



Extractive Industry Health & Safety Forums

Ashburton 6 October 2015

Speakers:

- MinEx
- WorkSafe
- Tai Poutini
- Mines Rescue
- EPMU



Representing New Zealand civil and general contracting industry



Purpose

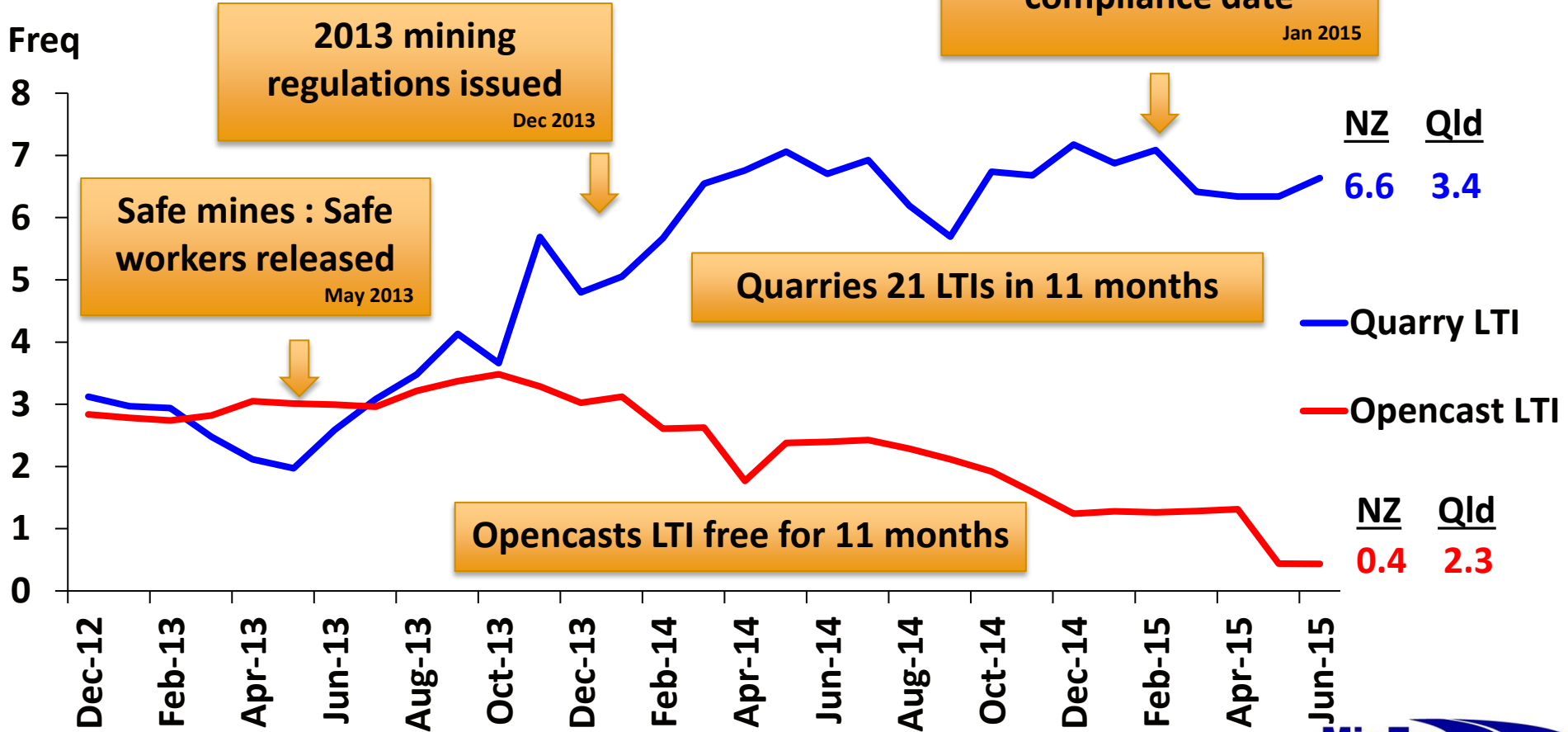
- » Engagement with smaller operators
- » Joint MinEx and WorkSafe initiative:
 - More regulation/regulators will not fix the quarry H&S problem
 - Need to work with WorkSafe
- » As far as the public is concerned our industry is only as safe as the operation they last saw in the media & generally these are not good-news stories

Driver for these forums

- » Year to date quarry sector has had 4 fatalities
 - Entanglement in a small limestone quarry near Waimate
 - ADT roll-over in a small quarry near Tauranga
 - Highwall failure in a limestone quarry near Hawarden
 - Drowning in an alluvial quarry near Brightwater
- » All at small sites not engaged with industry organisations
- » and,
- » Quarry sector injury rate performance is the other driver

Industry injury rate performance

LTI rolling 12 month frequency rate (per 1M hrs)



MinEx – who are we?

