSW 2001

#### Auditors

Coopers & Lybrand

Commonwealth Bank of Australia Westpac Banking Corporation





The Marketing Division has continued its efforts in the United States, Japan, the Republic of Korea and several European countries, with which Australia has bilateral safeguards agreements. A further two long-term contracts were signed with utilities in the United States and encouraging negotiations have continued with other utilities there and in Europe.

The nuclear reactor accident at Chernobyl in the Soviet Union is not expected to affect any of E.R.A.'s long-term uranium supply contracts. It is clear that countries which are committed to nuclear power as a major energy source for generating electricity will continue their programmes. Understandably, there will be even greater attention to safety measures and safety reviews, but it appears unlikely that any plants will be closed down through pressure from the anti-nuclear lobby at this stage. The generation of electric power by nuclear means is extremely safe and I remain confident that it will continue to increase as a proportion of total electric power generation.

At the mine site, engineering design for an expansion of production capacity is progressing according to plan. Present projections of demand indicate that an increase to 4 500 tonnes per annum will be required later in this decade with further expansion to 6 000 tonnes per annum shortly thereafter.

I am pleased to report that the excess water problem of last year has now been contained. Rainfall during the wet season was lower than expected, being only 77% of average and, together with the extension of irrigation areas, it was unnecessary to release water from the Restricted Release Zone (RRZ). Such releases will be required occasionally in the future, however, to handle extreme weather conditions.

Discharge of water from No. 4 retention pond, which is outside the RRZ, was accomplished in cooperation with the Supervising Authorities. The water contained no hazardous chemicals and the radioactive content was at levels similar to those in the natural waters of the region. Very adequate analytical control measures are in place to ensure that such releases can have no effect on the environment.

Following a claim by site unions, which clearly lies outside the national wage guidelines, a campaign of industrial disruption commenced, focusing on health and safety matters and using alleged instances as an excuse for work stoppages. In March award employees staged a strike for a three-week period and returned to work only after agreement had been reached before the Australian Conciliation and Arbitration Commission that an inspector be appointed to examine health and safety procedures and practices at Ranger.

A considerable amount of attention has continued to be given to health and safety at Ranger. Education programmes, reviews of procedures and other action have produced improvements in this important area. Radiation exposure of employees is well below limits set in the code of practice for radiation protection in mining and milling. With respect to occupational health and safety, personnel at Ranger are to be congratulated on a 30% reduction in the lost time accident frequency. Eight of the twenty-two work groups lost no time due to injury during the year under review.

A substantial change was made to the Company's funding facilities during the year. The original borrowings, raised in 1980, were on a project basis. With the successful completion of the project and subsequent operations it became apparent that the borrowings could be re-financed to reduce the annual funding cost and to eliminate a number of provisions which were no longer appropriate. The new facility, with a syndicate of 16 international banks, achieves cost savings and will provide greater flexibility for the future.

After the end of the financial year, Mr George Lean retired as a Director of your Company. As Chief Executive and later Chairman of Peko-Wallsend Ltd, George Lean played a major part in bringing the Ranger project through its difficult early period and in the formation of E.R.A. We thank him for this and for his contribution as a director of E.R.A. in more recent years. The casual vacancy created by his retirement was filled by Dr Ernest Miller, Group Executive of the Metalliferous Mining and Exploration Division of Peko-Wallsend Ltd.

Mr Lucas Mueller, the Director representing the 'B' Class Shareholders has advised me that he intends to resign from the Board of E.R.A. in September to be able to devote more time to the affairs of his own group of companies. The 'B' Class Shareholders will therefore appoint Dr Volker Klix, Managing Director of Rheinbraun Australia Pty Limited, to take his place.

I would like to place on record the considerable debt which your Company owes Mr Mueller, who was instrumental in securing German equity participation in the Company in 1980. Since the Company's flotation he has represented the German and latterly the Swedish shareholders on the Board. He has always acted in the best interests of all shareholders and his contribution as a member of the Board will be missed.

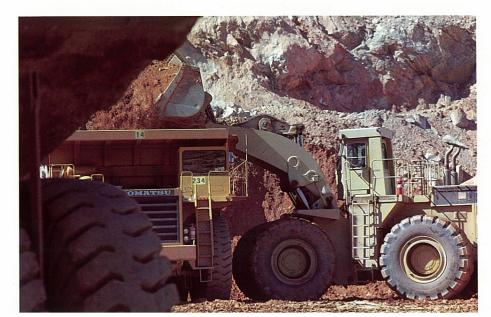
I would also like to take this opportunity of thanking all employees of E.R.A. and its subsidiary, Ranger Uranium Mines Pty Ltd, for their contribution to this year's results.

Q. L. Morald

A L Morokoff



Irrigation within the RRZ is extensively used to control dust and promote plant growth thereby maintaining the attractive appearance of the site.



The increased capacity of the new rear dump trucks will facilitate further deepening of the pit.



One of the two new drill rigs operating in the open pit: 165 mm holes are drilled in preparation for blasting. An average blast breaks 20 000 tonnes of material.

The Directors of Energy Resources of Australia Ltd (E.R.A.) submit the accounts and Group accounts for the financial year ended 30 June 1986 and report as follows:

#### **Trading Result**

Net consolidated profit after tax for the year was \$50 424 000 compared with \$56 457 000 in 1985. The amount provided for income tax during the year was \$47 991 000 (1985: \$53 395 000).

Sales tonnage for the year, 2 810 tonnes, was higher than the amount for the previous year, 2 682 tonnes, but prices were lower. During the first three years of deliveries under the contracts with shareholder-related customers, prices escalated from a base of US\$38 per pound  $U_3O_8$ . As from 1 January 1985, prices have been determined annually by reference to long-term market prices but may not be lower than a floor price set by the Australian Government. That floor price is now the effective price for most deliveries made from Ranger. Sales revenues for the year totalled \$222.5 million (1985: \$233.8 million). Production for the year was 3 067 tonnes  $U_3O_8$  (1985: 3 037 tonnes), which increased the stock of  $U_3O_8$  to 1 717 tonnes.

Interest paid, \$37.099 million, was substantially lower than \$47.454 million in the previous year as a result of lower overseas interest rates and the reduction of borrowings. Interest received, \$10.355 million (1985: \$9.195 million), reflects the high level of interest rates in Australia during the year.

In January 1986, the Company entered into an extended funding facility for US\$210 million with a syndicate of 16 international banks. The facility was arranged by the Commonwealth Bank of Australia in conjunction with Credit Suisse First Boston Ltd. It includes Euronote underwriting, letters of credit and guarantees. The facility is on an unsecured negative pledge basis and has a syndicate of 16 international banks. It provides interest cost savings and reduces over the period to June 1994. Funds raised under the new facility have been used to repay the secured Euro-currency loan of US\$250 million, which was raised in 1980 and which had been reduced to US\$125 million.

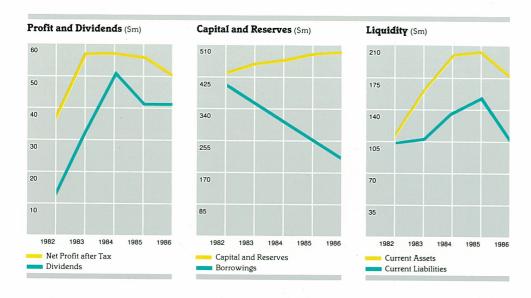
#### Dividend

A dividend of \$20 500 000 was paid on 30 May 1986 and the Directors have declared a further dividend of \$20 500 000 payable on 28 November 1986. This amount has been included in the accounts for the year.

Other than these dividends and that of \$20 500 000, which was provided for in the accounts of the previous year and which was subsequently paid, no other amounts have been paid or declared by way of dividend since the end of the previous financial year.

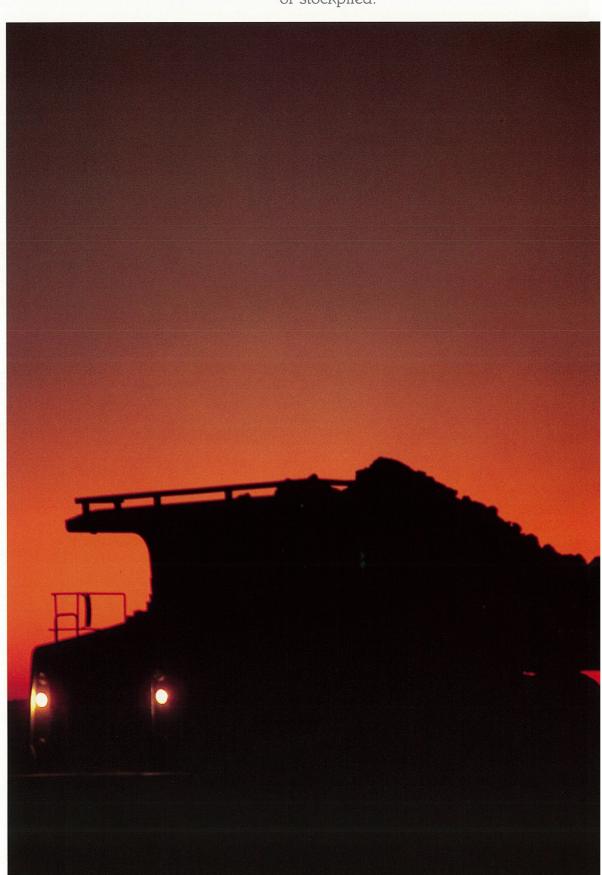
# **Principal Activities**

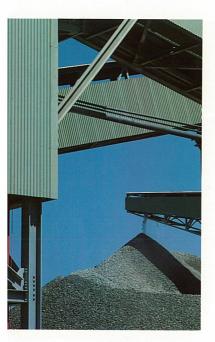
The principal activities of E.R.A. and its subsidiaries in the course of the financial year were the mining, processing and sale of uranium. There was no significant change in the nature of those activities during the financial year.



