

**ENSHAM RESOURCES PTY LTD**  
**"Good Safety Performance"**  
**How much is luck?**

*Sean Cross  
Manager Health & Safety  
Tuesday 8th August 2006*



***Presentation Outline***

- Introduction to Ensham Resources
- What is Luck?
- Health & Safety Performance
- How do we make Luck?

***Introduction to Ensham  
Resources***

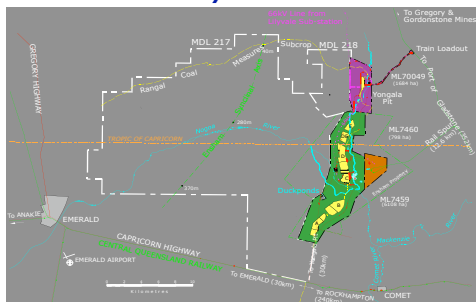
**Who are we?**  
**Ensham Resources Joint Venture**

-  **Idemitsu Kosan**
  - \* Muswellbrook Coal
  - \* Ebenezer Mine
  - \* Ensham Resources
  - \* Boggabri
-  **J-Power**
-  **LG Industrial**

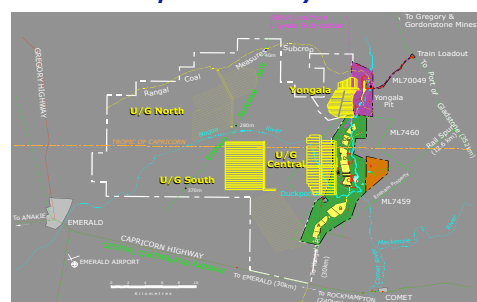
**Where we are?**

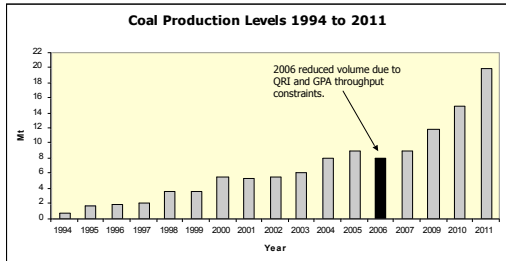


**Mine Layout**



**Proposed Mine Layout**





### TRUCK & EXCAVATOR OVERBURDEN

- 55 Mbcm total Handled
- 8 Fleets – PC5500 to EX2500/PC3000



### DRAGLINE OVERBURDEN

- 45 Mbcm Total Handled
- BE8050
- P&H9020
- BE1260

- Dragline 4 - BE 8750-63
- 28Mbcm per annum capacity



**What is Luck?**

### ***So What is Luck?***

**Luck is: The chance happening of fortunate or adverse events.**

### ***People Accept Bad Luck?***

- 'Lucky it only took the top of his finger off'
- 'Lucky it hit him in the head'
- 'Bad Luck follows that bloke – that's the second finger'
- 'It's just bad luck'
- 'I knew that was going to happen'
- 'Gee, you wouldn't want to stand beside that bloke'

### **Bad Luck??**



#### **Contributing Factors:**

- Procedural Failure
- Human Factor
- Organisation Failure
- Lack of Defences

### **Bad Luck??**



#### **Contributing Factors:**

- Procedural Failure – Drive to Conditions
- Human Factor
- Lack of Defences

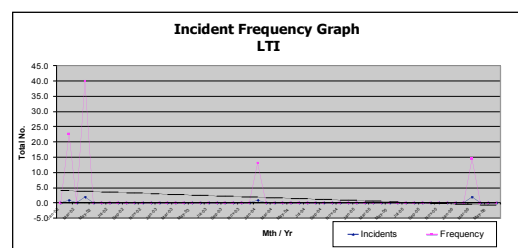
***Lag Indicators can be corrupted by Luck:***

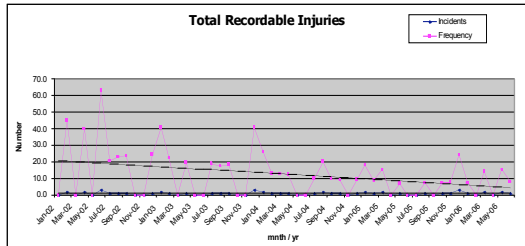
- One second
- One millimetre
- One change of position
- One person with knowledge

## **ERPL Health & Safety Performance**

***Lag Indicators – Lack of Luck??***

- LTI & LTIFR
- RI & RIFR
- HPI Reports
- First Aid Injury
- Damage
- Interruption to Business Process





### ***Lead Indicators – Making your own Luck***

- Risk Management e.g. SLAMS WRAC
- Hazard & Housekeeping Inspections
- Task Observations
- Corrective Actions Close Out
  - Incident Analysis and Review
  - Explore hard Engineering control options
  - Track / record accountabilities & timeframes

### ***Getting Lucky in a Workplace?***

### ***Developing a Safe Workplace***

- Understanding and knowing your workplace
- Ensuring you have a good skill set for your people
- Developing a systematic approach that is workable
- Buy in or ownership of the whole process by your people

### ***Developing a Safe Workplace***

- **Absolute Management Commitment to the wellbeing of your people**
- **Implementing what you have developed**
- **Measure to manage - audits**

***Thank You***