



# Dangerous Goods Incident Logs 2001



## Dangerous Goods Storage Incident Log 2001

Incident Number	Date	Location	Dangerous Goods Involved	Incident Details
W05/01	20/01/01	Kwinana	Hypochlorite solution	A spill of approximately 1100 L of hypochlorite solution occurred as a result of tanker overfilling.
W01/01	23/01/01	Karratha	Lithium batteries	A small explosion and leak of electrolyte occurred shortly after a lithium battery was connected to a VHF radio for testing.
	15/2/01	Bellevue	Flammable liquids Perchloroethylene Corrosives Oxidising agents	<p>Fire destroyed a waste recycling facility.</p> <p>This was Western Australia's largest chemical fire.</p> <p>The fire required a major emergency response. Drums of flammable liquids exploded and started other fires in the area. About 50 residents were evacuated during the emergency.</p> <p>Cause of fire was likely to be arson.</p>
W03/01	02/03/01	Naval Base	Petrol	A fire, resulting in minor injuries, occurred during the filling of a 5 L fuel container from a service station dispenser.
W04/01	03/03/01	Kewdale	Phosphoric Acid and Corrosive Liquid N.O.S.	A grass fire spread and engulfed plastic packaging, pallets and several 200 L drums of corrosive liquid on a chemical storage site. The resulting spillage was contained and neutralized on-site.
W07/01	05/04/01	Kelmscott	Methylated Spirit, White Spirit, Kerosene and LP Gas	A chemical formulating building was completely destroyed by fire. Many 200 L flammable liquid drums stored within the building ruptured and ignited.
W13/01	04/06/01	Kiara	LP Gas	A short duration flash fire occurred at a service station when a staff member used a cigarette lighter to check an underground tank gauge at night.
W09/01	07/06/01	Geraldton	Perchloroethylene	Workers were overcome by fumes at a drycleaning factory due to the failure of a fitting on the drycleaning unit. The fitting was found to be the incorrect type for the unit which had been replaced during a maintenance check some time before. The correct fitting has since been installed.



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W10/01	13/06/01	Burswood	Ammonia	Employees from a two-storey commercial building were evacuated when ammonia gas escaped from a film processing equipment's scrubber unit.
W12/01	02/08/01	Bellevue	Ammonia, Anhydrous	Ammonia vapour leaked into the water of a cooling tower of a refrigeration plant. The vapours dissipated within 30 minutes. There were no injuries.
W11/01	02/08/01	Broome	Chlorine	A single leaking chlorine cylinder (55 L) caused the evacuation of a transport yard and surrounds in the industrial area.
W14/01	22/08/01	Canning Vale	Hydrogen peroxide plus silver nitrate	A 100 L drum of hydrogen peroxide decomposed resulted in heat and vapour generation.  Decomposition was likely to be due to the presence of contaminants in the peroxide solution.
W22/01	19/11/01	Welshpool	Combustible/flammable liquid	An explosion and tank fire occurred following a grinding operation in the vicinity of waste oil tanks.  A contractor received superficial burns.  Contamination of the waste oil with flammable liquid(s) is suspected.
W20/01	10/12/01	Kwinana	Sulfur	A spark from a front end loader picking up unpackaged, bulk sulfur from a concrete floor ignited the sulfur. The fire spread along a conveyor belt carrying sulfur.
W19/01	13/12/01	Maddington	Flammable liquids	A fire in the filling/ maintenance shed at a warehouse destroyed plant and equipment. Firewater was contained on site.
W21/01	23/12/01	Parkeston	Sodium Hydrosulfide	A fire occurred in a bin that contained used sodium hydrosulfide (of Class 8 not 4.2) packaging. Residual sodium hydrosulfide, possibly contaminated with copper oxide, may have initiated the fire.



