

ICMM's risk management journey

Hannes Struyweg, Director, Health and Safety 31 October 2014









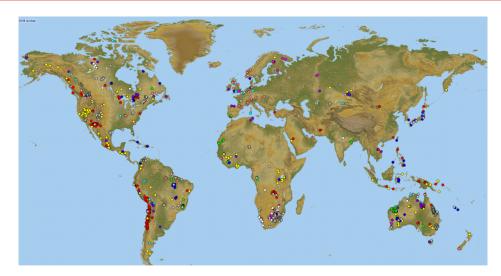
ICMM at a glance



CEO led

21 Company members 32 Association members





Over 800 sites in 70 countries

Our vision and its fundamental implication



ICMM Vision

leading mining and metals companies working together and with others to strengthen the contribution to sustainable development



Fundamental implication

creating value for shareholders while simultaneously creating value for the communities and societies in which they operate

Our role: a catalyst for improving environmental and social performance in the mining and metals industry

ICMM Principle 5

eliminate workplace fatalities, injuries and diseases

health
surveillanc
e and
risk-based
monitoring

health and safety training

seek
continual
improvement
of our health
and safety
performance

Émployees Contractors Communitie Managemen t systems rehabilitate

rehabilitate and reintegrate employees

Perceptions of health and safety in mining

International Labour Organization (ILO):

- Priority is given to workers in the most hazardous sectors such as agriculture, construction, mining, or ship-breaking
- Occupational deaths and injuries and work-related diseases take heavy toll in developing countries where large numbers of workers are concentrated in the primary and extractive activities



1914: A performance legacy

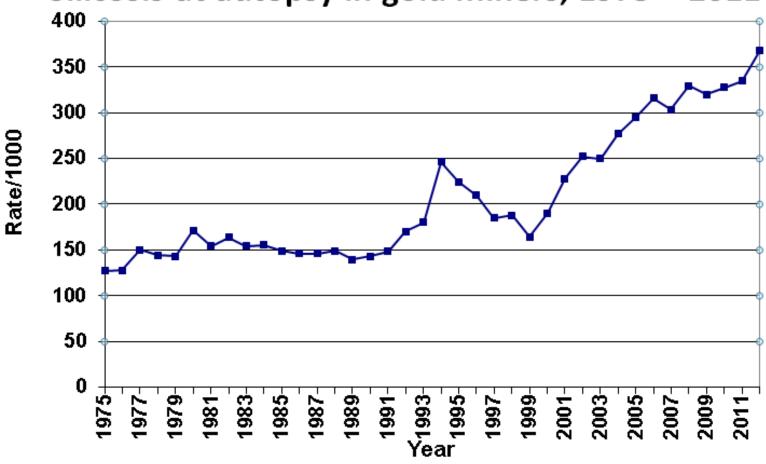
"Two hundred thousand subterranean heroes who, by day and by night, for a mere pittance, lay down their lives to the familiar 'fall of rock' and who, at deep levels, ranging from 1,000 to 3,000 feet in the bowels of the earth, sacrifice their lungs to the rock dust which develops miners' phthisis and pneumonia."



Sol PlaatjeFirst Secretary General of the African National Congress, 1914

2014: The legacy continues





2014: The legacy continues

Italy court finds company owners guilty in asbestos case



SA court ruling opens door for claims against mines

By: Petronel Smit

Published: 3rd March 2011

JOHANNESBURG (miningweekly.co an occupational health disease ca

The ruling has enabled mine work

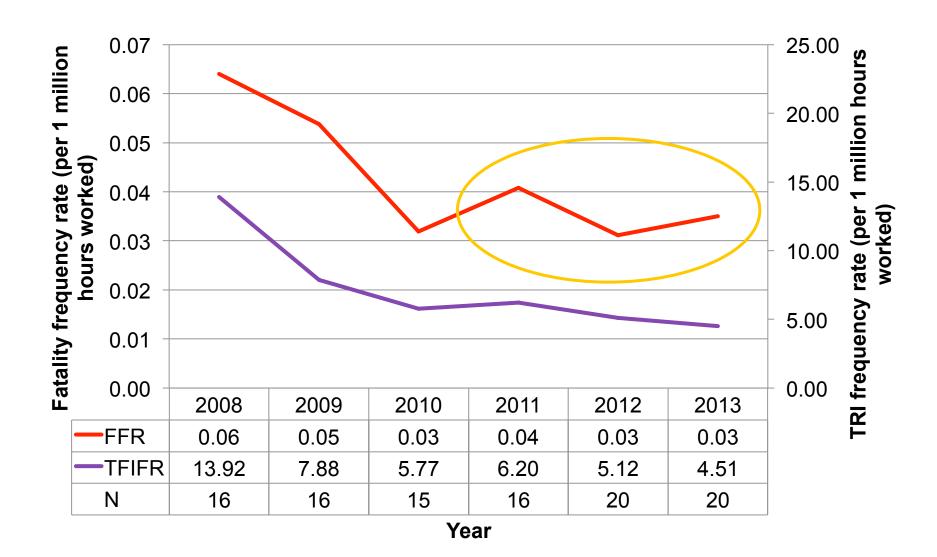
Thembekile Mankayi, who sustai civil claim of more than R2,6-millio (ODIMWA).

