

Health & Safety Update 2022



Before we get underway

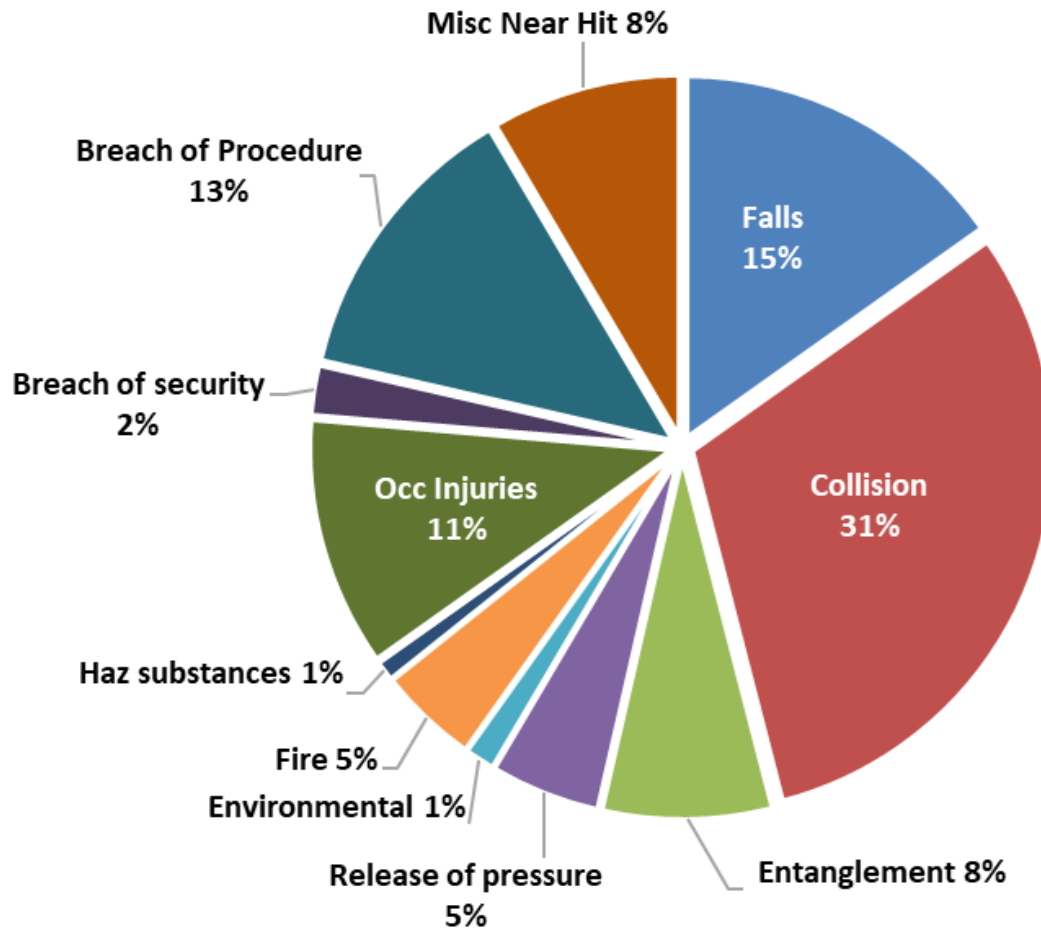
- **Please switch OFF mobile phones**
- **What to do in event of emergency**
- **Facilities and messages**
- **With what are you having the most difficulty in H&S at work?**

Before we get underway

- **Our office has sent these presentations to your registered email address.**
- **If you would like them resent, please email:**

office@minex.org.nz

All Operations - All incidents Q4 October to December 2021



Trends across 2021

- **Significant drop in number of incidents reported**
- **Repeat incidents continued**
- **One fatality (fall incident)**
- **COVID challenges**
- **Changing view on managing safety in mining/quarrying sector**



Lessons from other sectors



Fatal injury during hydraulic hose repair

- **One fatality in workplaces every week.**
- **Agriculture, forestry and construction.**
- **Most fatalities involve vehicles and falling objects.**

COVID-19 in 2021

- Operated under level 4 lockdown restrictions
- Vaccinations became widespread
- Getting used to Traffic Light system
- Risk assessments led to issues
- Cannot rely on a single control

TRAFFIC LIGHT SYSTEM AT A GLANCE
The new system for Covid-19 response will take effect from 11.59pm on Thursday, December 2.



Red	Orange	Green
<ul style="list-style-type: none">• Working from home encouraged. Hospitality, retail, and gatherings allowed for vaccinated but with limits similar to level 2.• For venues that don't use vaccine certificates - contactless pickup only for hospitality, gathering limit of 10, no gyms or hairdressers.	<ul style="list-style-type: none">• Close to normal life for the vaccinated, with more masks required and some capacity limits.• For venues that don't use vaccine certificates - contactless pickup only for hospitality, stricter gathering limits, no gyms or hairdressers.	<ul style="list-style-type: none">• Essentially normal life for the vaccinated, with schools, retail, hospitality all open with no limits.• For venues that don't use vaccine certificates - some gathering limits, similar to level 2.

BOI – Grosvenor Mine incident May 2020

- Gas explosion Grosvenor Mine (5 workers seriously burnt).
- 60% of methane exceedances in QLD from Grosvenor in 2018 (Explosive range 5 -15% oxygen, exceedance over 2.5% reported).
- Longwall 104 - 14 exceedances in 4 weeks before the incident (3 - 4 on one day).
- 6 days from incident acknowledgement that they couldn't control gas but kept producing.
- Investigations carried out on all HPis.
- Frank acknowledgement of common causes.



Learnings

- You can blame or learn but you can't have both (lack of evidence due to self incrimination)
- Goal conflict – Production vs Safety tension (direct relationship between HPIs and production rates). Everyone aware that a drop in production would lower gas exceedances (Need to set limits)
 - Plans can drift. Adjustments made to gas drainage plans, “try other things”. Plans ended up ad hoc, day-to-day management of hazards. There was a Plan ???
- Listen to the lone voice (there was one person questioning what they were doing)
- Look at the warning signs of failure (critical controls, repeat events)

Shift of focus in QLD Mines/Quarries

- **Brady Report on QLD Mining Fatalities 2020**
- **Focus on fatal hazards and critical controls**
- **Focus on High Reliability Organisations**
- **Promoting Chronic Unease**
- **Simplifying incident reporting and sharing of learnings**



Is there anything you would like to share from your 2021 experience?

We lost a champion in Feb 2022

Kristy Christensen

MinEx Board Member

- 'A Day in HER Life' assessing your workplace for how it can better include and consider the female workplace experience.



“Inclusion is about belonging and belonging to me is built not in grand gestures, but in ALL the small moments every day where we care about what's important to women at work. PPE that fits, facilities, job design - THIS SHIT MATTERS!”

Kristy Christensen 2022





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