

A large-scale photograph of a quarry site. In the foreground, a massive pile of reddish-brown aggregate material dominates the left side. To the right, a yellow tracked excavator is positioned near a large yellow dump truck. Two workers in orange safety gear and hard hats are standing on a dirt path in the lower center. The background features a steep, grey rock face.

# Quarry Conference 2021

**Paul Hunt**  
Chief Inspector Extractives

Wellington 14, 15, 16 July 2

**WORKSAFE**

Mahi Haumaru Aotearoa

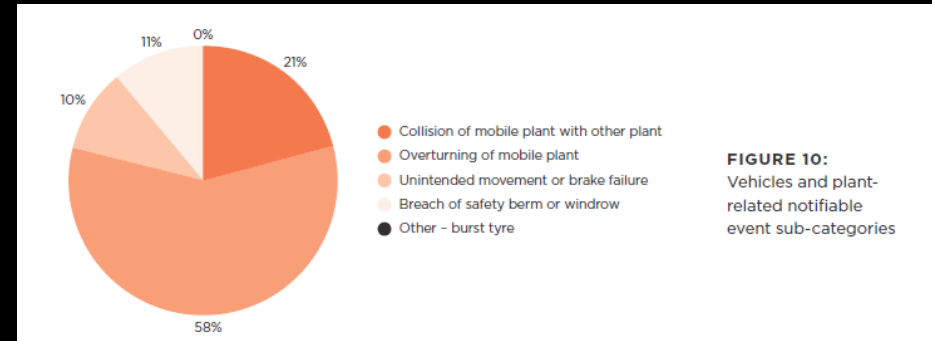
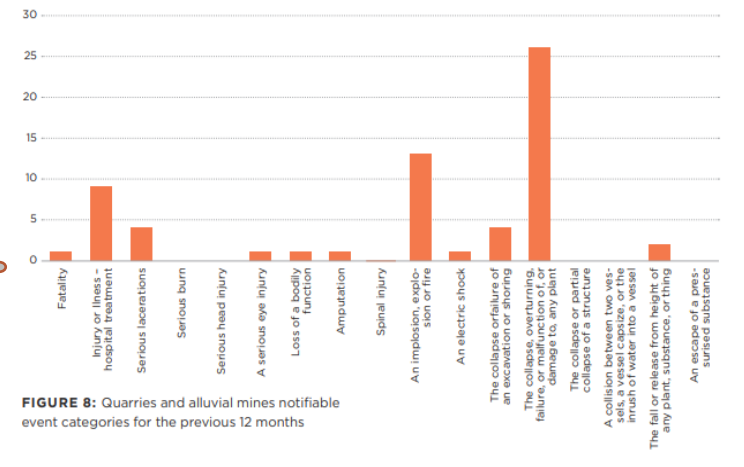
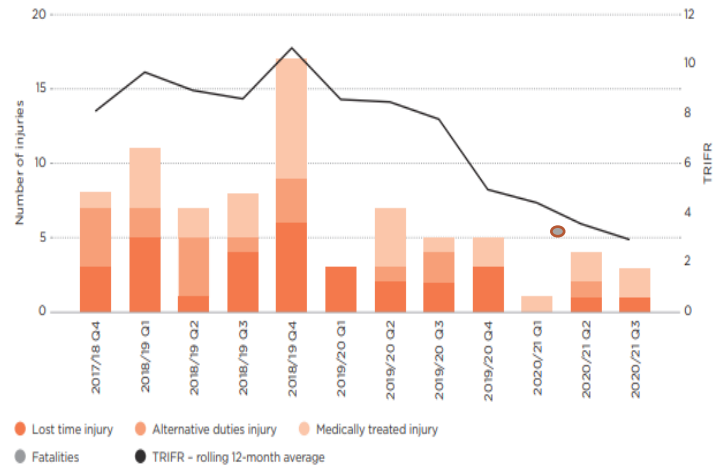