The court had to decide on wheth employers, or whether a section (

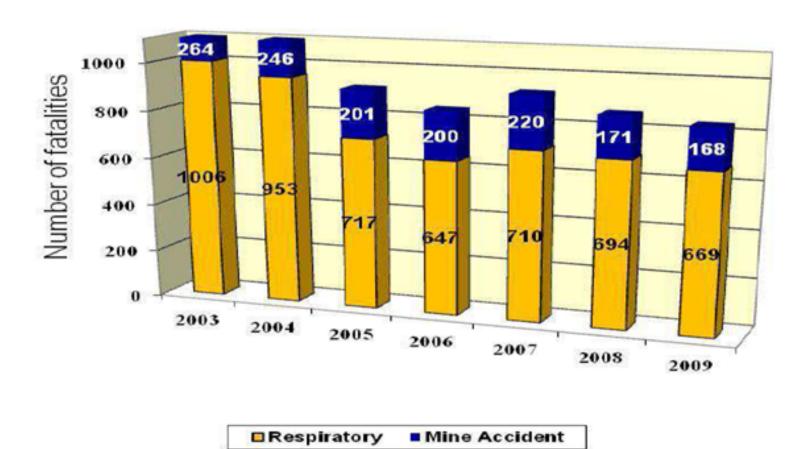
Mankayi died on Tuesday, two da

Attorney Richard Spoor, who rep Weekly Online that mining compar-

ICMM companies' safety performance

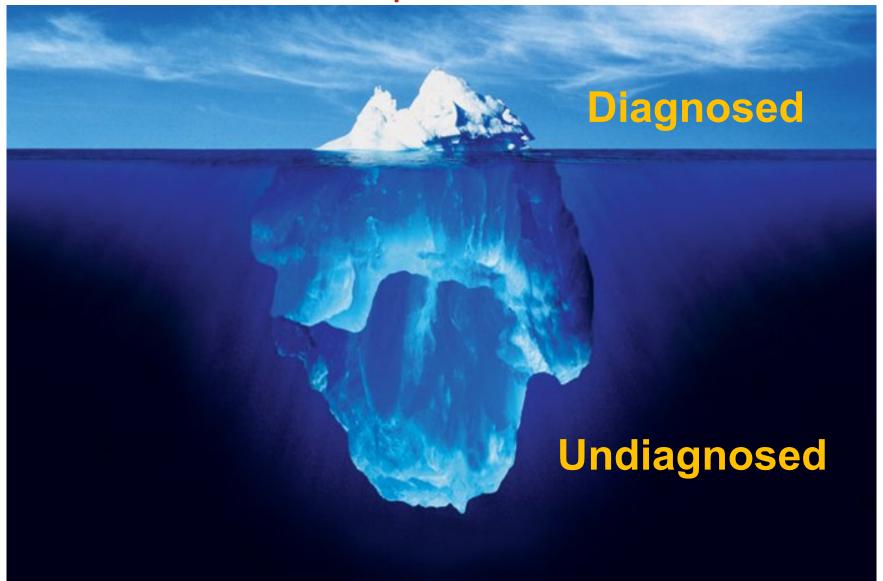


Fatalities from occupational health



Data source: Mine Health & Safety Council, South Africa. Annual report 2011

Contribution of inadequate medical services



Future Trends - claims



BY ED CROPLEY

CO REVYERS

MINDHOXDHG USBOTHO, NAMED I 24, 2010

hey came on horseback or by foot, tradging through Leecha's highlands and distribute tarboard attention discounters to back their

gold rainers and wither crowded into a mentional bonday Lectics - woderd deep endargement for office in Senongham, 120 km (50 mile) and of Le-many year, often with involving protection. They sother capital. They were there to add their thank- inhaled all anders from gold-bearing sothe and inter-

points to the mone of peoply 7,000 others who are increases were throthering the biggest class action sait Africa has the Control Sections

In South Addrs, a country oil gauging with the Improving 2000, consequence of sportheld, the case bushes on 2000, sources were exposed. politics and history. The implications for its gold raining datas that South Albain gold mining from mined. Industry and the first state with the government - already strained by particle of anticodination - are hope

On one day in Junuary alone, amend 41 former Thermen - remedicath Affician, other from religio-

MERCAL REPORT 1



Silicosis claims settlement 2013

Changing environment

- Ageing workforce (Chronic diseases)
- Drifting and diverse Occupational Exposure Level standards (Moving target)
- Strengthening compliance enforcement and additional regulation (Compliance versus performance)
- New technologies (Nano technology)
- Global economic integration (Migrant workers)
- GDP growth projections for developing countries (Improved medical services)

Ambition

Zero over exposure on OELs that can lead to fatal occupational diseases or measurable incapacity

The solution lies in the review of our approach Integrated approach

Community health

Employee
Well-being

Occupational safety & health

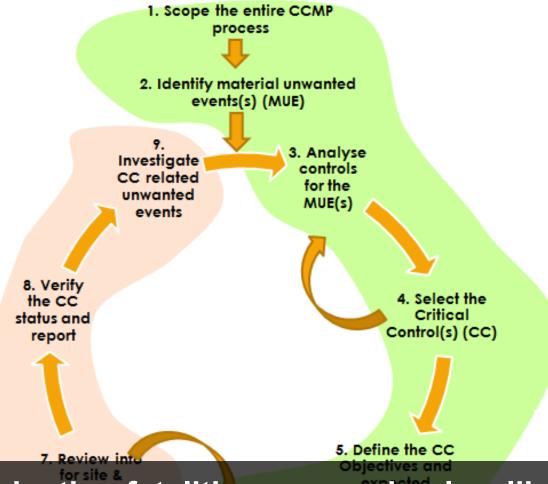
Learn from other industries

CASE STUDY, 2005:

To achieve an integrated health program NASA should:

- revamp employee health vision to improve linkage and support for NASA's core mission and goals
- integrate workplace safety with the occupational health function
- establish specific interfaces between health benefits design and in Human Resources and Occupational Health
- adopt management systems approach to actualize, sustain, and improve NASA's commitment and performance in employee health, safety, and well-being

Review Approach: Focus on Critical Controls



Eliminating fatalities - managing low likelihood, high consequence risks through critical control implementation, verification and assessment of effectiveness



For further information:

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