

New Zealand Extractive Industries Mining, Coal Mining, Quarrying and Tunneling ~ Serious Harm Accident Summary 2003 Information from poster

Definitions

- Serious Harm means death or
 1. Any of the following conditions that amounts to or results in permanent loss of bodily function, or temporary severe loss of bodily function: respiratory disease, noise-induced hearing loss, neurological disease, cancer, dermatological disease, illness caused by exposure to infected material, decompression sickness, poisoning, vision impairment, chemical or hot metal burn of eye, penetrating wound of eye, bone fracture, laceration, crushing.
 2. Amputation of body part.
 3. Burns requiring referral to a specialist registered medical practitioner or specialist outpatient clinic.
 4. Loss of consciousness from lack of oxygen.
 5. Lack of consciousness, or acute illness requiring treatment by a registered medical practitioner, from absorption, inhalation, or ingestion, of any substance.
 6. Any harm that causes the person harmed to be hospitalised for a period of 48 hours or more within 7 days of the harm's occurrence.
- SHIFR means Serious Harm Injury Frequency Rate, which is the number of serious harm injuries per millions of hours worked.

TABLE 1: CLASSIFICATION BY SOURCE - ALL SURFACE MINES AND QUARRIES

| | |
|-----------------------------|----|
| Struck by falling object | 3 |
| Struck by moving object | 4 |
| Struck by stationary object | 2 |
| Slipping/falling | 2 |
| Falling from height | 0 |
| Handling materials | 0 |
| Body stressing | 2 |
| Exposure to fumes/dust | 0 |
| Submersion in water | 0 |
| Exposure to heat | 1 |
| Exposure to sound | 0 |
| Caught in machinery | 8 |
| Total | 22 |

TABLE 2: CLASSIFICATION BY SOURCE - ALL MINES, COAL MINES, QUARRIES AND TUNNELS

| | |
|-----------------------------|----|
| Struck by falling object | 4 |
| Struck by moving object | 5 |
| Struck by stationary object | 2 |
| Slipping/falling | 3 |
| Falling from height | 0 |
| Handling materials | 0 |
| Body stressing | 2 |
| Exposure to fumes/dust | 1 |
| Submersion in water | 0 |
| Exposure to heat | 1 |
| Exposure to sound | 0 |
| Caught in machinery | 11 |
| Total | 29 |

TABLE 3: ALL SURFACE MINES AND QUARRIES - CLASSIFICATION BY BODY PART

| | |
|-------------|----|
| A Head: | 2 |
| B Eye: | 0 |
| C Body: | 0 |
| D Back: | 0 |
| E Leg: | 1 |
| F Foot: | 2 |
| G Hand: | 6 |
| H Arm: | 5 |
| I Internal: | 1 |
| J Multiple: | 4 |
| K Senses: | 1 |
| Total: | 22 |

TABLE 4: ALL MINES, COAL MINES, QUARRIES AND TUNNELS - CLASSIFICATION BY BODY PART

| | |
|-------------|----|
| A Head: | 2 |
| B Eye: | 0 |
| C Body: | 1 |
| D Back: | 0 |
| E Leg: | 3 |
| F Foot: | 2 |
| G Hand: | 8 |
| H Arm: | 6 |
| I Internal: | 1 |
| J Multiple: | 4 |
| K Senses: | 2 |
| Total: | 29 |

(Table 5 next page)

TABLE 6: ALL SURFACE MINES AND QUARRIES

| | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|----------------|------|------|------|------|------|------|------|------|
| No. Persons | 3303 | 3108 | 3103 | 3215 | 3215 | 3156 | 3086 | 2984 |
| No. | 22 | 19 | 15 | 28 | 13 | 21 | 19 | 22 |
| Frequency Rate | 2.66 | 2.45 | 1.93 | 3.48 | 1.62 | 2.66 | 2.46 | 2.95 |
| Incidence Rate | 0.67 | 0.61 | 0.48 | 0.87 | 0.40 | 0.67 | 0.62 | 0.74 |

TABLE 7: ALL MINES, COAL MINES, QUARRIES & TUNNELS

| | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|----------------|------|------|------|------|------|------|------|------|
| No. Persons | 4171 | 4179 | 4179 | 3861 | 3930 | 3610 | 3389 | 3316 |
| No. | 35 | 32 | 34 | 44 | 25 | 33 | 26 | 29 |
| Frequency Rate | 3.36 | 3.06 | 3.25 | 4.56 | 2.54 | 3.66 | 3.07 | 3.50 |
| Incidence Rate | 0.84 | 0.77 | 0.81 | 1.14 | 0.64 | 0.91 | 0.77 | 0.87 |

TABLE 5: ALL MINES, COAL MINES, QUARRIES & TUNNELS - MAJOR SERIOUS HARM

| DATE | OPERATION | INJURY | COMMENT | No | SOURCE* | BODY PART* |
|----------------|--|--------------------------|---|----|---------|------------|
| 7th January | Henry Walker Eltin Rotowara OCCS | Broken bones in foot | Foot caught in HIAB unit stabilising ram | 1 | L | F |
| 22nd February | Henry Walker Eltin Stockton OCCS | Fractured arm | Arm trapped by falling engine belly plate | 1 | A | H |
| 26th February | Adcock and Donaldson Raine Quarry | Amputation of fingers | Caught hand between handrail and striker plane on mobile screen | 1 | L | G |
| 22nd April | Fulton Hogan Reliable Way Quarry, Auckland | Fatal, Multiple injuries | Caught under feed chute on conveyor while clearing blockage | 1 | L | J |
| 7th May | Winstone Aggregates Quarry, New Plymouth | Fractured wrist | Caught arm in steering wheel of front end loader | 1 | L | H |
| 19th June | Karamuramu Island Quarry | Broken bones in foot | Loader bucket dropped on foot | 1 | A | F |
| 14th August | Higgins Aggregates Ltd, Palmerston North | Fatal, Multiple injuries | Fell into primary crusher feed bin | 1 | D | J |
| 10th September | Winstone Aggregates Hunua Quarry | Multiple injuries | Dump truck flipped over backwards on tip | 1 | L | J |