

New Zealand Extractive Industries Mining, Coal Mining, Quarrying and Tunneling ~ Serious Harm Accident Summary 2001 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	8
Struck by moving object	3
Struck by stationary object	0
Slipping/falling	3
Falling from height	1
Handling materials	0
Body stressing	1
Exposure to fumes/dust	0
Submersion in water	0
Exposure to heat	2
Exposure to sound	0
Caught in machinery	3
Total	21

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

Struck by falling object	12
Struck by moving object	5
Struck by stationary object	1
Slipping/falling	5
Falling from height	2
Handling materials	1
Body stressing	2
Exposure to fumes/dust	0
Submersion in water	0
Exposure to heat	2
Exposure to sound	0
Caught in machinery	3
Total	33

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

A Head:	5
B Eye:	1
C Body:	0
D Back:	1
E Leg:	2
F Foot:	3
G Hand:	7
H Arm:	1
I Internal:	0
J Mutiple:	1
K Senses:	0
Total:	21

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

A Head:	7
B Eye:	1
C Body:	0
D Back:	2
E Leg:	3
F Foot:	6
G Hand:	10
H Arm:	2
I Internal:	0
J Mutiple:	2
K Senses:	0
Total:	33

(Table 5 next page - no table 6)

TABLE 7: ALL SURFACE MINES AND QUARRIES

	1996	1997	1998	1999	2000	2001
No. Persons	3303	3108	3103	3215	3215	3156
No.	22	19	15	28	13	21
Frequency Rate	2.66	2.45	1.93	3.48	1.62	2.66
Incidence Rate	0.67	0.61	0.48	0.87	0.40	0.67

TABLE 8: ALL MINES, COAL MINES, QUARRIES & TUNNELS

	1996	1997	1998	1999	2000	2001
No. Persons	4171	4179	4179	3861	3930	3610 (est)
No.	35	32	34	44	25	33
Frequency Rate	3.36	3.06	3.25	4.56	2.54	3.66
Incidence Rate	0.84	0.77	0.81	1.14	0.64	0.91

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

DATE	OPERATION	INJURY	COMMENT	No	SOURCE*	BODY PART*
5th February	Firth Industries Hinuera Stone	Head Injury	While clearing bench with front end loader sustained injury when loader went over the edge of quarry face	1	E	A
6th March	Martha Mine Tailings Disposal	Serious burns to right hand	During a routine check of electric motor cells a short circuit was created, causing serious burns to the right hand	1	J	G
27th March	L & M Mining	Head Injuries	Chain slipped off attachment while towing	1	A	A
31st March	Francis Mining Ltd	Fractured bones in face and eyesocket	Lump of stone fell from roof of drive, hitting victim on the head	1	A	A
1st May	Strongman No 2 Coal Mine access road	Multiple injuries	Lost control of FEL when the engine cut out: the injured jumped or was thrown out	1	C	J
30th August	McKay Earthmoving, 41 666	FATAL head injuries	Dump truck backed over tip head	1	B	A
5th September	Milburn Lime Ltd	FATAL multiple injuries	Head on crash with large quarry truck	1	B	J
19th October	Fletcher Dillingham ILBAU	Compressed verterbrae fracture to spine	Shotcrete fell from roof of tunnel, hit victim on the head	1	A	D
14th November	Webster Hydrated Lime	Broken arm	Arm trapped in conveyor taildrum	1	L	H