## Presentation Topics

- General two-year review + HPI's
- Regulation Review
- Odds and Ends, including
  - CoC and BoE 2021
  - Industry Observations

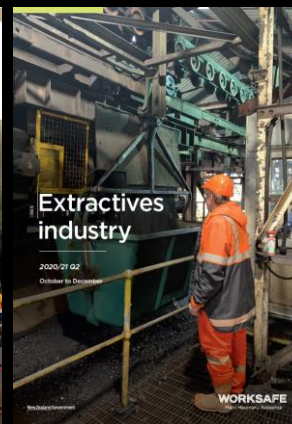
# Two Year Review



- Data Gathering
- Convert to Intelligence
  - Accurate regular industry statistics
  - Focus Areas
- Quarry verification
- Establish Quarterly report
- High potential Incidents HPI's.



# Extractives Quarterly Report



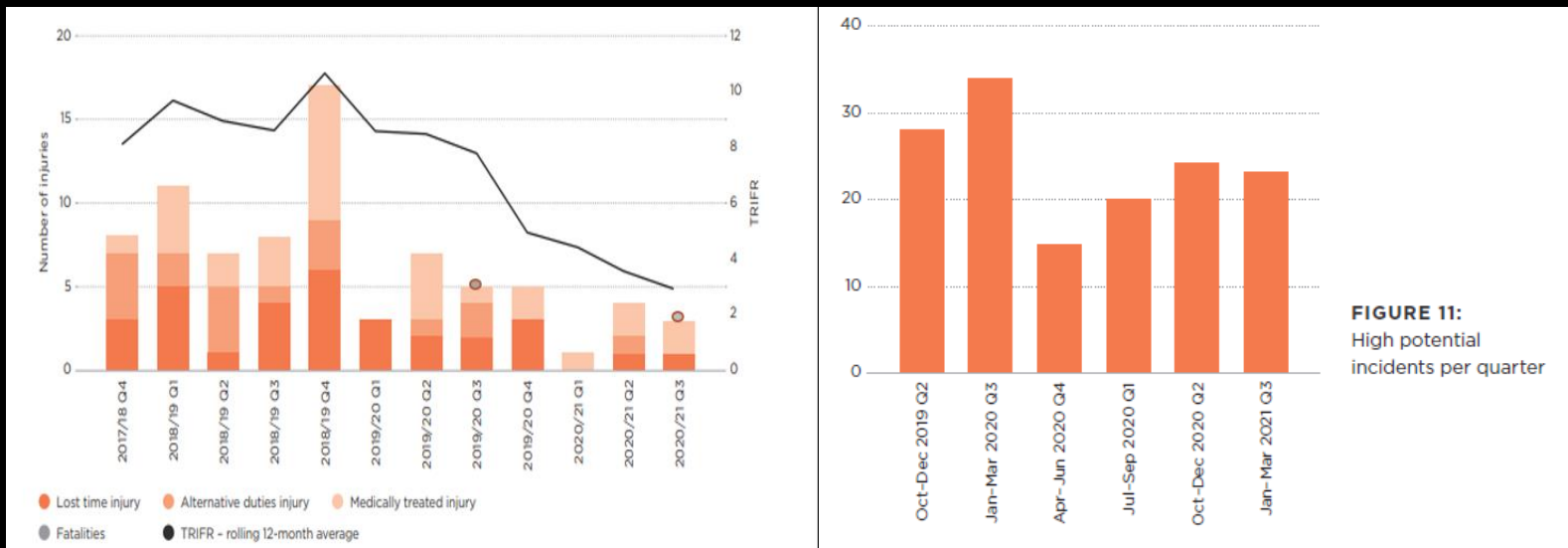
# High Potential Incident

“HPI”



“A high potential incident at a mine, quarry or tunnel is an event, or a serious of events, that causes or has the potential to cause a significant adverse effect on the health and safety of a person”

We will use HPI frequency as an Industry Measure





## Health and Safety at Work (Mining Operations and Quarrying Operations) Regulations 2016 (LI 2016/17)

Jerry Mateparae, Governor-General

### Order in Council

At Wellington this 15th day of February 2016

Present:

His Excellency the Governor-General in Council

These regulations are made under sections 23(1)(e), 24(1)(m), 211, and 218 and clause 5 of Schedule 3 of the Health and Safety at Work Act 2015—

- (a) on the advice and with the consent of the Executive Council; and
- (b) on the recommendation of the Minister for Workplace Relations and Safety made after complying with sections 217 and 219 of that Act.

