MDG 9 - Fatal Incidents on Shuttle Cars

Incident	Agent of	Events	Recommendations
Information	Fatality	Events	Recommendations
Coal and	Patanty		
Underground			
9/04/2007	Other	The crew miner driver was crushed	
Australia	Other	between a shuttle car and the rib.	
Queensland		serveen a shacife car and the ne.	
Coal			
Underground			
30/10/2006	Unintended	Operator was crushed between shuttle	Proper maintenance of shuttle cars
United States	Operation of	car and a coal rib. He was trying to fix	will be performed daily, remove
Coal Underground	Equipment	a stuck brake without de-energizing the car or applying the brakes.	immediately equipment known to be faulty, cars must be de-energized
Chacigioana		the car of applying the brakes.	before maintenance takes place.
20/04/2006	Fall of	Operator was travelling when a large	Change in the roof control plan and
<b>United States</b>	Roof/Sides/Highwall	section of rock fell and pinned him	training to follow this correctly.
Coal		against the mine floor.	Examiners also received more
Underground			training as did workers in hazard
10/06/2005	Other	Chattle con was maning with the	identification.
United States	Ouici	Shuttle car was running with the drivers attention diverted to another	Audible warnings on shuttle cars to alert workers, starting a policy
Coal		side, man was run over and only	regarding being around moving
Underground		discovered when cables were not	equipment.
		running well.	
21/12/2004	Uncontrolled	During installation of wheel and tyre,	Mine changed from use of air filled
United States	Release of Energy	lock ring and flange separated and	tyres to foam filled tyres to prevent a
Coal		struck the victim	re-occurrence.
Underground 19/07/2003	Electrocution	An exposed trailing cable on one of	All of the cables in immediate area
United States	Licenocution	the five shuttle cars caused water in	should have been de-energized and
Coal		the area to become energized and	locked/tagged out, cables should be
Underground		when they came into contact with	better protected from wear and not
		victim he was electrocuted.	lying in any water.
23/05/2002	Electrocution	While trying to remove a short circuit	Never short circuit a trailing cable to
United States		from trailing cable of a shuttle car,	remove a grounded phase.
Coal Underground		there was an explosion which severely burned the victim.	
14/08/2000	Contact with	A machine operator was fatally	Before moving equipment, miners
United States	Moving or Rotating	injured helping move a shuttle car to	should make a visual check and
Coal	Plant	dump point. Victim was walking	sound audible alarm. All persons
Underground	(Guarding/Access to	along side shuttle car when it became	helping operators move mobile
	Danger Zone)	stuck against the roof. Operator lost	equipment be positioned a safe
		sight of victim and as shuttle car broke	distance from equipment while it is in
10/04/2000	Other	loose it crushed victim against rib.  A shuttle car operator received fatal	motion.  Dump points be located with
United States	Guici	injuries when he was crushed between	sufficient clearance between rib and
Coal		operator's cab of a shuttle car and rib.	operators cabin to allow equipment
Underground		Feeder location permitted shuttle cars	operator to safely enter and exit
		to be close to rib. As operator exited	equipment. Equipment operators be
		cab, another car hit his car while he	instructed to ensure they have
		was between rib and car	clearance when approaching dump
			points other equipment.

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24/08/1997	Contact with	During mining operations a fall of	
United States	Moving or Rotating	roof occurred and workers exited area.	
Coal	Plant	A shuttle car was accepting coal from	
Underground	(Guarding/Access to	a continuous miner. A continuous	
	Danger Zone)	miner operator and helper ran while	
		shuttle car was trammed out. Helper	
		tripped and was run over by shuttle	
		car.	
9/12/1996	Fall of	During a pillar recovery mining	
United States	Roof/Sides/Highwall	operation a shuttle car operator was	
Coal		seriously injured and later died from	
Underground		injuries. A fall of roof occurred when	
		the shuttle car was advanced inby roof	
		supports. Canopy was removed from	
1/11/1007	C + 121	car due to height restrictions.	