Material totalling 4.7 million tonnes was moved from the pit this year. One and a half million tonnes were ore which was either processed or stockpiled.

The new 77 tonne trucks haul material from the pit to the radiometric discriminator where the destination of the load, to waste, to a particular stockpile or direct to the primary crusher, is determined.





The coarse ore fraction from the primary screen is stockpiled for further size reduction in the secondary and tertiary crusher circuit.

#### **REVIEW OF OPERATIONS**

#### Mining

Mining of the No. 1 Orebody continued. The depth of the open pit is now 59 metres. Benches to level 4 are 7 metres high. Below this level, benches are being formed at a height of 10 metres, which will facilitate drilling, blasting and maintenance.

Of the 4.70 million tonnes of material extracted from the pit this year, 1.48 million tonnes were ore which was either processed or stockpiled. Low-grade mineralized material above 0.023 %  $U_3O_8$  and below the cut-off grade amounted to 0.89 million tonnes and was stockpiled. Rockfill suitable for tailings dam construction amounted to 0.74 million tonnes, of which 0.62 million tonnes were below 0.023 %  $U_3O_8$  and 0.12 million tonnes between 0.023 % and 0.05 %  $U_3O_8$ . Use of slightly mineralised material in the dam construction considerably increases the availability of suitable construction material and presents no hazards to the environment. Waste amounted to 1.59 million tonnes. Reclaim from stockpiles amounted to 0.61 million tonnes and a total of 1.06 million tonnes of ore was processed in the mill.

In the first four months of the year, mining largely provided rock for tailings dam construction. Once sufficient material for Stage III of the tailings dam construction was stockpiled, mining of ore for processing was resumed.

The mine equipment fleet was further upgraded during the year. This will permit deepening of the pit and extension of stockpiles while maintaining an increased mining rate. Four 77 tonne rear dump trucks (Komatsu 785) and two 165 mm single pass drill rigs (Ingersoll-Rand DM 25 SP) were acquired, replacing four of the 50 tonne Terex trucks and the two 115 mm Atlas Copco drill rigs. Further mine equipment replacements are planned as production requirements increase.

Deepening of the pit was hampered by the presence of excess water resulting from Cyclone Gretel in April 1985. Since that time, the volume of excess water has been greatly reduced (see 'Water Management') and this problem is unlikely to recur.

#### Ore Resource

Changes in the ore resource during the year were caused by depletion through treatment in the plant and minor re-assessments of the in-situ ore resource following redesign of the pit with 10-metre benches and relocation of the main haul road.

Geological Ore Reserves and Stockpiles			1 July 1986	1 July 1985
	Tonnes of Ore	%U <sub>3</sub> O <sub>8</sub>	Tonnes contained U <sub>3</sub> O <sub>8</sub>	Tonnes contained U <sub>3</sub> O <sub>8</sub>
No. 1 Orebody at 0.10% cut-off Ore Stockpiles	2 218 000	0.308	6 834	5 730
Proven ore Probable ore	9 650 000 224 100	0.328 0.147	31 652 329	36 172 329
Total No. 1 Orebody	9 874 100	0.324	31 981	36 501
Total ore	12 092 100	0.321	38 815	42 231
No. 3 Orebody at 0.05% cut-off Probable ore Possible ore	35 210 100 7 498 000	0.207 0.163	72 838 12 213	72 838 12 213
Total No. 3 Orebody			85 051	85 051

# Milling

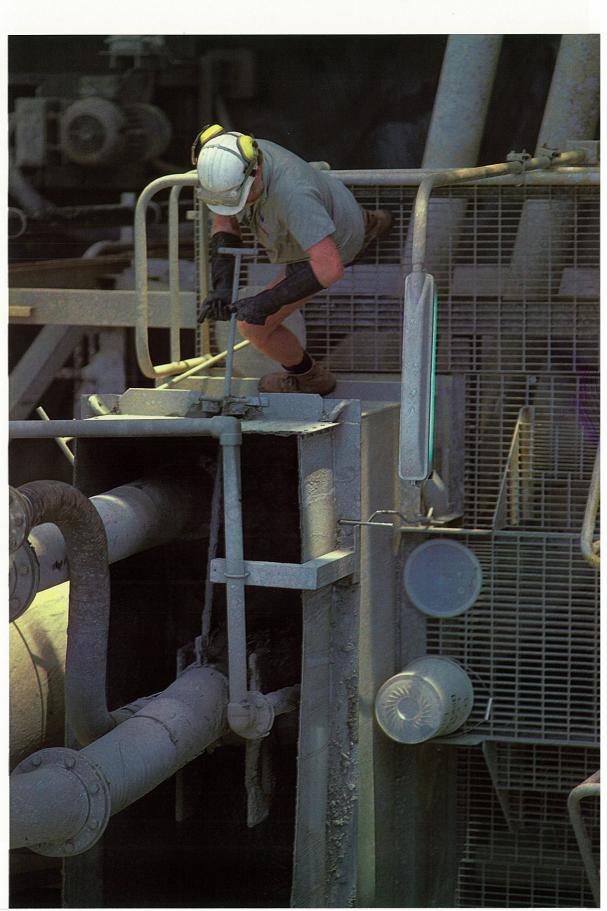
Good metallurgical recoveries continued in 1985/86 with 92.0% achieved, in line with the budget figure.

The production of  $3\,067$  tonnes of  $U_3O_8$  was in accordance with plan. Despite production losses due to minor mechanical problems and industrial action, the treatment plant was able to make up the shortfall in the second half of the year.

Engineering studies are being conducted to identify equipment requirements for the increase of production to 4 500 tonnes  $U_3O_8$  per annum and eventually to 6 000 tonnes  $U_3O_8$ , in line with projected sales.

Production of 3 067 tonnes U<sub>3</sub>O<sub>8</sub> during the financial year was according to plan and metallurgical recoveries were good.

A mill operator changes the feed from one counter-current decantation thickener to another.



Ranger continues to meet its obligation to keep employee exposure to dust and radiation in the workplace as low as reasonably achievable (the ALARA principle). Levels of radiation have always been well within the standards set in the 'Code of Practice for the Mining and Milling of Uranium Ores' and the Company continues to improve its practices (see 'Radiation Protection').

# Tailings Disposal

Construction of Stage III of the tailings dam was completed to the satisfaction of the Quality Control Committee consisting of representatives of the Supervising Authorities and of Ranger.

# Water Management

Rainfall during the 1985/86 period was some 360 mm below the annual average of 1 579 mm. Accumulation of excess water was therefore not as great as expected. For this reason and because of the extension of irrigation systems in the latter part of 1985, all excess water accumulated in the mine during previous wet seasons can be absorbed or evaporated before the next wet season.

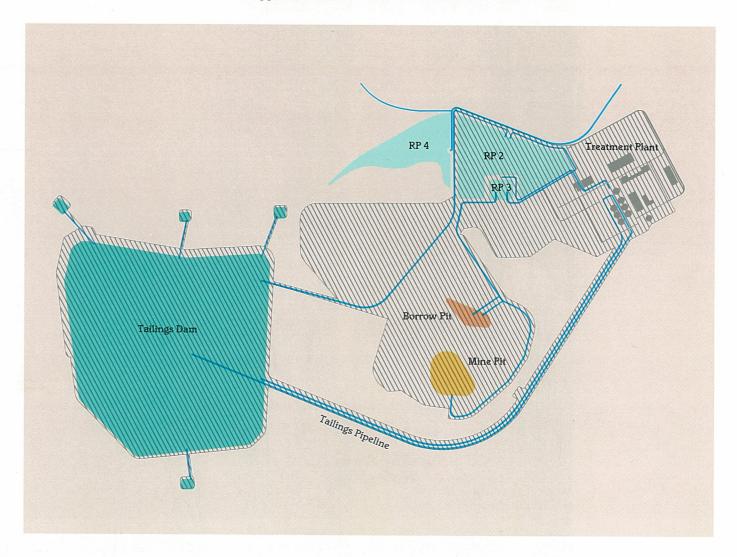
A detailed review of water management technology was carried out during the year. This culminated in the presentation to the Supervising Authorities of a report: 'Application of Best Practicable Technology to Water Management System'. While no formal agreements have been reached on the recommendations of this report, Ranger has acted expeditiously in adopting favoured options identified in the report. For example, intensive study is being carried out on the development of spray irrigation, which is the most favoured option.

Standards for water release from the RRZ to the Magela Creek were approved by the Supervising Authorities in December 1985. The Company, however, made no application for the release of waters from this area.

Map showing the Restricted Release Zone from which water may only be released with the prior permission of the Supervising Authorities.

M Restricted Release Zone

Retention Ponds 2, 3 and 4



#### Environment

Emphasis is changing from the broad spectrum baseline monitoring programme towards the detailed study of specific pathways contamination may follow. Considerable resources are being applied to identify needs such as development of the rehabilitation programme, tailings disposal, seepage control and water management modelling.