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## IMPLEMENTATION REVIEW OF THE *HEALTH AND SAFETY AT WORK (MINING OPERATIONS AND QUARRYING OPERATIONS) REGULATIONS 2016*

DISCUSSION DOCUMENT FOR CONSULTATION WITH INDUSTRY, WORKERS  
AND REPRESENTATIVE ORGANISATIONS IN THE MINING, TUNNELLING AND  
QUARRYING SECTORS

30 JUNE 2018



MINISTRY OF BUSINESS,  
INNOVATION & EMPLOYMENT  
HĪKINA WHAKATUTUKI



## COVERSHEET

Minister	Hon Iain Lees-Galloway	Portfolio	Workplace Relations and Safety
Title of Cabinet paper	Health and safety in mines and quarries – proposed regulatory changes	Date to be published	10 February 2020

### List of documents that have been proactively released

Date	Title	Author
4/12/2019	Cabinet Economic Development Committee Minute of Decision: DEV-19-MIN-0322	Cabinet Office
4/12/2019	Health and safety in mines and quarries – proposed regulatory changes	Office of the Minister for Workplace Relations and Safety

### Information redacted

NO

Any information redacted in this document is redacted in accordance with MBIE's policy on Proactive Release and is labelled with the reason for redaction. This may include information that would be redacted if this information was requested under Official Information Act 1982. Where this is the case, the reasons for withholding information are listed below. Where information has been withheld, no public interest has been identified that would outweigh the reasons for withholding it.

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# Regulation Implementation Review

- Review announced and commenced 2018
- Review scope included the consideration of whether Quarries needed further hazard management requirements in the regulations
- Concluded with Cabinet Decision Dec 2019
- Proposed regulatory changes cabinet committee decision posted Feb 20



# General Quarry Provisions

- All Quarries now in the regulations
- All quarries written H&S system
- Quarries now A and B grade Quarries
- A Grade Quarries will be in the Principal Hazard Regime





# Regulations – Should be Proportionate

- Principal Hazard definition likely to change currently “.....multiple fatalities in a single accident or series of recurring accidents” was misinterpreted
- And an overall intent is to achieve better proportionality in the regulations
  - The changes will be relevant to all Quarries and Small Mines
    - U/G vs Surface
    - Coal vs. Other
    - Large vs Small
    - Principal Hazards vs Fatal hazards



# Other Quarry provisions

- No SSE for Quarries
- Creation of Alluvial CoC
- A And B Grade CoC to change - Explosives an endorsement, not a proxy for risk
  - So now A, B, Alluvial and Site Specific + Explosives. But will use 4 plus Manager
- Sched 5 Notification. Quarterly reporting
- No Electrical or mechanical Superintendents for Surface
- A and B Grade quarries –New description



# New Regulations Transition Period

- Introduction of the regulations ?
- But
- Allowance of time to gain CoCs
- To develop PHMPs and PCPs
- Time for adjustments to CoC requirements
- To develop PHMPs, and PCPs, H&S system