1/11/1996	Contact with	A continuous miner operator was	
United States	Moving or Rotating	fatally injured as he was run over by a	
Coal	Plant	shuttle car during a fall of roof. When	
Underground	(Guarding/Access to	mining a new pillar block a fall occurred and all workers in area ran	
	Danger Zone)		
		outby. Victim was last and when shuttle car was trammed out he was	
		run over	
29/10/1996	Fall of	A shuttle car operator was fatally	
United States	Roof/Sides/Highwall	injured by a fall of roof. Victim was	
Coal	Roof/Sides/Tilgilwaii	tramming shuttle car from dump to	
Underground		face when the fall occurred. Shuttle	
Chacigiouna		car canopy was removed due to height	
		restrictions. Two roof bolts were	
		earlier sheared off and not replaced.	
30/09/1996	Other	A shuttle car operator was tramming a	
United States		loaded shuttle car from a continuous	
Coal		miner to dump point when he stopped	
Underground		to move a cable. As he started again	
		he collided with another loaded shuttle	
		and the operator in first car was hit	
		and suffered fatal injuries.	
12/09/1995	Electrocution	A shuttle car operator was	Electrical equipment and cables
United States		electrocuted when exiting his machine	should have adequate insulation and
Coal		at a dump area. Investigators found	grounding facilities. Accident scenes
Underground		damaged power conductor and a	should not be altered and left in same
		grounded phase in the trailing cable.	situation until inspectors arrive.
		The 2 faults combined with wet	Electrical inspection should be done
		conditions resulted in a phase-phase	by competent persons.
22/00/1005	Other	voltage condition.	B. and a marine
23/08/1995	Other	A shuttle car operator was crushed	Regular maintenance of equipment
United States		between shuttle car and a scoop.	should be carried out including,
Coal		Shuttle car was returning from face	cables on shuttle cars. Work safe
Underground		with a load of coal, when it lost all	procedures should be developed for
		electrical power. Operator stopped to	mobile equipment in the mining area
		look at cable reel when a scoop struck	and personnel around this equipment.
		shuttle car crushing operator.	Hazard risk management should be implemented.
12/05/1995	Other	A shuttle car operator was fatally	implementa.
United States	Ouici	injured when he was struck by another	
Coal		shuttlecar. A loaded shuttlecar was	
Underground		coming out of a crosscut and hit the	
		shuttlecar returning to face broadside.	
		The deceased operator was pinned in	
		operator's deck.	
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1989	Other	As the shuttle car was taking coal	
Australia		from the miner to the Conveyor belt	
New South Wales		and when negotiating a turn the shuttle	
Coal		car lurched in one direction and	
Underground		crushed the deputy.	
1987	Other	Machine man suffered fatal injuries	
Australia		when caught between a shuttle car and	
New South Wales		the boom of a continuous miner.	
Coal			
Underground			
25/06/1985	Fall of	Fatally injured when a section of a	
Australia	Roof/Sides/Highwall	seven metre high rib fell on him	
Queensland		during the removal of bottoms coal in	
Coal		the 4 South Section of the mine whilst	
Underground		he was driving a shuttle car, partially	
		burying him.	
14/12/1983	Other	A shuttle car with an ineffective	
Australia		braking system rolled down an incline	
New South Wales		and pinned a man between the shuttle	
Coal		car and a continuous miner.	
Underground			
18/03/1981	Fall of	Was buried while operating the	
Australia	Roof/Sides/Highwall	tensioning device of a shuttle car by a	
New South Wales		roof fall in an area of high width.	
Coal			
Underground			
20/07/1980	Other	A man trespassing walked into the	
Australia		main drift and as struck by a dolly car	
New South Wales		on a return journey.	
Coal			
Underground			
1975	Fall of	Attempted to work under unsupported	
Australia	Roof/Sides/Highwall	roof following it being dislodged by a	
New South Wales		shuttle car. The area should have been	
Coal		tested and had temporary support set.	
Underground			
1975	Other	His head struck a wooden bar on the	
Australia		low clearance roof, which had been	
New South Wales		set in order to carry a water pipe and	
Coal		cable across the roadway.	
Underground			
19/03/1974	Other	Fatally injured when struck by a prop	
Australia		lying on the floor in the path of a	
Queensland		shuttle car.	
Coal			
Underground			
11/02/1974	Other	Fatally injured when a Torkar Shuttle	
Australia		Car moving down an incline ran over	
Queensland		him.	
Coal			
Underground			
1/01/1973	Other	Shuttle car driver received fatal	
Australia		injuries when crushed between shuttle	
New South Wales		car and the roof.	