## Dangerous Goods Transport Incident Log 2001

Incident Number	Date	Location	Dangerous Goods Involved	Incident Details
W01/01	19/01/01	Kalgoorlie	Ammonium Nitrate, Liquid	The prime mover and lead tanker of a road-train rolled over at a roundabout, resulting in approximately 10 L of spilled ammonium nitrate solution from a vent.
W04/01	11/03/01	Bindoon	Corrosive liquid, toxic, NOS	Whilst veering to the side of the road the driver lost control and the the rear tanker of a road-train rolled over spilling approximately 150 L of product.
W06/01	22/03/01	Carrabin	Resin Solution, flammable	A section of a freight train derailed, following bearing failure, as it passed through a siding. This led to a number of wagons overturning and the spillage of approximately 200 L of flammable resin.
W07/01	17/04/01	Bruce Rock	Ammonium Nitrate Solution	A rear roadtanker rolled over spilling all 32.7 t of product when the driver lost control of the vehicle while travelling down a narrow road.
W25/01	26/04/01	Kemerton	Hydrochloric acid	20 L of hydrochloric acid leaked from a corrosion hole in a tanker during its filling operation .
W 24/01	30/04/01	Kununurra	Ammonium Nitrate	The rear trailer of a triple road-train rolled over spilling 19 t of product after the driver negotiated to avoid collision with a herd of cattle on the road.
W09/01	10/05/01	Port Hedland	Petrol	During maintenance, 2300 L of petrol escaped from a tanker compartment via a faulty valve.
W10/01	11/05/01	Eneabba	Terpene Hydrocarbons, N.O.S.	The flammable contents of a 1000 L IBC was lost during transport as a result of valve detachment.
W16/01	17/05/01	Kalgoorlie	Sulfuric Acid	Approximately 150 L of sulfuric acid leaked onto the road from a loose pipe fitting of an acid tanker. The spilled product was diluted with water and no injuries were reported.
W11/01	22/05/01	Rockingham	Ammonia, Anhydrous	A driver was overcome from a small amount of gas which leaked from a nominally empty ammonia tank, whilst the driver was attaching lifting chains in preparation to transport the tank.



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W15/01	06/06/01	Kwinana	Ammonia, Anhydrous	During routine rail operations at a Kwinana railyard, there was a small ammonia vapour leak from a faulty gland nut on an indicator gauge of a rail container.
W13/01	26/06/01	Via Kalgoorlie	Sulfuric Acid	Between 3 - 5 t of acid was spilt when the rear trailer of a triple roadtrain rolled over.
W20/01	26/06/01	Bunbury	Hydrogen Peroxide, Aqueous Solution	A 20 L container of hydrogen peroxide fell from a vehicle due to inadequate load restraint.
W23/01	25/06/01	Mount Magnet	Ammonium Nitrate	Due to driver inattention, a road-train veered off the road and the rear trailer rolled overspilling 22 t of product to fall onto the road verge.
W14/01	27/06/01	Lesmurdie	Kerosene	About 80 L leaked from packages located on a stolen and abandoned vehicle parked at a shopping centre.
W18/01	05/07/01	80 km North of Kalgoorlie	Sulfuric Acid	A road tanker rolled over spilling approximately 1500 L of sulfuric acid. The spilled product was transferred into a recovery tanker and all affected soil was neutralised and removed.
W17/01	16/07/01	Mandogalup	Organophosphorus pesticide, liquid, toxic	The driver of a pest control vehicle clipped a parked car, causing the pesticide vehicle to roll over, spilling about 0.5 L of product from a drum.
W19/01	16/07/01	Malaga	Petrol	The driver of a petrol tanker lost control of his vehicle when he took evasive action to avoid a car that had stopped abruptly at traffic lights. The tanker rolled over, onto some cars and caused a significant spill of product requiring extensive clean-up. No injuries were sustained.
W22/01	23/07/01	Bibra Lake	Bipyridilium Pesticide, Liquid	About 15 L of pesticide spilled from some poorly shrink wrapped packages that were being transported on a tray top vehicle.
W26/01	14/10/01	Kalgoorlie	Oxidising Liquid, NOS	Product splashed out from the fill opening at the top of a rail tanker because the camlock cover was missing.



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W27/01	11/12/01	Mumballup	Elevated Temperature Liquid N.O.S. (Bitumen)	An explosion occurred shortly after the burners of a bitumen tanker was lit when the operator failed to check that the level of product in the tanker was within the safe operating limits.
W28/01	19/12/01	Kewdale	Hydrochloric Acid	A quantity of acid was lost from a semi-trailer road-tanker during transit as a result of an inadequately secured compartment cap.



## Major Hazard Facilities Incident Log 2001

Incident Number	Date	Location	Dangerous Goods Involved	Incident Details
S15553	09/09/01	Kwinana	Ammonium Nitrate, Liquid	10 t of ammonium nitrate liquid leaked into a bund as a result of ineffective isolation during maintenance.
W18/01	09/11/01	Kwinana	Hydrochloric Acid	A small explosion occurred in a hydrochloric acid tail gas scrubbing unit resulting in the release of a hydrochloric acid vapours.
W06/01	30/3/01	Welshpool	Acrylamide solution	An IBC of acrylamide solution polymerised, venting gas and product and melting the IBC.  Polymerisation was due to solidification of product in cold weather, and subsequent redissolution, and heat and light exposure.



## **Explosives Incident Log 2001**

<b>Incident Number</b>	<b>Date</b>	<b>Location</b>	<b>Explosives Involved</b>	<b>Incident Details</b>
DGEA 01/01	09/11/01	26km north of Gidgee minesite (via Sandstone)	Detonators and blasting explosives	A semi-trailer failed to negotiate a bend on an unsealed road and rolled over onto its left hand side.  There were no injuries, fires or explosions. 175 kg blasting explosives was later destroyed.