- MinEx is the mining and quarry industry health & safety council:
 - Formed 2006 & restructured & refunded in 2013 to provide industry input into the mining legislative reforms
- Partners & board members:
 - Straterra
 - AQA
 - Civil Contractors NZ
 - EPMU
 - IOQ NZ Branch
 - AusIMM NZ Branch

MinEx - what do we do?

- » Our current focus is on industry H&S improvement:
 - Working with WorkSafe on approved codes & guidelines
 - Promotion of the need to improve health & safety in our industry
 - Provision of safety alerts and bench-marking statistics on health & safety
- » Industry input into ongoing legislation changes
- » Current issues:
 - Improvement in mine & quarry training regime
 - Quarry risk based H&S management system template

What have we done since 2013?

- Industry input into the development of the 2013 mining regulations
- Industry input into codes of practice:
- Industry input into guidance for all opencast mines and quarries
- CEO appointed to the Extractive Industry Advisory Group
- CEO appointed as chairperson of the Governance Group & Surface Working Group of the Extractives Industry qualifications review

What have we done since 2013?

- Worked with MITO & WorkSafe to ensure training is fit for purpose
- Chair of MinEx this year appointed to MITO board
- Provided input into the development of amended CoCs and the Board of Examiners process
- Submitted on the proposed workplace exposure standards on diesel particulates & silica
- Submitted on the various regulations associated with the proposed Health & Safety in the Workplace bill
- Ongoing work with WorkSafe, MITO and training providers to ensure we have sufficient training capacity and quality trainers for the new competencies required by January 2016

Proposed code programme for 2015/16

- Opencast mines, quarries & alluvial mines guidelines
- Inundation & inrush
- Surveying
- Air quality
- Worker health
- Management & administration
- Worker participation
- Emergency Response

New Competencies

Unit	Description	Grade
16686	Conduct an incident investigation at an extraction site	A
26856	Carry out the risk management processes at an extractive site	A, B & Site
17279	Demonstrate knowledge of the coordinated incident management system(CIMS)	A
22445	Describe the roles and functions of a CIMS Incident Management Team	A
26855	Analyse human factors present in workplace practices to determine how they contribute to incidents at an extractive site	A

Opencast mine, quarries & alluvial mines good practice guideline

- Supports the 2013 mining regulations – advises you how you can comply
- Scope: opencast mines, quarries, alluvial mines = consistency
- MinEx review team & WorkSafe resolved minor issues – expect final document late Oct to early Nov
- This will be an excellent resource for education, training & compliance

Definition of a quarry

19N Meaning of quarrying operation

(1) In this Act, *quarrying operation*—

(a) means an activity carried out above ground for the purpose of—

(i) extracting any material, other than any coal or any mineral, from the earth; or

(ii) processing any material, other than any coal or any mineral, at the place where the material is extracted; and

(b) includes the place where an activity described in paragraph (a) is carried out; and

(c) includes any place in which any material extracted or processed in a quarry is crushed or screened.

(2) Subsection (1) applies whether or not the material is to be extracted or processed for commercial gain and whether or not the material is extracted or processed by the use of explosives.

What is a quarry? (from good practice guideline)

- All the surface extraction workings;
- Associated tips (or dumps) near the site;
- Associated working stockpiles near the site;
- Associated settling ponds near the site;
- Areas used for processing where this is carried out on site;
- Areas used for processing off-site;
- Buildings and structures at the quarry;
- Common areas; and,
- Quarries in a forest, on a farm or on Crown or public land (river beds) regardless of whether the extraction is of an intermittent nature or not.

What is not a quarry?

- Construction earthworks unless associated with the quarry;
- Secondary processing unless the extracted material is crushed and screened at the secondary site;
- Recycling aggregate plants;
- Stockpiles at dormant quarries and dormant river gravel sites;
- Small scale, non-complex extraction on farmland in support of farming (ie no tips, highwalls, explosives or processing);
- Small scale, non-complex extraction in forests in support of forestry operations (ie no tips, highwalls, explosives or processing); and
- Non-complex extraction of gravel from river beds where there is no mechanical processing.

What if my operation is a quarry?

- You are subject to the *Health and Safety in Employment Mining Operations and Quarrying Operations Regulations 2013*
- You need a Certificate of Competency (B grade if <5 workers)
- Follow relevant approved codes of practice and good practice guidelines
- The most important of these is the *Opencast mine, quarries & alluvial mines guidance*