Coal			
Underground			

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18/05/1971	Unintended	Fatally injured when a pawl jumping	
Australia	Operation of	out from a parking lock allowed a	
Queensland	Equipment	shuttle car to run back down the dip	
Coal		crushing Mr Lyon.	
Underground			
1971	Fall of	Buried by a fall of roof at an	
Australia	Roof/Sides/Highwall	intersection when he dislodged a	
<b>New South Wales</b>		support with a shuttle car he was	
Coal		driving	
Underground			
1971	Unintended	Was crushed by a diesel shuttle car,	
Australia	Operation of	while car was parked on grade with	
New South Wales	Equipment	engine running. Vibration and wear	
Coal	2quipinoni	caused the handbrake to work off and	
Underground		the car ran forward, trapping the	
Chacigiouna		workman.	
1971	Other	Died when run over by a shuttle car.	
Australia	Julio	Not determined why he wasn't clear of	
New South Wales		the car.	
		uie cai.	
Coal			
Underground	Other	Chartile and alexand an experience of	
1970	Other	Shuttle car slewed on a roadway and	
Australia		ran under the lip of a brushed section	
New South Wales		of roadway. Full width brushing	
Coal		would add additional height.	
Underground			
1967	Fall of	Trapped against a shuttle car by a fall	
Australia	Roof/Sides/Highwall	of rib coal which had occurred 25 feet	
New South Wales		back from the face. Neither side had	
Coal		been supported.	
Underground			
23/07/1966	Gas Ignition	Methane explosion from a shuttle car	
<b>United States</b>	Explosion	arc	
Coal			
Underground			
12/07/1966	Other	Drove the shuttle car with his back	
Australia		towards direction of travel, he was	
New South Wales		trapped between the shuttle car and an	
Coal		overhanging rib	
Underground			
3/07/1966	Other	Deceased workman had driven his	
Australia		shuttle car too close to the leg	
New South Wales		supporting a carrier bag bar at an	
Coal		intersection. The worker inadvertently	
Underground		hit the drive lever and was jammed	
2		between the shuttle car and the leg	
		support.	
9/11/1965	Fire	Timber was found between the disc	Change the site of the shunting
Australia	1110	brake and drive shaft of a shuttle car	station and improve the mines
New South Wales		which had heated and caused ignition.	ventilation plan.
Coal		Ventilation was inadequate in this	ventuation plan.
Underground		region.	
1965	Other	Was hit and run over by a fully laden	
Australia	Julia	shuttle car	
New South Wales		Shuttle Cal	
Coal			
Underground			

1962 Australia New South Wales Coal Underground 1960 Australia New South Wales Coal Underground	Electrocution  Uncontrolled Release of Energy  Other	Battery type shuttle car was being driven outby from underground charging station when the car struck and damaged a 415V cable and the driver was electrocuted.  Broken down caterpillar coal loading machine was being towed from a working place by 2 shuttle cars. One of the chains dragging this failed and swung violently sideways, striking a workman, killing him.  Being struck by a shuttle car	
Australia New South Wales Coal Underground 1956 Australia	Other	Struck by a prop knocked out by a shuttle car	
New South Wales Coal Underground 1955 Australia	Contact with Moving or Rotating	Becoming entangled in a brattice door while operating a shuttle car	
New South Wales Coal Underground Non-Coal	Plant (Guarding/Access to Danger Zone)	wific operating a shuttle car	
Underground 28/08/1998 United States Non-Coal Underground	Electrocution	A cable for a shuttle car was on the mine floor in water, which caused a circuit breaker to trip. After resetting breaker and hanging cable on rib a superintendent was electrocuted as he came in contact with damaged spot on checking the energized cable.	Ground faults should be repaired prior to energizing equipment or wiring. Cable damage should be corrected immediately. Insulated gloves should be used when handling energized cables. Power cables should be protected from damage.
13/04/1956 Australia Queensland Non-Coal Underground Unknown Underground	Contact with Moving or Rotating Plant (Guarding/Access to Danger Zone)	Fatally injured whilst endeavouring to jump clear of an impending collision and was crushed between the wall of the T56 drive and the rear cable bottom truck which was derailed.	
7/05/1980 New Zealand Unknown Underground	Other	Was killed when the machine he was driving dislodged some roof supports which fell on him	