In the relatively short time that the mine has been operating, a considerable amount of information has been accumulated. This has improved the overall understanding of the region where the mine is situated, about which little was known or understood before uranium was discovered. This increased knowledge has confirmed that the mine can continue to operate with no detriment to the environment or those living in the area.

#### **Radiation Protection**

Man has always been subject to natural background radiation. At Jabiru the background radiation is no higher than the worldwide average and mining at Ranger has not changed this level. Conservative limits for any additional exposure to workers or members of the public resulting from the operations at Ranger are set in the 'Code of Practice on Radiation Protection in the Mining and Milling of Radioactive Ores, 1980'.

On average, an employee receives less than 10% of the permitted levels, which are conservatively set in accordance with the recommendations of the International Commission on Radiological Protection. Maximum exposure in isolated cases has reached 30% of permitted levels but only for very short periods of time.

Comprehensive programmes on radiation protection are provided for induction, training and supervision courses and a significant improvement in the control of radiation sources has been achieved through engineering design. Radiation safety procedures are strictly enforced and, to check that high standards of occupational and environmental protection are met, there is an extensive monitoring programme which gives early warning of any need for corrective action. Sources of radiation are monitored, ambient radiation is measured and personal monitoring equipment is used to measure actual exposures of people.

The results of all monitoring are reported on a monthly basis to the statutory authorities, unions and the Northern Land Council.

# Occupational Health and Safety

Organisational changes in the health and safety area made in early 1985 have required managers and superintendents to place more emphasis on employees' safety. As part of these changes, a Safety Coordinator was appointed to keep management, supervisors and employees constantly aware and informed. Standing procedures have been revised to reflect increased safety awareness.

Mainly as a result of these organisational changes a 30% reduction was achieved in the number of lost time injuries occurring on site. In early 1985 a 'Correct Procedure Award Scheme' was introduced to reward work groups and individuals who work without lost time due to injury. Since its inception over 300 awards have been made. During the first twelve months of the scheme eight of the twenty-two work groups worked the full twelve months without lost time due to injury — an accomplishment recognised by awards from the National Safety Council of Australia.

In 1986 a 'Five Point Safety Plan' is being introduced. The plan should help supervisors promote employee participation and awareness in safety. The points covered are:

- (i) checking that the access to the workplace is safe;
- (ii) checking that the workplace, tools and equipment are in good order;
- (iii) checking that the worker is working safely;
- (iv) teaching safety; and
- (v) judging that the worker can and will continue to work safely.

#### **Industrial Relations**

Negotiations with the unions at Ranger on the terms of the award were started in late January. Following the Company's rejection of a number of claims which clearly lay outside the wage fixing principles, union members commenced a series of industrial actions attempting to link them with alleged health and safety issues. These actions culminated in a three-week strike in March. During this time the Company initiated



Equipment being installed to monitor water flow in the irrigation area.



Within the mine site all workers have to wear protective apparel such as safety helmets and boots. Depending upon the area of work, additional safety measures and precautions may have to be observed.

legal action against the unions and individual union members over actions on picket lines at the product storage facility outside Darwin. That picketing resulted in a one-month delay of a shipment but, other than for a very small amount of product destined for the Federal Republic of Germany, all contractual obligations were met on time. The dispute at Ranger was resolved by the Company and unions agreeing to an inspector being appointed to report to the Australian Conciliation and Arbitration Commission on health and safety issues. The results of that inspection are still awaited. In its dispute with the unions the Company has maintained that monitoring of health and safety is the responsibility of the Department of Mines and Energy of the Northern Territory and not of other authorities.

The continued use of the Disputes and Grievances Procedures together with regular monthly meetings between union delegates and Ranger representatives has been beneficial to both parties, despite the problems associated with award negotiations. The Procedures will continue to be used by the Company to reduce the loss of working time because of industrial relation problems.

# Training

Twenty-two apprentices covering ten different trades are currently employed at Ranger. Eight completed their indentures in February 1986.

The major emphasis of training has been in the areas of supervision and safety. In November the National Safety Council of Australia conducted advanced courses on site for supervisory personnel together with award safety delegates.

Supervision training is based on a two-part course, which was developed and conducted in-house by the Training Section. All personnel with supervisory responsibilities from the front-line supervisor through to divisional managers undertake this training. Advanced workshops are planned to follow this introductory training and to develop further skills and knowledge in key areas.

Regular courses on General Induction Orientation, First Aid and Tour Guide Training have been maintained as well as on-site technical workshops.

#### The Aboriginal Community

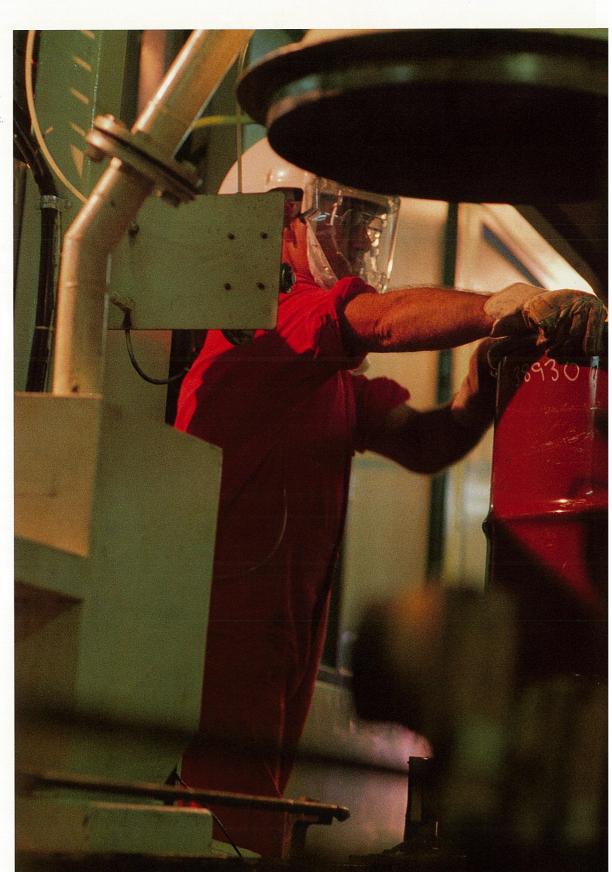
The continuation of a close working relationship with the Aboriginal community, the Gagudju Association and other associated authorities remains a high priority of the Liaison Officers. Frequent contact ensures that all concerns are discussed and given appropriate attention and that everyone involved is kept informed of Ranger developments. In addition regular mine visits and field days are arranged so that individuals and groups receive more information pertaining to areas of specific interest, particularly in environmental matters. Close liaison continues to be maintained with the Women's Resource Centre, which operates very successfully, as well as with local Aboriginal businesses. In particular, the Gagudju Association's contracting company regularly carries out some construction and maintenance work for Ranger.

Induction courses given for new employees continue to include instruction on Aboriginal culture. Advanced programmes for supervisors place emphasis on working



Two-hundred litre drums filled by remote control are sealed, labelled and packed into ISO containers ready for dispatch.

In the packing area, particular attention is given to the elimination of dust but, as an added precaution, operators are required to wear protective equipment.



A major maintenance project during the year was the replacement of the pipelines to the tailings dam.



Various adult education classes are conducted at the Aboriginal Women's Resource Centre. Screen printing is just one of the handicrafts taught.

with Aboriginal employees. In addition orientation programmes for employees and their families, incorporating information on Aboriginal culture and rules related to local significant sites, are held in conjunction with Kakadu National Park staff.

Employment and training of people of Aboriginal or Islander descent, particularly those of local origin, remains a high priority. The major training programme at present is centred in the Revegetation Section of the Environmental Division and involves local Aboriginal trainees, the selection of whom is co-ordinated in conjunction with the Gagudju Association. In this area, 1986 will be marked by a major achievement: in July a trainee in the Revegetation Section will finish her apprenticeship, to become the first Aboriginal horticulturalist in the Northern Territory.

As has been widely reported in the media, the Northern Land Council has taken legal proceedings against the Commonwealth Government of Australia and E.R.A. to have the agreement for mining under Section 44 of the Aboriginal Land Rights (Northern Territory) Act 1976 set aside. The matter is before the High Court but may take some time to be finally resolved. Legal advice indicates that the action will be resolved in favour of the Company.

# Visitors to the Mine

Tours of the Ranger mine have become a regular feature in the programmes of a number of tour operators in the area. Ranger provides trained guides for these tours and also for individual members of the public visiting the site. During the 1985 season some 17 000 people toured the mine.

Each tour normally includes a visit to the pit as well as to the tailings dam. It is then followed by a drive-through tour of the ore processing plant showing participants the different facets of the operation including crushing, milling, leaching, solvent extraction, packing and water management.

# Jabiru Township

Day-to-day operation of the town continues to be carried out by the Jabiru Town Council. There are now seven members elected to the Council and one appointed: E.R.A.'s representative.

Sporting facilities continue to develop. The latest is the construction of a synthetic grass bowling green which commenced this year, as a result of a grant from the Government of the Northern Territory.

#### Marketing

E.R.A. continued to attract more customers during the year. Regular contact was maintained with customers and potential customers in the United States, Japan, the Republic of Korea and a number of European countries, all of which have signed bilateral safeguards agreements with Australia. Twelve countries have now signed such agreements, which are a pre-requisite for importing Australian uranium.