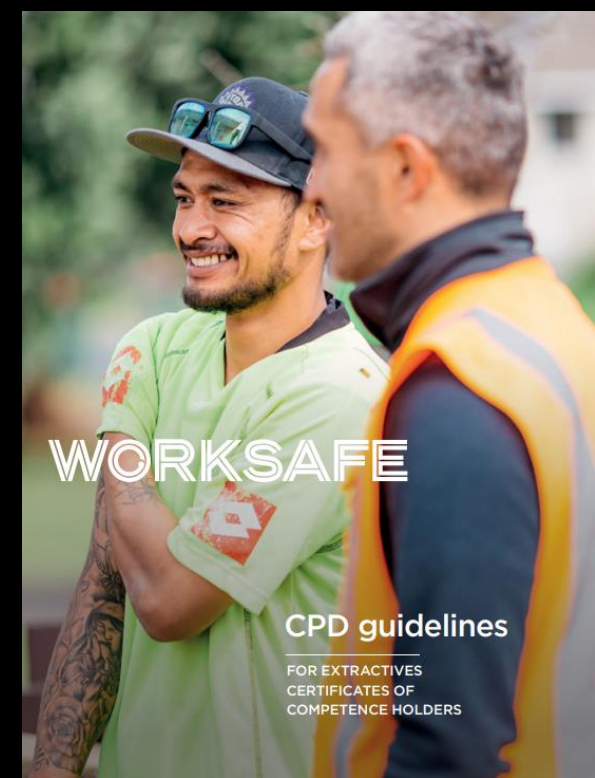
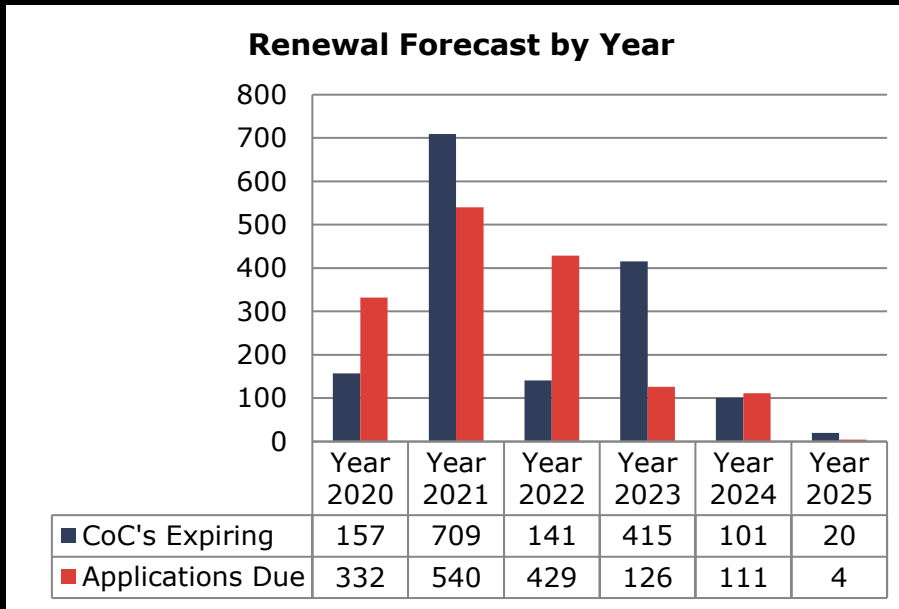




# New Regulations - New regulatory Approach

- Inherent in the expectation that Quarries are in the regulations that practice should change – WorkSafe Inspectors will need to adapt as well
- Risk Based, Proportionate
- Use a variety of Inspection tools
  - Regulatory Compliance
  - Targeted Assessment
  - General Inspections
- Deeper dive – Management plans





## BoE and CoC Issues

- Renewal delays
- Peak of renewals this year
  - Numbers
  - Quality
  - Lack of information
  - Not practical to use people without knowledge



# CPD Log Books

- CPD Log-books
- Incomplete information for application
- No or insufficient evidence for activity
- Poorly presented.
- Good log-books will now be processed as a priority
- Please use new book!

