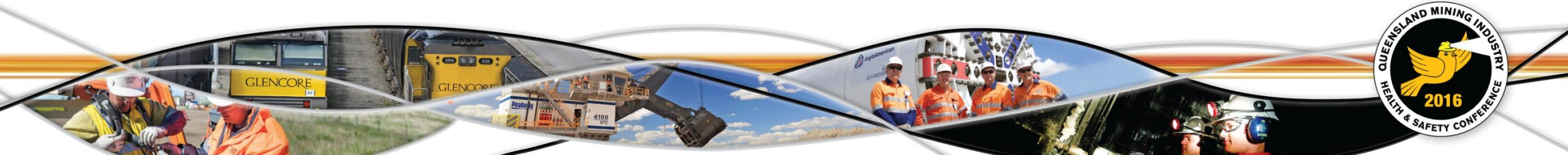


Learnings from 18 Level 1 Emergency Exercises

Martin Watkinson
Executive Mining Engineer

Simtars



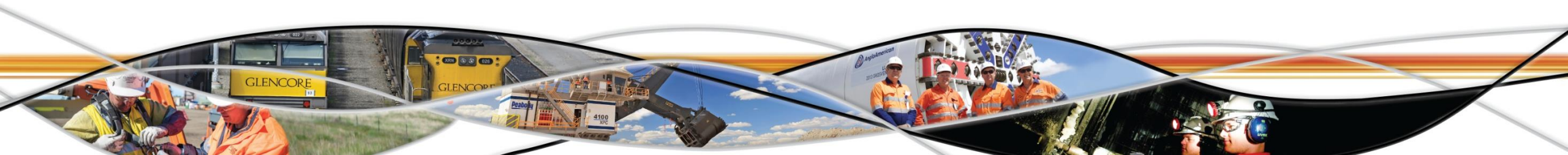


A Past forgotten is a future repeated

Why Run Emergency Exercises?

Coal Mine Explosions

Year	Mine	Lives Lost	Location
1972	Box Flat	17	QLD
1975	Kianga No 1	13	QLD
1979	Appin	14	NSW
1986	Moura No 4	12	QLD
1994	Moura No 2	11	QLD
2010	Pike River	29	New Zealand





A Past forgotten is a future repeated

Why Run Emergency Exercises?

Moura No. 2 Mine Inquiry recommended –

- *"Emergency procedures should be exercised at each mine on a systematic basis, the minimum requirement being on an **annual** basis for each mine"*
- *Queensland:- Recognised Standard 08. Conduct of mine emergency exercises.*
- *NSW:- Code of Practice. Emergency planning for mines*
- *New Zealand:- Underground Mines Emergency Protocol*
- *Ie: It is legislated*





A Past forgotten is a future repeated

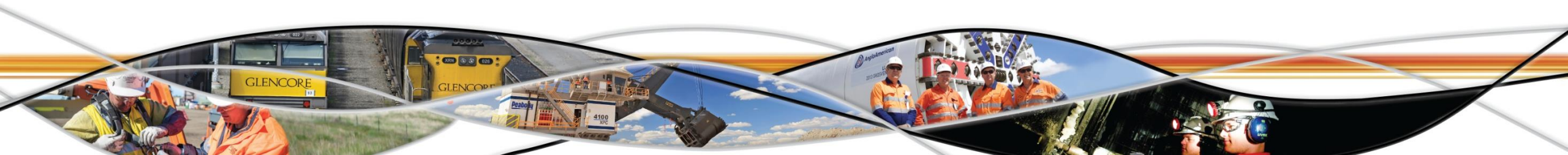
Why Run Emergency Exercises?

Better reasons are:

They are an ideal opportunity to test your mines emergency response system.

The level 1 exercise not only test the mines emergency response system but also the state response including:

- Queensland Mines Rescue Service (QMRS)
- Simtars
- Inspectorate
- Industry Safety and Health Representatives





A Past forgotten is a future repeated

History

Level 1 exercises have been run in Queensland since 1998

The first exercise was held at Southern Colliery (Grasstree West)

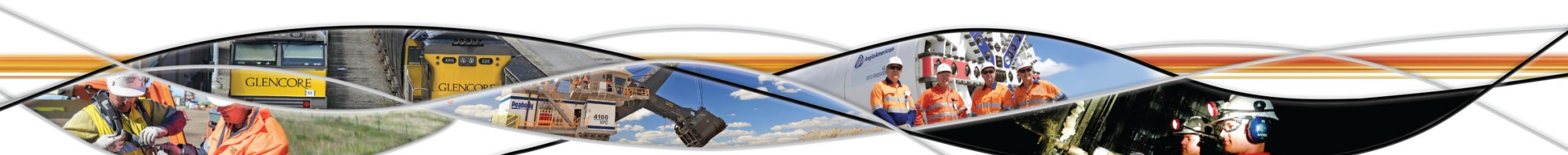
Some mines have hosted the exercise twice:

Newlands, North Goonyella and Kestrel

Grasstree's second exercise is this year.