During the year new contracts were signed with two utilities in the United States. This brings the total number of contracts with utilities in this country to seven.





In general, shipments of  $U_3O_8$  during the year were carried out ahead of schedule. A short delay, caused by industrial action, occurred with one consignment but the forward-shipping policy of the Company resulted in only minimal disruption to the delivery schedule.

Demand for uranium will continue to increase over the next few years as new reactors come on stream. During 1985, 32 reactors accounting for a total of 30 057 megawatts of electrical generating capacity (MWe) came into operation. This increased the total number of operating nuclear reactors in the world to 374, producing 249 625 MWe. There are at present over 150 reactors under construction and a further 116 are being planned, demonstrating that many countries are increasing their reliance on nuclear-generated electricity. By 1995 the world's nuclear generating capacity is expected to more than double (see chart on page 16) and western leaders confirmed in a declaration issued at the Tokyo Economic Summit that in spite of the Chernobyl accident, this trend will continue.

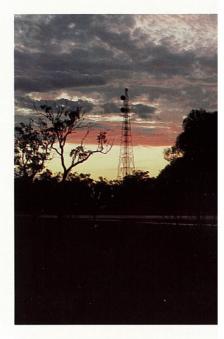
The United States, with the world's largest nuclear programme, now has over 100 nuclear units in operation producing 16% of the country's electricity. In 1985, Sweden's nuclear dependence rose to 50% and in France, the country which has the greatest dependence on nuclear energy, 65% of electricity production came from this source. In Japan, nuclear power is the largest source for electricity generation. At the end of 1985 there were 33 nuclear power plants in operation, producing 26% of the country's electricity. By 1995 this is expected to increase to 35%.

Despite the good long-term prospects for  $U_3O_8$ , the short-term market has been weakened by excess inventories, resulting in spot-market prices continuing at low levels. However, prices received by E.R.A. under its contracts, which are all on a long-term basis, continued to be significantly higher than spot-market levels.

As a result of a continuing softness in the world uranium market, there have been initiatives by certain shareholder-customers for some form of relief under contracts for purchase of material from E.R.A. While discussion has taken place with these customers, no agreement has yet been reached.

Although short-term factors will slow down the  $U_3O_8$  purchasing programmes of some major utilities, long-term prospects generally continue to be favourable. Production levels and inventories have fallen over the last few years particularly in the United States, which will result in a significant number of utilities looking for new long-term supplies in the foreseeable future. The chart on page 16 shows Australia, with E.R.A. as its major producer, now ranked fourth as a producer of  $U_3O_8$  in the western world.

In the United States, a justice of the Denver Colorado Federal District Court signed an injunction in June 1986, preventing the US Department of Energy from enriching any non-US uranium after 31 December 1986. The decision is subject to appeal and a stay in the injunction has been granted. It is too early to assess the chance of appeal being successful or to determine the possible effect on deliveries into contracts between E.R.A. and US utilities. Developments are being closely monitored and the Australian position put to the appropriate authorities.



A view of the telecommunication mast near the town of Jabiru.

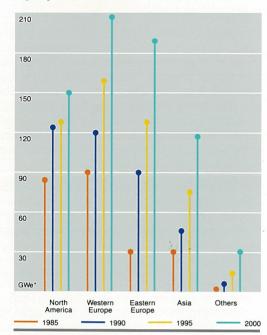


One of the Company-trained tour guides explains the ore processing plant during a drive-through tour.

# Western World Uranium Production in 1985 Australia 10.2% Canada 31.2% Europe 9.9% Gabon 2.5% Namibia 10.2% Niger 9.1% South Africa 13.2% USA 12.5%

Information source: Nukem

#### Regional Distribution of Nuclear Generating Capacity to the Year 2000



\* 1 gigawatt of electricity (GWe) = 1 000 million watts of net electrical output. Information source: International Atomic Energy Agency

# ADDITIONAL STATUTORY INFORMATION

Others 1.2%

#### Directors

The names of the Directors of E.R.A. in office at the date of this report, together with particulars of qualifications, experience and special responsibilities of each, if any, are shown on page 3 of this report. No Director has an interest in any contract or proposed contract with E.R.A. declared since 1 January 1984.

# State of Affairs of the Group during Financial Year

The Directors are not aware of any significant change in the state of affairs of the Group that occurred during the financial year which has not been covered elsewhere in this Report.

# **Post Balance Date Matters**

The Directors are not aware of any matter or circumstance that has arisen since the end of the financial year that has significantly affected or may significantly affect the operations of the Group, the results of those operations or the state of affairs of the Group in financial years subsequent to the financial year except as stated elsewhere in this Report.

# Likely Developments

In the opinion of the Directors likely developments in the operations of the Group known at the date of this Report have been covered generally within this Report, the Balance Sheets and Profit and Loss Accounts and notes thereon. Directors are not aware of any other specific development likely to have a significant effect on the operations of the Group or the expected results of those operations.

# Options

No options on shares in E.R.A. or in any subsidiary were granted during the financial year and up to the date of this Report, nor are any such options outstanding.

#### Directors' Benefits

No Director of E.R.A., since the end of the previous financial year has received or become entitled to receive a benefit (other than a benefit included in the aggregate amount of emoluments received or due and receivable by Directors shown in the Group accounts, or the fixed salary of a full-time employee of E.R.A. or of a related corporation) by reason of a contract made by E.R.A. or a related corporation with a director, or with a firm of which he is a member, or with a company in which he has a substantial financial interest, save and except that Mr A L Morokoff is a director of a company which provides professional services for E.R.A. in the ordinary course of business.

# Rounding-off

The Holding Company, E.R.A., is a company of the kind referred to in sub-Regulation 6 of Regulation 58 of the Companies Regulations and amounts in this Report and the Accounts have been rounded off to the nearest thousand dollars in accordance with Section 271 of the Companies Act 1981.

Signed at Sydney this 21st day of August 1986, in accordance with a resolution of the Directors.

A L Morokoff DIRECTOR Sir Rupert Myers
DIRECTOR

# FINANCIAL SECTION

**ENERGY RESOURCES OF AUSTRALIA LTD** Incorporated in the Australian Capital Territory

ENERGY RESOURCES OF AUSTRALIA LID Incorpor	ated in the A	ustralian Capit	al Territory		
	NOTE	CONSOL	CONSOLIDATED		ENT
		1986	1985	1986	1985
		\$'000	\$'000	\$'000	\$'000
Revenue		222,513	233,779	222,513	233,779
Operating Profit Before Income Tax		98,415	109,852	98,415	109,852
Income Tax Expense Applicable thereto	10	47,991	53,395	47,991	53,395
Net Profit		50,424	56,457	50,424	56,457
Dividends					
Dividend paid		20,500	20,500	20,500	20,500
Dividend payable		20,500	20,500	20,500	20,500
		41,000	41,000	41,000	41,000
Retained Surplus at 1 July		70,045	54,588	70,045	54,588
Retained Surplus at 30 June		79,469	70,045	79,469	70,045
Profit before income tax includes the					
following items:					
Credited					
Interest received/receivable					
subsidiary companies		10.255	0.105	10.255	0.105
other corporations		10,355	9,195	10,355	9,195
Charged Amortization of Ranger Project Rights		6,508	6,275	6,508	6,275
Depreciation of mine plant,		0,500	0,275	0,500	0,275
equipment & facilities		15,621	12,526	15,621	12,526
Directors' emoluments	12	137	121	137	121
Royalty type expense	13	3,043	3,513	3,043	3,513
Payments for Aboriginal interests	13	10,547	12,145	10,547	12,145
Rehabilitation fund payments and					
guarantee costs	13	5,309	6,101	5,309	6,101
Interest paid/payable to					
subsidiary companies		_	_	28,591	47,349
other corporations		37,099	47,454	8,508	105
Auditors' remuneration					
audit services		105	117	105	117
other services		66	53	66	53
Other benefits received by the auditors	-	-	-		-
Amortization of deferred expense	7	2,190	944	2,190	944
Profit on disposal of fixed assets		8	262	8	202
Rent expense on operating leases		384	362	384	362
Finance charges on finance leases		1,895	745	1,895	745

**ENERGY RESOURCES OF AUSTRALIA LTD** Incorporated in the Australian Capital Territory

	NOTE	CONSOI	IDATED	PAR	ENT
		1986	1985	1986	1985
		\$'000	\$'000	\$'000	\$'000
Current Assets					
Cash at bank and on hand		29	15	29	15
Short term deposits		8,284	41,134	8,284	41,134
Trade debtors		101,886	113,189	101,886	113,189
Other debtors	2	5,081	3,495	5,081	3,495
Stock on hand	3	61,421	47,529	61,421	47,529
		176,701	205,362	176,701	205,362
Interests in Subsidiaries	4			10	10
Fixed Assets					
Ranger Project Rights	5	375,108	381,616	375,108	381,616
Mine plant, equipment & facilities	6	329,342	337,388	329,342	337,388
		704,450	719,004	704,450	719,004
Deferred Expense	7	2,457	3,121	2,457	3,121
Total Assets		883,608	927,487	883,618	927,497
		=======================================	=======================================	=======================================	<u> </u>
Current Liabilities					
Bank overdraft		3,775	2,302	3,775	2,302
Trade creditors and bills payable		20,948	16,801	20,948	16,801
Borrowings		20,540	10,001	20,320	10,001
Unsecured	8	16,676	<u>_</u>	_	_
Secured	8	_	56,493	_	_
Owing to subsidiary					
Secured		_	_	_	56,493
Unsecured		_	_	16,676	_
Other creditors		827	3,064	827	3,064
Dividends payable		20,500	20,500	20,500	20,500
Provision for taxation		42,639	54,874	42,639	54,874
		105,365	154,034	105,365	154,034
Non-Current Liabilities					
Borrowings					
Unsecured	8	179,036	-	179,036	
Secured	8	_	191,261	_	
Creditors and accrued expenses		83	35	83	35
Owing to subsidiary					101 201
Secured Unsecured				10	191,261
Provision for deferred income tax	10	109,655	102 112	109,655	10 102,112
Total Liabilities	10	394,139		394,149	447,452
aoua Maonities		334,133	-11/,112	334,143	447,432
Issued and Paid Up Capital	11	410,000	410,000	410,000	410,000
Retained Surplus		79,469	70,045	79,469	70,045
Total Share Capital and Reserves		489,469	480,045	489,469	480,045
		883,608	927,487	883,618	927,497

#### 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

The accounts have been prepared on the basis of historical costs. The accounting policies adopted are consistent with those of the previous year.

