



Dangerous Goods Incident Logs 2004

Dangerous Goods Storage Incident Log 2004

	Date	Location	Goods	Incident Details
S10941	16/01/04	NORTH DANDALUP	Petrol	A customer was drenched with fuel at a service station when the dispensing nozzle being used detached from the petrol hose.
S15548	06/04/04	KWINANA	Sulfuric Acid UN 1832	Approximately 240 L spilt into the bund of a 5 kL tank when a suction line, from a dosing pump, split. It was found that the instrument tubing used for the suction line was incompatible for the strength of acid in service. The operator has installed compatible hard piping to prevent a recurrence.
S14124	06/04/04	KWINANA	Lithium-sulfur dioxide batteries	Fire started from a pallet of used batteries while awaiting destruction. The fire was controlled within a short time. The fire did not affect the other dangerous goods storage facilities on site.
S16581	28/04/04	CANNING VALE	LP Gas UN 1075	About 20 L of gas was released from an underground tank filling point due to valve not being properly closed after filling. Emergency services were notified and the site was evacuated.
S1582	22/06/04	KWINANA	Sodium Hydroxide Solution UN1824	Spill of 1.7 million litres of solution during ship unloading operations into an earthen spill compound.
S8472	28/10/04	BALCATT	Ammonia UN1005	Ammonia-saturated water from the purging system of a refrigeration plant overflowed into a stormwater drain.
S2418	03/12/04	ESPERANCE	Combustible Liquid C1	An incorrectly supplied/specified valve on a pipeline was installed and subsequently failed during wharf line integrity testing.
S15246	06/12/04	DERBY	Chlorine UN1017	A faulty injector caused a minor leak of chlorine into the plant room of a public swimming pool. The leak was isolated. No evacuation was required as the area surrounding the pool was closed to the public at the time of the incident.
S5102	16/12/04	KEWDALE	Ammonia UN1005	Workers at a factory were evacuated when ammonia leaked from a faulty solenoid valve. The leak was isolated and faulty valve replaced.

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X16	20/01/04	YANCHEP	Petrol UN1270	A 40 kL tanker rolled onto its side after failing to negotiate a bend. Approximately 300 L of petrol leaked through the tanker vents into the soil.
X0018	19/02/04	WATTLE GROVE	Bipyridilium pesticide UN3016	About 600 L of packaged pesticide fell off the truck trailer as it was turning a corner.
X0023	10/03/04	KWINANA	Petrol UN 1203	The driver of a tanker vehicle drove off while 2 hoses were still connected, after loading a 5 compartment road tanker at a fuel terminal. This caused a spill of about 5000 L. The driveway protection mechanism on the tanker failed to operate.
X0051	22/03/04	KWINANA	Sodium Hypochlorite UN1791	About 100 L spilt while filling a road tanker. The spill was contained and transferred to the plant effluent system for disposal.
	01/04/04	BODALLIN	Resin Solution 1866	A semi trailer carrying the goods was destroyed by fire. The fire apparently started by a brake fire. The fire could not be extinguished, thus spreading to the load.
	24/06/04	KAMBALDA	Hydrochloric acid UN1789	Acid leaked from a damaged 1000 L IBC. Emergency services closed the road for 6 hrs while the spilled acid was neutralized and disposed of and acid from the damaged IBC recovered.
X0061	27/07/04	FORREST	Sodium Chlorate UN1495	A shipping container loaded with 21 tonnes of the chemical in flexible IBCs on a rail carriage was destroyed in a fire. The possible cause of the fire was the reaction of some spilt chemical, from a damaged IBC, with the wooden floor of the container.
	29/07/04	LEONORA	Ammonium Nitrate Emulsion UN 3139	The rear trailer of a triple road train was involved in a rollover. The trailer was extensively damaged and about 15 t of product was spilt. It appears that poor road condition, loose gravel and the driver's inattention were the main contributing factors to this incident. Further enquiries revealed that the incident was on an "S" bend, and the driver failed to negotiate the bend correctly causing the vehicle to track incorrectly, thus losing control.
	03/08/04	WOODANILLING	Petroleum Fuel UN1270	The rear trailer of a double road train (dog trailer) rolled over as the driver tried to avoid a vehicle that came out of a side road. The 30 kL tanker had 5 compartments. Approximately 4 kL of fuel was spilt. Product recovery proceeded effectively.
	04/09/04	KALGOORLIE	Sodium Cyanide UN 1689	The rear trailer of a B Double vehicle combination rolled over when negotiating a "U" turn. The dolly of the vehicle combination went into a drain which resulted in the trailer rolling over. No spill occurred.
	27/09/04	NEWMAN	Ammonium Nitrate UN1942	The rear trailer of a rigid combination (2 dog trailers), went onto loose gravel. The driver tried to correct the vehicle but to no avail. The vehicle rolled resulting in a 34 t spill. There were no injuries.