Hundreds of recommendations made

Not all have been adopted





A Past forgotten is a future repeated

History

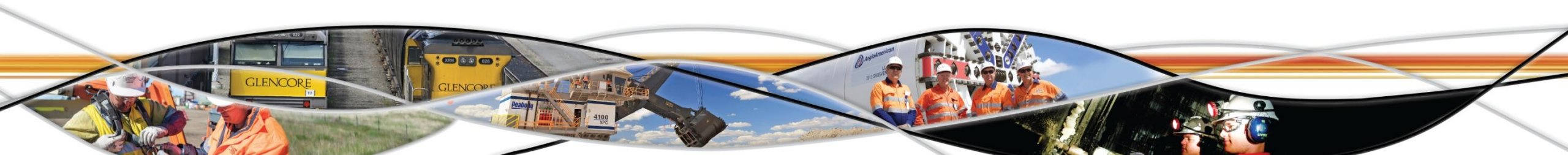
Some staff feel threatened by the Exercise:

One mine pulled all contractors on the day of the exercise

Printed reports were issued

Information disseminated via
Conferences
Queensland Mining Journal
Workshops

Only one person has been present on all exercises





A Past forgotten is a Future repeated

What Have We learnt?

IMT process has improved (MEMS)

QMRS deployment still an issue

Control room = intelligence cell

Inertisation capability

Emergency response for gas





A Past forgotten is a future repeated

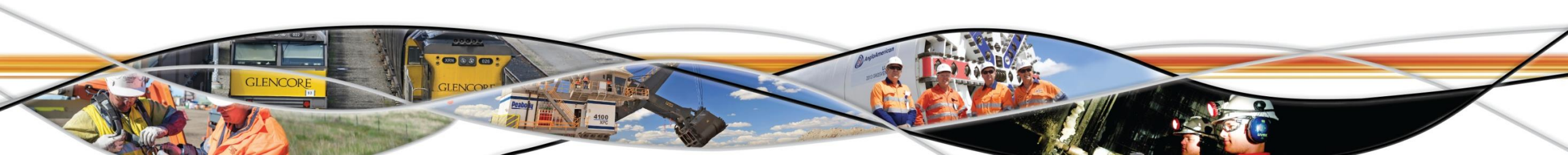
What Have We learnt?

Still regarded as a threat

Oaky No 1 leave a success

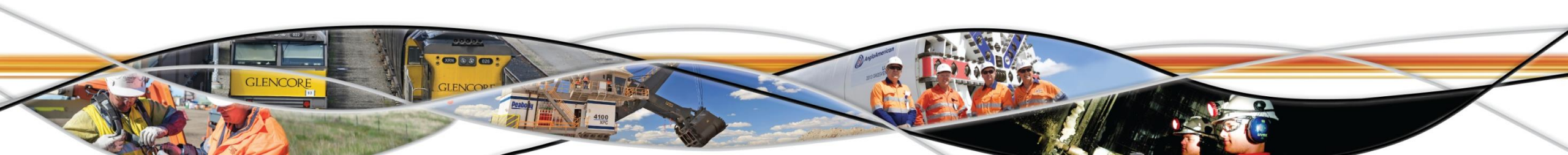
Changes to emergency response plan

The use of Video is an important tool





A Past forgotten is a future repeated





A Past forgotten is a future repeated





A Past forgotten is a future repeated

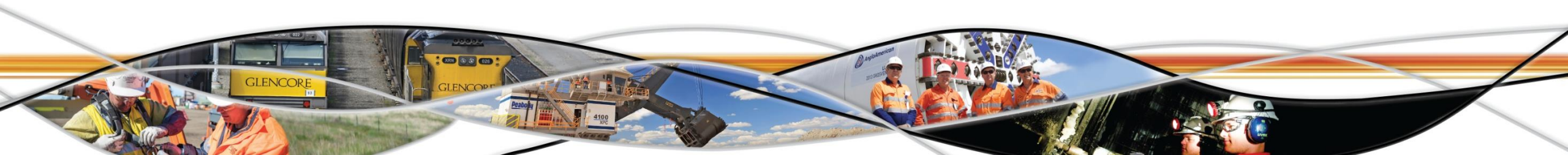
What Have We learnt?

Mineworkers are now more familiar with SCSR and CABA





A Past forgotten is a future repeated





A Past forgotten is a Future repeated

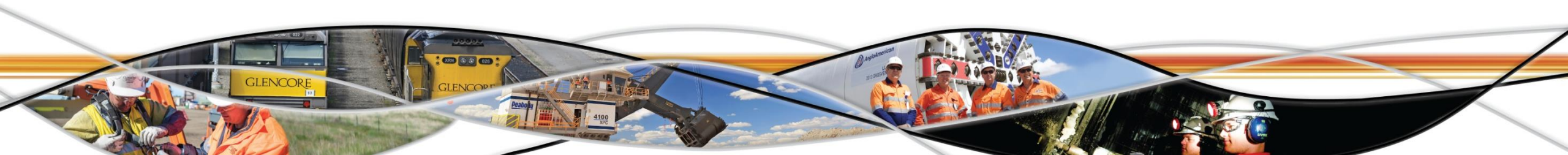
Options for the Future

Emergency response = a safety management plan failure.

Level 1 = an opportunity to test your system

Use video in Level 2 exercise/SCSR training

MEMS (ICS) developed by QMRS. (More practice is still required)





A Past forgotten is a Future repeated

Presented by:

<https://publications.qld.gov.au/dataset/queensland-level-1-mine-emergency-exercise-reports>

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