# (a) Principles of Consolidation

The consolidated accounts give a view of the group as a whole. A list of subsidiaries appears in Note 4. All inter-company transactions are eliminated.

#### (b) Depreciation and Amortization

Depreciation of plant equipment and facilities is provided for as follows:

- (i) individual assets that have a life equal to or longer than the estimated remaining life of the mine are depreciated over a period not longer than the estimated mine life in proportion to ore reserve utilization;
- (ii) each other asset is depreciated over its estimated operating life on a straight line basis. Ranger Project Rights are amortized over the estimated mine life and in relation to projected revenue from production.

# (c) Foreign Currency

Amounts payable to and by the group in foreign currency have been converted to Australian currency at rates of exchange ruling at year end. Where, however, forward exchange cover has been obtained the settlement rate is used.

#### (d) Stock on Hand

Stock is at the lower of cost and net realisable value using the average cost method. Cost includes both fixed and variable production costs. No accounting value is attributed to ore in situ or to broken ore within the mine.

# (e) Deferred Expense

Deferred expenses were incurred prior to the commencement of operations and are amortized over periods to which they relate.

The balance of share issue expenses is being written off over the first five financial years of full operation, 1983-87.

Marketing expenses are being amortized over the calendar years 1982-6, inclusive of both. Borrowing costs incurred in 1981 are being amortized over 8½ years from 15 November 1981 to the scheduled final repayment of the project loans. Costs attributable to borrowings terminated during the year have been written off in full. Costs incurred during the year, ie. re-financing borrowings, are amortized over 5 years to January 1991.

#### (f) Income Tax

Tax effect accounting procedures are followed whereby the income tax expense in the Profit and Loss Account is matched with the accounting profit (after allowing for permanent differences). Income tax on net cumulative timing differences is set aside to deferred income tax account.

# (g) Sales

Sales are accounted for when product has been delivered in accordance with a sales contract.

#### (h) Leases

Leases of plant, equipment and premises have not been capitalized. Lease payments are included as expenses when incurred.

3. STOCK ON HAND Stores 15,004 Less provision for obsolescence 595  Ore stockpile 8,774 Work in progress 1,184 Finished product U <sub>3</sub> O <sub>8</sub> 37,054 61,421  4. SUBSIDIARIES 1986 and 1985  Energy R Place of Place of of Austr	3,507 12 3,495
2. OTHER DEBTORS       5,093         Cother debtors       12         Less provision for doubtful debts       12         5,081       5,081         CONSOLIDATED AT 1986 \$'000 19         3. STOCK ON HAND       15,004         Stores       15,004         Less provision for obsolescence       595         14,409       14,409         Ore stockpile       8,774         Work in progress       1,184         Finished product U3O8       37,054         61,421       61,421    4. SUBSIDIARIES 1986 and 1985 Energy Replace of Place of Of Australia	3,507 12 3,495 ND PAREN 985 \$'000 11,387 805 10,582 6,787 163
Other debtors       5,093         Less provision for doubtful debts       12         CONSOLIDATED AI         1986 \$'000 19         3. STOCK ON HAND         Stores       15,004         Less provision for obsolescence       595         Ore stockpile       8,774         Work in progress       1,184         Finished product U <sub>3</sub> O <sub>8</sub> 37,054         4. SUBSIDIARIES 1986 and 1985       Energy R         Place of Place o	12 3,495 ND PAREN 985 \$'000 11,387 805 10,582 6,787 163
Less provision for doubtful debts   12   5,081	12 3,495 ND PAREN 985 \$'000 11,387 805 10,582 6,787 163
CONSOLIDATED AI   1986 \$'000 19   1986 \$'000	3,495 ND PAREN 085 \$'000  11,387 805 10,582 6,787 163
CONSOLIDATED AT 1986 \$'000 19	ND PAREN 985 \$'000 11,387 805 10,582 6,787 163
3. STOCK ON HAND Stores 15,004 Less provision for obsolescence 595  Ore stockpile 8,774 Work in progress 1,184 Finished product U <sub>3</sub> O <sub>8</sub> 37,054  4. SUBSIDIARIES 1986 and 1985  Energy R Place of Australia Place of of Australia Place of Orders and the subsidiaria Place of Pl	11,387 805 10,582 6,787 163
3. STOCK ON HAND Stores 15,004 Less provision for obsolescence 595  Ore stockpile 8,774 Work in progress 1,184 Finished product U <sub>3</sub> O <sub>8</sub> 37,054  4. SUBSIDIARIES 1986 and 1985  Energy R Place of Of Australia Place Of Of Of Australia Place Of Of Of Australia Place Of Of Of Of Of Australia Place Of	11,387 805 10,582 6,787 163
Stores         15,004           Less provision for obsolescence         595           14,409         14,409           Ore stockpile         8,774           Work in progress         1,184           Finished product U <sub>3</sub> O <sub>8</sub> 37,054           61,421         61,421	805 10,582 6,787 163
Stores         15,004           Less provision for obsolescence         595           14,409         14,409           Ore stockpile         8,774           Work in progress         1,184           Finished product U <sub>3</sub> O <sub>8</sub> 37,054           61,421         61,421    **Place of Place of Of Australia (Australia (A	805 10,582 6,787 163
Less provision for obsolescence       595         14,409       14,409         Ore stockpile       8,774         Work in progress       1,184         Finished product U <sub>3</sub> O <sub>8</sub> 37,054         61,421       61,421    4. SUBSIDIARIES 1986 and 1985 Energy R Place of Of Australia	805 10,582 6,787 163
Ore stockpile         8,774           Work in progress         1,184           Finished product U <sub>3</sub> O <sub>8</sub> 37,054           61,421         61,421    **Place of Place of Of Australia (Australia Place)  **Place of Of Of Australia (Australia Place)  **Place of Of Of Of Australia (Australia Place)  **Place of	6,787 163
Ore stockpile         8,774           Work in progress         1,184           Finished product U <sub>3</sub> O <sub>8</sub> 37,054           61,421         61,421    **Place of Place of Of Australia (Australia Place)  **Place of Of Of Australia (Australia Place)  **Place of Of Of Of Australia (Australia Place)  **Place of	6,787 163
Work in progress 1,184 Finished product U <sub>3</sub> O <sub>8</sub> 37,054 61,421  4. SUBSIDIARIES 1986 and 1985 Flace of Place of Of Australia (Australia and Australia and Au	163
4. SUBSIDIARIES 1986 and 1985  Energy R Place of of Austr	29,997
4. SUBSIDIARIES 1986 and 1985  Energy R Place of of Austr	
Place of of Austr	47,529
Place of of Austr	
(a) Shares in Subsidiary Companies	Resources tralia Ltd
	ent at Cost
	\$
	5
	20
	20
The above subsidiaries are wholly owned. The operations of the subsidiaries did not re	15
(b) Loan to Subsidiary Company Unsecured subordinated loan to E.R.A. (Canberra) Limited \$10,000 (1985 \$10,000).	
CONSOLIDATED AT	ND PAREN
<b>1986</b> \$' <b>000</b> 19	85 \$'000
5. RANGER PROJECT RIGHTS	
Ranger Project Rights at cost 407,000 4	107,000
	25,384
Net balance 375,108 3	881,616
This represents Ranger interests acquired from the former Ranger joint venturers, inclu	ding
rights to receive and sell the concentrates produced from the Ranger Project Area and the benefits of long term sales contracts previously arranged by certain of the former ventual terms.	he irers.
· CONSOLIDATED AN	ND PAREN
	985 \$'000
<b>1986 \$'000</b> 19	
6. MINE PLANT, EQUIPMENT AND FACILITIES	392,562
6. MINE PLANT, EQUIPMENT AND FACILITIES Plant, equipment and facilities at cost 398,561 3	392,562 55,174
6. MINE PLANT, EQUIPMENT AND FACILITIES Plant, equipment and facilities at cost Less provision for depreciation 398,561 3 69,219	
6. MINE PLANT, EQUIPMENT AND FACILITIES Plant, equipment and facilities at cost Less provision for depreciation 398,561 3 69,219	55,174
6. MINE PLANT, EQUIPMENT AND FACILITIES Plant, equipment and facilities at cost Less provision for depreciation 398,561 3 69,219	55,174
6. MINE PLANT, EQUIPMENT AND FACILITIES Plant, equipment and facilities at cost Less provision for depreciation 398,561 3 69,219	55,174
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6. MINE PLANT, EQUIPMENT AND FACILITIES Plant, equipment and facilities at cost Less provision for depreciation 398,561 3 69,219	55,174
6. MINE PLANT, EQUIPMENT AND FACILITIES Plant, equipment and facilities at cost Less provision for depreciation 398,561 3 69,219	55,174