**WORKSAFE**  
Mahi Hauamaru Aotearoa

**Extractives continuing professional development (CPD)**

This logbook is for holders of a New Zealand Extractives Certificate of Competence (CoC). It is important to read the guidance at the back of this logbook before starting to record any CPD activities. More detailed information is available in the CPD Guidelines booklet and can be useful when recording CPD. For questions about the CPD Logbook or the requirements please refer to the CPD Guidelines for more detail or contact: [CoC\\_Secretariat@worksafe.govt.nz](mailto:CoC_Secretariat@worksafe.govt.nz)

Name: \_\_\_\_\_ Mobile phone: \_\_\_\_\_ Email: \_\_\_\_\_

CoC held: (most senior) \_\_\_\_\_ Expiry date: / / \_\_\_\_\_

**CPD entry number:** Allocate a CPD entry number for this activity

DATE	ACTIVITY AND PROVIDER	UNRESTRICTED/ RESTRICTED	AREAS OF LEARNING	HOURS	SPECIALIST HOURS	EVIDENCE
/ /	Refer to the list of activities on pages 4-5	Unrestricted Restricted	<input type="checkbox"/> Operating and safety systems <input type="checkbox"/> Emergency management <input type="checkbox"/> Legislation <input type="checkbox"/> Leadership		<input type="checkbox"/> Yes <input type="checkbox"/> No	Describe evidence provided, remember to note CPD entry number on evidence (refer to page 5)

**KEY LEARNINGS**  
Refer to the guidance in the back of this logbook to assist in writing the key learnings

30-000026

LOGBOOK

# BoE Update

- Pass Rates
- Total numbers in Circulation
- Appointed Managers
- New Exam dates – Set dates
- Commencing Prosecutions of those failing to comply with notice to appoint CoC holder

COC TYPE	TOTAL NUMBER OF COCS ISSUED (2015 TO JUNE 30 <sup>TH</sup> 2020)	TOTAL NUMBER OF CURRENT COCS (31 MARCH 2021)	CHANGE IN NUMBER OF CURRENT COCS JULY 1 <sup>ST</sup> 2020 TO MAR2021
A Grade Quarry Manager	315	273	-42
B Grade Quarry Manager	482	436	-46
A Grade Opencast Coal Mine Manager	71	62	-9
B Grade Opencast Coal Mine Manager	64	65	1
A Grade Tunnel Manager	32	37	5
B Grade Tunnel Manager	74	60	-14
Site Senior Executive	62	59	-3
First Class Coal Mine Manager	21	13	-8
First Class Mine Manager	31	21	-10
Coal Mine Deputy	44	34	-10
Coal Mine Underviewer	35	24	-11
Mechanical Superintendent	25	26	1
Electrical Superintendent	17	15	-2
Ventilation Officer	3	4	1
Mine Surveyor	13	11	-2
Site Specific	1	2	1
Winding Engine Driver	3	1	-2
Total	1293	1143	-150



# Industry Comments

- Fatality at Hari Hari  
Acknowledgements to family and friends
- Still seeing basics not complied with on some sites
- Guards Windrows etc.
- Managers not realizing their responsibilities – not outing into practice their knowledge – RA and Investigation skills etc.
- Commencing to prosecute non CoC holders





# Industry Comments

- But recently inspected some very good sites and seen good initiatives
- Empowered Managers
- Good Culture
- Intend to also investigate these as to how they have succeeded





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# Any Questions ?

**Tōia mai e te ao mārama  
te ara whakakotahi  
te ara ka haumarū.  
I a mātou i te mahi  
Tiakina mai  
kia hoki hauora ki te kainga,  
kia kōrero mai  
mō te haumarū o te tāngata  
Haumi e, hui e, taiki e.**

*The world of light brings forth  
a pathway of togetherness  
a pathway that keeps us safe.  
While we are at work  
take care of us  
that we may return home safe and well,  
that we may ensure  
the safety of the people.  
Let it be affirmed, it is so.*



Getting you home healthy and safe.  
That's what we're working for.

**WORKSAFE**  
Mahi Haumaru Aotearoa