

RESUME

GRAEME FRESHWATER

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PERSONAL DETAILS:

Date of Birth: 1st December 1943
Marital Status: Married to Jeanette. Two adult children and three grandchildren

EDUCATION & DEVELOPMENT:

1960 – 1965 **Diploma of Civil Engineering**
Sale Technical School / Caulfield Institute of Technology

1959 **Intermediate Certificate**
Sale Technical School

1958 **Junior Technical Certificate**
Sale Technical School

SEC Courses: *Various in-house and external technical and management courses*

OVERSEAS VISITS:

September 1990: USA AND CANADA

I attended the World Mining Congress in New Orleans prior to visiting a number of Coal mines in the USA and two Tar Sand Mines in Canada.

July 1985: INDONESIA AND PHILIPPINES

Dr R. Hutchings and I visited the Tambang Batubara Bukit Asam Mine in South Sumatra on behalf of the SECV and Mertz Maunsell. The aim of the visit was to establish a training programme for the Indonesians. Since the visit, many exchanges for training between the two areas have taken place including assistance in the establishment of a Workshop in the Mine. The island of Semirara in the Philippines was also visited to compare a similar open cut operation to that in Indonesia.

EMPLOYMENT HISTORY:

September/October 2007 Due diligence type review of Jembayan and Sebuka Coal Mines in Kalimantan for a financing bank. Straits Resources owned Sebuku and were looking to buy Jembayan which they subsequently did. Both mines are open cut/ truck and shovel operations to coal stockpiles and loading to barges/ships.

November/December 2007 Review of mine performance and effects on production and mine plan as a result of a major batter failure and influx of Latrobe River into the mine.

September 2002 – 2008

BDA

INDEPENDENT ENGINEER and MINING

CONSULTANT

Responsible for periodic reviews and performance reports on the Yallourn Mine.

February 2002 – August 2002

RTL, Yallourn Mine

PLANT UPGRADES MANAGER

Responsible for the Plant Upgrade Programme for the Yallourn Mine. Works included upgrades to coal and overburden excavating and conveying plant, control systems, fire services and power supplies. In addition provided technical and operating assistance for the introduction of the slope mining method of coal excavation.

1999 – 2001

BDA

MINING CONSULTANT (Part Time)

November 1996 – May 1998

Tambang Air Laya Coal Mine

MINE MANAGER

Responsible for the management and operation of Tambang Air Laya Coal Mine in South Sumatra. Contracted to the Indonesian Government Coal Mining Company PTBA and reporting direct to the Board of Directors.

This mine commenced operation in 1985 with five-bucket wheel excavators feeding conveyor lines to a coal stockpile and an external overburden dump with two spreaders. The production was

supplemented with contracted Truck and Shovel Operators removing overheight material, hard interseam material and the lower coal seam.

Key Responsibilities:

- Re-organise the mine management structure
- Upgraded belt vulcanising using ex-pat assistance
- Introduced a daily production meeting (6 days per week)
- Introduced a health and safety committee and monthly meeting
- Established cost control measures and monthly review
- Introduced teamwork methods to the management team
- Piloted a production bonus system
- Improved Mine and Dump planning
- Upgraded Dump rehabilitation

The above actions contributed to an improvement of BWE system utilisation from 26% to 50% and all previous production records being broken. There was a noticeable improvement in worker morale as a result of the bonus system and the safety performance was a credit to the committee.

In addition to managing the TAL Mine, I advised the Board of Directors on other mining and management matters relating to the PTBA Operation.

EMPLOYMENT HISTORY CONTINUED:

August – October 1996

**Geo – Eng Australia Pty Ltd
PRINCIPAL ENGINEER - MINING**

Responsibilities:

- Investigations and advice to clients on Coal Mining and Mineral Sand Mining in Victoria
- Feasibility of outsourcing Mine planning functions for a South Australian Mine

May 1995 – July 1996

**Various Companies
PART TIME CONSULTANT**

Responsibilities:

Roche – Thiess – Linfox:

- Review of Mining operation proposal for Loy Yang Mine

AusAid:

- Assisted the Beijing General Research Institute for Mining and Metallurgy with the community development / Mine rehabilitation project at Tongling

Mining Solutions Australia:

- Due diligence review of the Yallourn Mine prior to privatisation
- Due diligence review of the Morwell Open Cut Mine prior to privatisation

August 1992 – May 1995**Generation Victoria / Loy Yang Power
MINE MANAGER – Loy Yang Mine****Responsibilities:**

- Manage and operate the Mine to ensure a reliable supply of brown coal to its customers, namely Loy Yang A Power Station, Mission Energy and Auschar Dried Coal Plant
- Contribute to the management of Generation Victorian and the disaggregation process of businesses into new entities
- Lead Manager for the outsourcing of maintenance and service functions for three contracts, namely Brambles (Cranes), Linfox (Transport), and NS Komatsu (Mobile Plant Maintenance)
- Involved in the establishment of the first Enterprise Agreement in the Mine. This agreement lead to improved industrial relations with unions and workforce – eg overtime reduced from \$2.4 million to less than \$1 million
- Lead the introduction of Best Practice Program, which included a strategic plan for the development of semi-autonomous work groups
- Improved employee availability and reduced Work Cover costs resulted in premiums being halved

EMPLOYMENT HISTORY CONTINUED:*** Comment: ***

During the three-year period within the Loy Yang Mine, coal production increased from 15.9 million tonnes to 34.6 million tonnes, coal supply reliability was maintained at 100%. The number of lost time injuries reduced dramatically, resulting in the total injury frequency rate being reduced from 66 to 9.

August 1988 – August 1992**State Electricity Commission of Victoria
MINE MANAGER – Morwell Open Cut****Responsibilities:**

- Responsible for the supply of Brown Coal to Hazelwood Power Station , Morwell Briquette Factory and Power Station
- The introduction of a private operator to manage the overburden removal operation
- Improved safety performance
- Introduce mine rehabilitation plans & improve production plant performance

January 1966 – August 1988**State Electricity Commission of Victoria
VARIOUS ENGINEERING & SECTION HEAD
ROLES****Responsibilities:****1966: Probationary Cadet**

- Gained experience in various engineering and production roles in the Latrobe Valley Mines and at head office in Melbourne

1973: Section Head (Morwell, Yallourn and Loy Yang Mines)

- Predominantly in the production area and responsible for a range of mining activities including, excavation, transportation and bunkering of coal and dumping of overburden, fire and water services artesian de-watering, mine rehabilitation, etc