

Target Zero

Achievable or Aspirational



Jim Holmes
18th of October 2016



Inspector
Mines and Quarries Policy





Where are we at the Moment?



In 2015 the Extractive Industry had the highest rate of enforcement action of any industrial Sector in the Republic of Ireland

- 224 Mines and Quarries Inspections
- 31 Prohibition Notices and 16 Improvement Notices
- 2 Fatalities

Where are we at the Moment?



What is a Safety Culture

- **Safety culture** refers to the ways that **safety** issues are addressed in a workplace. It often reflects "the attitudes, beliefs, perceptions and values that employees **share** in relation to **safety**." In other words, "the way we do **safety** around here."
- Safety is a value not a target' –This is because targets can change but a value becomes part of what is expected as the norm
- A safety culture can be difficult to measure. How do you measure values, attitudes and beliefs?



Statutory Compliance

Section 8 of the SHWW Act 2005 (Section 4 of Health and Safety at Work (Northern Ireland) Order 1978)



- **Do you ensure the safety, health and welfare at work of workers?**

It doesn't say you have to try to – it says you shall ensure – are you ensuring?

- **Do you manage and conduct work activities so as to ensure the safety, health and welfare at work workers**

How are you managing your work activities?

Do you prepare method statements/safe operating procedures?

Do you have adequate supervision?

Do you monitor how work activities are carried out – do your procedures match what actually happens

Statutory Compliance

- Do you prevent any improper conduct or behaviour likely to put the safety, and of workers at risk;

Do you enforce speed limits?

Do you insist on seat belts being worn?

Do you enforce the wearing of appropriate PPE?

Do you insist guards are replaced after maintenance?



Statutory Compliance

- **Do you ensure that the place of work is designed and maintained in a condition that is safe and without risk to health?**

Do you have traffic management in place –One way systems where possible-
minimise reversing?

Are haul roads wide enough/have edge protection where necessary/gradients are not
excessive/free from pot holes

Are people and vehicles kept apart?

Are you storing chemicals safely and is appropriate PPE available/used

Do you have fragile roofs and how do we ensure people are not climbing onto them

Statutory Compliance

- Do you ensure the plant and machinery or any other articles are designed and maintained so that are safe and without risk to health;

Is lifting equipment in good order and has a certificate of thorough examination?

Are electrics in order and checked periodically?

Are vehicles suitable for the use they are put to in the quarry – Can the excavator work safely at the face?

Do vehicles have suitable visibility aids?

Are vehicles periodically brake tested?

Are crushers, screeners, sizers, conveyors suitably protected, do we have maintenance and isolation procedures, can we clear blockages safely?

Are tyres being checked for wear and damage and are they being inflated safely

Statutory Compliance

- Do you protect your workers from noise, dust, whole body vibration

How do you control dust?

Do we know if there is silica in the dust?

What do we do to reduce dust becoming airborne?

Do we explain the issue to workers or do we just provide dust masks?

Do we have procedures that are followed for cleaning crusher cabins or vehicle cabs to prevent recirculation of dust?

Do we deal with noise or do we just put signs up and pass out hearing protection?



Statutory Compliance

- Do you have systems of work that are planned, organised, performed, maintained and revised that are safe and without risk to health

Do you have blasting procedures that are followed and are people working at the quarry face adequately protected from falling?

Is the driller working safely - how do you know?

Do you have safe procedures for working at lagoons such as pump maintenance?

How are you ensuring lone workers are safe – are procedures adequate?

Statutory Compliance

- **Do you provide the information, instruction, training and supervision necessary to ensure the safety, health, and welfare at work of workers?**

Are supervisors trained and competent – do they consider safety or are they production focused?

Are vehicle operators trained and competent?

Is the Shotfirer and Explosives Supervisor trained and competent and have you appointed them?

Do you induct your employees and contractors?

How do you select your contractors/do they know the site rules/how do you supervise them?

What records do you keep of training?

Statutory Compliance

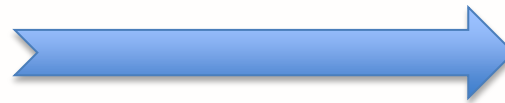
- Do you prepare risk assessments for your activities and do you put in place control measures to reduce the risks?

Do you ensure workers know the risks and why the control measures are in place?

Do the control measures work or are workers by-passing them?

Are contractors working to the same standards – Are you sure?

Do you review your risk assessments and implement changes as necessary?



How do we Develop a Safety Culture?

1. Show Health and Safety is a value you look for
2. Start at the top
3. Change of Ethos
4. Managers and Directors must be ambassadors
5. Include Health and Safety in every meeting at every level



Financial Commitment

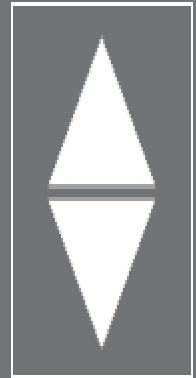
1. Plant and equipment and capital project purchases
2. Safety Wins Every Time
3. Show financial investment

Safety

Safety is first and foremost to our strategy. It always has been and it always will be

1. We will relentlessly pursue zero accidents by embedding Safety First & Foremost in all that we do

2 We will be a leader in health & safety in our sector.



Worker Buy in

1. Value your workers
2. Safety Reps
3. Consultation
4. Encourage Inclusion
5. Empower Workers



Selecting Contractors

1. Don't appoint Contractors solely on price
2. Do they buy into your ethos
3. Do they have the resources to match your standards
4. Ensure you engage with them and Vice-Versa
5. Contract must have health and safety values clearly stated



No Sweeping Safety Under the Rug

1. Don't incentivise Safety
2. Encourage the reporting of accidents, incidents and near misses



Other Steps to Develop the Culture

1. Be inclusive with neighbours
2. Externally audit progress
3. Look after your workers health

CLIFTON QUARRY HAS BEEN
OPERATIONAL FOR OVER



CLIFTON EMPLOYS
7 PEOPLE AND
SUPPORTS A
FURTHER 10 JOBS



Two Key Statements

- ‘No Job is worth doing if it can’t be done safely’
- ‘No worker should be harmed at the workplace’

If you are have reached this stage then both feet are on the ladder but there is still some climbing to do

Thank you