	CONSOLIDATE	O AND PARENT
	1986 \$'000	1985 \$'000
7. DEFERRED EXPENSE Deferred expense capitalized at cost, comprises: Share Issue expenses Marketing Expense incurred in securing contracts Borrowing Costs	3,158 808 5,592 9,558	3,158 808 4,066 8,032
Less Amounts written off, Note 1(e) Total	7,101	4,911 3,121

#### 8. BORROWINGS

New borrowing facilities were arranged during the year on an unsecured, negative pledge basis. These facilities extend to 30 June 1994 with differing annual reduction amounts from 30 June 1987 and provide for issues of Euronotes and the provision of letters of credit. The proceeds of new borrowings were used to repay a secured project loan of US\$250 million which had been reduced to US\$125 million at February 1986. Secured Vendor loans totalling \$A35,865,196 at February were also repaid and refinanced.

#### 9. FOREIGN CURRENCY

The group has sales proceeds in US dollars exceeding repayments of borrowings, interest and other costs in US dollars.

Forward purchase contracts for US dollars have been entered into covering the principal outstanding in US dollars under loan agreements. These hedge contracts will have the effect of \$A157,476,071 (1985 \$A199,674,485) being required to repay the principal of the loans at 30 June 1986 whereas the conversion of the principal in US dollars at the rate of exchange at year end was \$A270,956,973 (1985 \$A348,686,192). There are forward sales contracts for US dollars which match the purchase contracts covering loan repayments. These contracts for US dollars resulted in revenue for the year being reduced by \$21,732,000 (1985 \$34,435,000).

The group has also entered into forward sale contracts for US dollars in respect of some further sales proceeds. These reduced revenue for the year by \$6,991,000 (1985 \$14,350,000). Similar contracts for US\$ exist in respect of expected sales in 1987.

The net exchange loss included in the profit and loss account for the year on the holding of net foreign monetary assets was \$2,345,000 (1985 gain \$21,336,000).

	CONSOLIDATED A	ND PARENT
	1986 \$'000	1985 \$'000
10. INCOME TAX		
Income Tax is calculated as follows:		
Operating profit before income tax	98,415	109,852
Tax calculated at 46%	45,271	50,532
Tax effect of permanent differences:		
decreased income tax expense due to investment allowance	(273)	(83)
increased income tax expense due to amortization of Ranger Project		
Rights and other non-allowable items	2,993	3,026
other items not allowable	-	(80)
Income tax expense	47,991	53,395
Provision for deferred income tax		

Provision for deferred income tax

The provision for deferred income tax arises from certain costs being allowable for income tax purposes earlier than the time when the corresponding charge is made against book profits. Deductions under Division 10 and Section 51 of the Income Tax Assessment Act are the main factors.

	CONSOLIDATED AND PARENT
	<b>1986 \$'000</b> 1985 \$'000
11. CAPITAL	
Authorized Capital	
500,000,000 shares of \$1.00 each	E00 000 E00 000
500,000,000 shares of \$1.00 each	<b>500,000</b> 500,000
Issued and Paid up Capital	
A Class shares of \$1.00 each	<b>307,500</b> 307,500
B Class shares of \$1.00 each	<b>61.500</b> 61.500
C Class shares of \$1.00 each	<b>41,000</b> 41,000
	410,000 410,000
	<u>410,000</u> <u>410,000</u>

The B and C Class shares rank pari passu with the A Class shares except that the B and C Class shares have limitations, restrictions and special rights as to conversion, quotation and disposal of shares and voting in specified matters.

	CONSOI	IDATED	PA	RENT
	1986 \$'000	1985 \$'000	1986 \$'000	1985 \$'000
12. DIRECTORS' EMOLUMENTS There were no Executive Directors of the company Total emoluments received and receivable by Other Directors No emoluments (excluding salaries) were received by Directors of subsidiaries who are not also Directors of the company	137	121	137	121
13. COMMITMENTS (a) Commitments for capital expenditure	384	3,731	384	3,731
(b) Lease and Hire Commitments				
(i) Operating Leases Aggregate amount contracted but not provided for in the accounts Due within 1 year Due within 1-2 years Due within 2-5 years Rent expense for period	1,427 517 498 412 1,427 384	325 305 19 1 325 362	1,427 517 498 412 1,427 384	325 305 19 1 325 362
	304	302	304	302
(ii) Finance Leases Aggregate amount contracted but not provided for in the accounts Due within 1 year Due within 1-2 years Due within 2-5 years Minimum lease payments Less future finance charges	7,292 1,864 1,859 3,569 7,292 2,200	4,881 1,261 963 2,657 4,881 1,194	7,292 1,864 1,859 3,569 7,292 2,200	4,881 1,261 963 2,657 4,881 1,194
Present value of minimum lease				
payments — motor vehicles & plant	5,092	3,687	5,092	3,687
Rent expense for period	1,895	745	1,895	745

<sup>(</sup>c) E.R.A. is liable to make payments to the Commonwealth as listed below:

<sup>(</sup>i) amounts equal to the sums payable by the Commonwealth to the Northern Lands Council pursuant to the Section 44 Agreement (Aboriginal Land Rights (Northern Territory) Act 1976). These amount to \$200,000 per annum during the currency of the Agreement.

Note 13 continued

(ii) amounts equal to the sums payable by the Commonwealth to the Aboriginals Benefit Trust Account pursuant to Section 63(5) of the Aboriginal Land Rights (NT) Act. These amounts are calculated as though they were royalties payable pursuant to the Northern Territory Mining Act and represent 4½% of net sales revenue. (1986 \$10,347,000, 1985 \$11,945,000)

(iii) amounts equivalent to sums payable by the Commonwealth to the Northern Territory pursuant to an understanding in respect of financial arrangements between the Commonwealth and the Government of the Northern Territory. These amounts are also calculated as though they were royalties and the relevant rate is 1¼%. (1986 \$3,043,000, 1985 \$3,513,000)

(iv) amounts equal to 2% (or such other rate as the Minister of State for the time being administering Section 41 of the Atomic Energy Act may determine) of the payments received by E.R.A. in respect of sales of uranium concentrates. These amounts are credited to the Ranger Rehabilitation Trust Fund to provide for rehabilitation of the mine site. (1986 \$4,896,000, 1985 \$5,528,000)

# 14. CONTINGENT LIABILITIES

E.R.A. has given to the Commonwealth Government an undertaking to rehabilitate the Ranger Project Area after cessation of mining operations. To the extent from time to time that the amount standing to the credit of the Ranger Rehabilitation Trust Fund is insufficient to meet the then estimated cost of rehabilitation, this undertaking has been secured by a bank guarantee given by the Commonwealth Bank of Australia.

The estimated cost of rehabilitation (including contingency), should E.R.A. have been required to cease mining at 30 June 1986, would have been \$46,354,000 (1985 \$37,935,000) whilst the balance of the Trust Fund was \$29,695,000 (1985 \$21,105,000). See Note 13(c)(iv). The Northern Land Council has taken legal proceedings against the Commonwealth Government of Australia and E.R.A. to have the agreement for mining under Section 44 of the Aboriginal Land Rights (NT) Act set aside. The matter is before the High Court but may take some time to be finally resolved. Legal advice indicates action will be resolved in favour of the Company.

Sources of Funds					
Sources of Funds         5000         \$000			CONSOL	IDATED	
Sources of Funds           Funds from Operations         232,868         242,974		1986	1986	1985	1985
Funds from Operations		\$'000	\$'000	\$'000	\$'000
Less outflows of funds from operations   134,453   98,415   133,122   109,852	Sources of Funds				
Less outflows of funds from operations   134,453   98,415   133,122   109,852	Funds from Operations				
Less outflows of funds   from operations   134,453   98,415   133,122   109,852     Add non cash items:		232,868		242,974	
from operations         134,453         98,415         133,122         109,852           Add non cash items:         Amortization and depreciation         24,319         19,746           Amortization and depreciation         122,734         129,598           Reduction in Assets         Current Assets           Short term deposits         32,850					
Add non cash items:       24,319       19,746         Amortization and depreciation       122,734       129,598         Reduction in Assets       Current Assets         Short term deposits       32,850       —       —         Trade debtors       11,303       44,153       6,200       6,200         Increase in Liabilities       Current liabilities         Bank overdraft       1,473       442       —       —       —       6,200       0,004       2,486       — <td></td> <td>134.453</td> <td>98.415</td> <td>133,122</td> <td>109.852</td>		134.453	98.415	133,122	109.852
Amortization and depreciation         24,319         19,746           Reduction in Assets         122,734         129,598           Current Assets         32,850         —         —           Short term deposits         32,850         —         —         6,200           Increase in Liabilities         —         —         6,200         6,200           Increase in Liabilities         —         —         —         6,200         6,200         6,200         —         6,200		1000			
Reduction in Assets           Current Assets         32,850         —         —         —         6,200         7,200         6,200         7,200         7,200         7,200         7,200         7,200         7,200         7,200         7,200         7,200         7,200         7,			24 319		19 746
Reduction in Assets	7 Infortization and depreciation				
Short term deposits   32,850	D-1-1'-' 5		122,/34		129,598
Short term deposits         32,850         —           Trade debtors         11,303         44,153         6,200           Increase in Liabilities         —         —           Bank overdraft         1,473         442         —           Trade creditors and bills payable         4,147         —         —           Other creditors         —         5,620         2,044         2,486           Non current liabilities         —         5,620         2,044         2,486           Non current liabilities         —         5,620         2,044         2,486           Non current liabilities         —         172,555         138,284           Application of Funds         —         —         —         —           Increase in Assets         — <td></td> <td></td> <td></td> <td></td> <td></td>					
Trade debtors		22.050			
Increase in Liabilities   Current liabilities   Bank overdraft   1,473   442     Trade creditors and bills payable   4,147   —     Other creditors   —   5,620   2,044   2,486     Non current liabilities   —   172,555   138,284     Application of Funds			44 150	C 200	6.200
Current liabilities       1,473       442         Bank overdraft       1,474       —         Trade creditors and bills payable       4,147       —         Other creditors       —       5,620       2,044       2,486         Non current liabilities       —       172,555       138,284         Application of Funds       —       —       138,284         Increase in Assets       —       —       138,284         Current assets       —       —       815         Current assets       —       —       815         Cash on hand       14       4       4         Short term deposits       —       —       815         Trade debtors       1,586       25       25         Stock on hand       13,892       15,492       8,252       9,096         Non current assets       —       —       3,208         Mine plant, equipment & facilities       7,575       3,208         Deferred expenses       1,526       9,101       —       3,208         Reduction in Liabilities       —       —       3,474       820       4,294         Other creditors and bills payable       —       —       3,474       <		11,303	44,153	0,200	0,200
Bank overdraft         1,473         442           Trade creditors and bills payable         4,147         —           Other creditors         —         5,620         2,044         2,486           Non current liabilities         —         172,555         138,284           Application of Funds         —         —         138,284           Application of Funds         —         —         —           Increase in Assets         —         —         815           Current assets         —         —         815           Cash on hand         14         4         4           Short term deposits         —         —         —         815           Trade debtors         1,586         25         5         5         5         9,096         9,09					
Trade creditors and bills payable         4,147         —         5,620         2,044         2,486           Non current liabilities         Creditors and accrued expenses         48         —         —           Application of Funds         Increase in Assets           Current assets         Current assets           Cash on hand         14         4         —					
Other creditors         —         5,620         2,044         2,486           Non current liabilities         —         48         —         —           Creditors and accrued expenses         48         —         —           Application of Funds         —         172,555         138,284           Application of Funds         —         —         —         —           Increase in Assets         —				442	
Non current liabilities         48         —           Creditors and accrued expenses         48         —           Application of Funds         Increase in Assets           Current assets         Cash on hand         14         4           Short term deposits         —         815           Trade debtors         —         —           Other debtors         1,586         25           Stock on hand         13,892         15,492         8,252         9,096           Non current assets         Mine plant, equipment & facilities         7,575         3,208         3,208           Deferred expenses         1,526         9,101         —         3,208           Reduction in Liabilities         Current liabilities           Trade creditors and bills payable         —         3,474         820           Other creditors         2,237         42,054         —         4,294           Non current liabilities         2,237         42,054         —         4,294           Non current liabilities         Borrowings         12,225         51,003         51,003           Creditors and accrued expenses         —         12,225         49         51,052		4,147			
Creditors and accrued expenses         48         —           Application of Funds         Increase in Assets           Current assets         Cash on hand         14         4         4           Short term deposits         —         815         —           Trade debtors         —         —         —           Other debtors         1,586         25         —           Stock on hand         13,892         15,492         8,252         9,096           Non current assets         Mine plant, equipment & facilities         7,575         3,208         —         3,208           Deferred expenses         1,526         9,101         —         3,208           Reduction in Liabilities         —         3,474         —         3,208           Reduction in Liabilities         —         3,474         —         820         —         4,294           Pother creditors and bills payable         —         3,474         —         4,294           Non current liabilities         2,237         42,054         —         4,294           Non current liabilities         —         12,225         51,003         51,003           Creditors and accrued expenses         —	Other creditors	<u> </u>	5,620	2,044	2,486
T72,555   138,284   Application of Funds   Increase in Assets   Current assets   Current assets   Cash on hand   14	Non current liabilities				
T72,555   138,284   Application of Funds   Increase in Assets   Current assets   Current assets   Cash on hand   14	Creditors and accrued expenses		48		_
Increase in Assets   Current assets   Cash on hand   14			172.555		138.284
Increase in Assets   Current assets	Application of Funds				
Current assets       14       4         Short term deposits       —       815         Trade debtors       —       —         Other debtors       1,586       25         Stock on hand       13,892       15,492       8,252       9,096         Non current assets       Mine plant, equipment & facilities       7,575       3,208       3,208         Deferred expenses       1,526       9,101       —       3,208         Reduction in Liabilities       —       3,474       —       3,474         Borrowings       39,817       820       —       4,294         Non current liabilities       2,237       42,054       —       4,294         Non current liabilities       12,225       51,003       —       4,294         Non current liabilities       —       12,225       49       51,052         Dividends paid       41,000       55,000         Income tax paid       52,683       15,634					
Cash on hand       14       4         Short term deposits       —       815         Trade debtors       —       —         Other debtors       1,586       25         Stock on hand       13,892       15,492       8,252       9,096         Non current assets       Mine plant, equipment & facilities       7,575       3,208       3,208         Deferred expenses       1,526       9,101       —       3,208         Reduction in Liabilities       —       3,474       —       3,474         Borrowings       39,817       820       —       4,294         Non current liabilities       2,237       42,054       —       4,294         Non current liabilities       —       12,225       51,003         Creditors and accrued expenses       —       12,225       49       51,052         Dividends paid       41,000       55,000         Income tax paid       52,683       15,634					
Short term deposits       —       815         Trade debtors       —       —         Other debtors       1,586       25         Stock on hand       13,892       15,492       8,252       9,096         Non current assets       Mine plant, equipment & facilities       7,575       3,208         Deferred expenses       1,526       9,101       —       3,208         Reduction in Liabilities       —       3,474         Borrowings       39,817       820         Other creditors and bills payable       —       3,474         Borrowings       39,817       820         Other creditors       2,237       42,054       —       4,294         Non current liabilities       12,225       51,003         Creditors and accrued expenses       —       12,225       49       51,052         Dividends paid       41,000       55,000         Income tax paid       52,683       15,634		14		4	
Trade debtors         —         9,096         —					
Other debtors         1,586         25           Stock on hand         13,892         15,492         8,252         9,096           Non current assets         Mine plant, equipment & facilities         7,575         3,208           Deferred expenses         1,526         9,101         —         3,208           Reduction in Liabilities         Current liabilities           Trade creditors and bills payable         —         3,474           Borrowings         39,817         820           Other creditors         2,237         42,054         —         4,294           Non current liabilities         Borrowings         12,225         51,003           Creditors and accrued expenses         —         12,225         49         51,052           Dividends paid         41,000         55,000           Income tax paid         52,683         15,634		_			
Stock on hand         13,892         15,492         8,252         9,096           Non current assets         Mine plant, equipment & facilities         7,575         3,208           Deferred expenses         1,526         9,101         —         3,208           Reduction in Liabilities         —         3,474           Current liabilities         —         3,474           Borrowings         39,817         820           Other creditors         2,237         42,054         —         4,294           Non current liabilities         —         12,225         51,003           Creditors and accrued expenses         —         12,225         49         51,052           Dividends paid         41,000         55,000           Income tax paid         52,683         15,634		1.586		25	
Non current assets         7,575         3,208           Mine plant, equipment & facilities         7,575         3,208           Deferred expenses         1,526         9,101         — 3,208           Reduction in Liabilities         — 3,474         — 3,474           Borrowings         39,817         820           Other creditors         2,237         42,054         — 4,294           Non current liabilities         — 12,225         51,003           Creditors and accrued expenses         — 12,225         49         51,052           Dividends paid         41,000         55,000           Income tax paid         52,683         15,634			15.492		9.096
Mine plant, equipment & facilities       7,575       3,208         Deferred expenses       1,526       9,101       —       3,208         Reduction in Liabilities       Current liabilities         Trade creditors and bills payable       —       3,474         Borrowings       39,817       820         Other creditors       2,237       42,054       —       4,294         Non current liabilities       Borrowings       51,003       51,052         Creditors and accrued expenses       —       12,225       49       51,052         Dividends paid       41,000       55,000         Income tax paid       52,683       15,634				3,232	
Deferred expenses         1,526         9,101         —         3,208           Reduction in Liabilities         Current liabilities           Trade creditors and bills payable         —         3,474           Borrowings         39,817         820           Other creditors         2,237         42,054         —         4,294           Non current liabilities         Borrowings         51,003         51,003         51,052           Creditors and accrued expenses         —         12,225         49         51,052           Dividends paid         41,000         55,000         55,000           Income tax paid         52,683         15,634		7 575		2 200	
Reduction in Liabilities         Current liabilities         Trade creditors and bills payable       —       3,474         Borrowings       39,817       820         Other creditors       2,237       42,054       —       4,294         Non current liabilities       Borrowings       51,003       51,003       51,052         Creditors and accrued expenses       —       12,225       49       51,052         Dividends paid       41,000       55,000         Income tax paid       52,683       15,634			0.101	3,200	2 200
Current liabilities       —       3,474         Trade creditors and bills payable       —       3,474         Borrowings       39,817       820         Other creditors       2,237       42,054       —       4,294         Non current liabilities       —       12,225       51,003         Creditors and accrued expenses       —       12,225       49       51,052         Dividends paid       41,000       55,000         Income tax paid       52,683       15,634		1,520	9,101		3,200
Trade creditors and bills payable       —       3,474         Borrowings       39,817       820         Other creditors       2,237       42,054       —       4,294         Non current liabilities       12,225       51,003         Creditors and accrued expenses       —       12,225       49       51,052         Dividends paid       41,000       55,000         Income tax paid       52,683       15,634					
Borrowings         39,817         820           Other creditors         2,237         42,054         —         4,294           Non current liabilities         12,225         51,003           Creditors and accrued expenses         —         12,225         49         51,052           Dividends paid         41,000         55,000           Income tax paid         52,683         15,634				0.454	
Other creditors         2,237         42,054         —         4,294           Non current liabilities         12,225         51,003           Borrowings         —         12,225         49         51,052           Creditors and accrued expenses         —         12,225         49         51,052           Dividends paid         41,000         55,000           Income tax paid         52,683         15,634					
Non current liabilities         12,225         51,003           Borrowings         -         12,225         49         51,052           Creditors and accrued expenses         -         12,225         49         51,052           Dividends paid         41,000         55,000           Income tax paid         52,683         15,634				820	
Borrowings         12,225         51,003           Creditors and accrued expenses         —         12,225         49         51,052           Dividends paid         41,000         55,000           Income tax paid         52,683         15,634	Other creditors	2,237	42,054		4,294
Creditors and accrued expenses         —         12,225         49         51,052           Dividends paid         41,000         55,000           Income tax paid         52,683         15,634	Non current liabilities				
Dividends paid         41,000         55,000           Income tax paid         52,683         15,634		12,225		51,003	
Dividends paid         41,000         55,000           Income tax paid         52,683         15,634	Creditors and accrued expenses	<u> —</u>	12,225	49	51,052
Income tax paid <u>52,683</u> <u>15,634</u>			41.000		55,000

# **Statement by Directors**

Energy Resources of Australia Ltd (Incorporated in the Australian Capital Territory)
In the opinion of the Directors:

- (a) the accounts of the Company and of the Group, set out on pages 18 to 25, are drawn up so as to give a true and fair view of the state of affairs as at 30 June 1986, and the profit for the year ended on that date of the Company and of the Group as far as they concern members of the Company;
- (b) at the date of this statement there are reasonable grounds to believe that the Company will be able to pay its debts as and when they fall due; and
- (c) the accounts are in accordance with Australian Accounting Standards and applicable Approved Accounting Standards.

Signed at Sydney this 21st day of August, 1986 in accordance with a resolution of the Directors.

A L Morokoff DIRECTOR

F M Bethwaite

# Auditors' Report to the Members of Energy Resources of Australia Ltd

(Incorporated in the Australian Capital Territory)

We have audited the accounts and group accounts set out on pages 18 to 26 in accordance with Australian Auditing Standards.

In our opinion the accounts and group accounts are properly drawn up in accordance with the provisions of the Companies Act 1981 and so as to give a true and fair view of:

(i) the state of affairs of the Company and of the Group as at 30 June 1986 and of the profit of the Company and of the Group for the year ended on that date so far as they concern members of the holding company; (ii) the other matters required by Section 269 of that Act to be dealt with in the accounts and in the group accounts; and are in accordance with Australian Accounting Standards and applicable Approved Accounting Standards.

Coopers & Lybrand CHARTERED ACCOUNTANTS

# by M J Sharpe

Sydney 21 August 1986

Information pursuant to Australian Associated Stock Exchanges Listing Requirement 3c.

# **Entitlement to Votes** (Article 85)

Subject to any rights or restrictions for the time being attached to any shares on a show of hands every Member present in person or by proxy or by attorney or by Representative and entitled to vote shall have one vote, and on a poll every Member present in person or by proxy or by attorney or by Representative shall have one vote for each share held by him.

# Stock Exchange Listing

E.R.A. shares are listed on the exchanges of the Australian Associated Stock Exchanges. The home exchange is the Sydney Stock Exchange Ltd.

# **Distribution of Shareholders** as at 15 August 1986

(a) A Class Ordinary Shareholders			EQUAL TO 75.0% OF T	HE ISSUED CAPITAL	
NUMBER	R OF SHAREHOLDERS	%	NUMBER OF SHARES	%	
1-99	15	0.0	557	0.0	
100-1000	19,494	85.1	7,742,473	2.5	
1001-5000	2,860	12.5	6,807,240	2.2	
5001-10,000	317	1.4	2,395,982	0.8	
over 10,000	222	1.0	290,553,748	94.5	
	22,908	100.0	307,500,000	100.0	
(b) B Class Ordinary Shareholders EQUAL TO 15.0% OF THE ISSUED CAPITA					
			NUMBER OF SHARES	%	
Rheinbraun Australia	Pty Limited		25,625,000	41.6	
UG Australia Developments Pty Limited			16,400,000	26.7	
Interuranium Australia Pty Limited			15,375,000	25.0	
OKG			4,100,000	6.7	
			61,500,000	100.0	
(c) C Class Ordinary Shareholders			EQUAL TO 10.0% OF T	HE ISSUED CAPITAL	
			NUMBER OF SHARES	%	
Japan Australia Uraniu	ım Resources				
Development Co Ltd		( ·	41,000,000	100.0	
Total Issued Capital		Supplied House	410,000,000	Physical Property	
Register of Substantial Shareholders SHARES IN WHICH BENEFICIAL INTEREST HELD AS AT 15 AUGUST 1986					
A Class Ordinary Shar	reholders				
Peko-Wallsend Ltd EZ Industries Limited*				136,329,100	
A Class Ordinary Sh	naros			263,274,100	
B Class Ordinary Shares				61,500,000	
C Class Ordinary Sh				41,000,000	
B Class Ordinary Shareholders Phoiobroup Australia Phy I imited				25,625,000	
Rheinbraun Australia Pty Limited UG Australia Developments Pty Limited				16,400,000	
Interuranium Australia Pty Limited				15,375,000	
				10,070,000	
C Class Ordinary Share		1.C. T. 1		41 000 000	
Japan Australia Uranium Resources Development Co Ltd 41,000,000					
*By a notice of change in interest of substantial shareholders dated 29 May 1986 received					

<sup>\*</sup>By a notice of change in interest of substantial shareholders dated 29 May 1986 received from North Broken Hill Holdings Limited, E.R.A. was informed that EZ Industries Limited has a relevant interest in all A Class ordinary shares held by Peko-Wallsend Ltd and all the B Class shares and C Class shares on issue. The relevant interest is said to have arisen under an Agreement and a series of Instruments entered into by E.R.A. with its shareholders between September 1980 and December 1981.

Twenty Largest Shareholders	of A Class Ordinary Shares as	s at 15 August 1986
SHAREHOLDER		SHARES HELD
Peko-Wallsend Ltd		136,329,100
EZ Industries Limited		126,945,000
Australian Mutual Provident Society		4,167,860
CTB Nominees Ltd		3,577,500
MLC Life Limited		1,927,367
Pendal Nominees Pty Ltd		1,600,222
National Nominees Limited		966,829
Government Insurance Office of New South Wales		962,900
Eagle Star Nominees Ltd		870,400
ANZ Nominees Ltd (Melbourne)		796,028
Hambro Securities Ltd		623,100
The City Mutual Life Nominees Pty Ltd		591,100
Bank of New South Wales Nominee Pty Ltd		566,650
Public Authorities Superannuation Board		542,300
The Perpetual Executors & Trustees Association of Australasia Ltd		539,150
The City Mutual Life Assurance Society Ltd		524,000
Australian Foundation Investment Co Ltd		500,000
The National Mutual Life Association of Australasia Ltd		400,000
Schroders Dual Fund Ltd		374,900
Scottish Amicable Life Assurance Society		355,000
Total		283,159,406

The proportion of A Class Ordinary Shares held by the twenty largest shareholders is 92.0%.

# Interest of Directors in the share capital of the Company as at 21 July 1986

	SHARES HELD
A L Morokoff	5,000
F M Bethwaite	5,000
A W Hamer	15,000
Sir Rupert Myers	2,000

# **Share Registries**

New South Wales C4 Professional Share Registries (NSW) Pty Ltd 4th Floor, 720 George Street

Sydney NSW 2000 Telephone: (02) 211 5299

# Victoria

C/ Professional Share Registries (NSW) Pty Ltd Bishop Connelly & Duncan 3rd Floor, 11 Bank Place Melbourne Vic 3000 Telephone: (03) 60 1206

# **Australian Capital Territory** C/- Professional Share

C- Professional Share
Registries (NSW) Pty Ltd
C- Houston & Brown
3rd Floor, 40 Marcus Clarke Street
Canberra City ACT 2601
Telephone: (062) 49 8515