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	12/10/04	MEEKATHARA	Sodium Cyanide UN 1689	A double roadtrain was negotiating a bend when the rear trailer veered off the carriageway on to the gravel. Subsequently, the rear trailer rolled on to its side, no injury or spill occurred. It would appear that driver inattention was the cause.
	05/11/04	ALBANY	Sulfuric Acid UN 1830	A tanker was transferring the product into storage when a washer on the transfer hose was found to be leaking acid. Whilst halting the unloading process, sulfuric acid from the transfer hose entered the sump. A spill (about 2 – 3 kL) occurred when the acid in the sump was being diluted with water. The sump was accidentally overfilled.
DGS4042	19/11/04	COOLGARDIE	Diesel	A flatbed truck rolled and caught fire. 5 kL of diesel was involved. The load was contained in a tank bolted to the tray. There were no injuries. Driver inattention was the cause of the incident.
	25/11/04	DALWALINNU	Mixed dangerous goods (<1 kL)	The driver of a roadtrain failed to negotiate a left hand turn resulting in the vehicle rolling over and losing its load. The driver sustained minor injuries and the second driver is in a critical condition. The likely cause of the incident was fatigue.
	01/12/04	CATABY	Mixed gases	The third trailer of a roadtrain rolled over. Likely cause of incident was driver error.
	24/12/04	LEEMING	Sodium Hydroxide solution UN 1824 in 1000 L IBCs (Intermediate Bulk Container)	A rigid truck was travelling in a westerly direction along South St when the driver took evasive action to avoid a collision, resulting on the load shifting. It is believed that the load restraint devices (webbing straps) broke due to fraying. A 1 kL IBC was damaged causing a spill. There were no injuries but 500 L of product was spilled and contained by FESA.

Major Hazard Facilities Incident Log 2004

	Date	Location	Goods	Incident Details
	25/2/04	KARRATHA	Natural Gas	Natural gas leak from a valve stem of the jetty valve. The gas is venting at right angles to the valve stem assembly. There was no risk to the public or the rest of the plant due to huge separation distances involved.
	25/2/04	KWINANA	Hydrogen Chloride	HCl synthesis unit lost supply of absorption water and emitted gaseous HCl from stack. No injuries reported.
S12715	27/4/04	KWINANA	Sodium Cyanide Solution	A valve was left closed, during the wash-out process for the solid sodium cyanide plant, which prevented washings from draining into the filtrate tank. Wash water was diverted into the briquette hopper, saturating the solid sodium cyanide briquettes in the hopper and spilling sodium cyanide solution into the packaging area. No one was present in the packaging area at the time of the incident and as such there were no injuries. The spilt sodium cyanide solution was fully contained within the bunded packaging area.
S16764	14/5/04	KWINANA	Petroleum products	A flash fire occurred in a wet gas compressor interstage knockout drum during the preparation of the drum for overhaul. The fire was caused as a result of the insertion of a non flame-proof torch light into the vessel through a recently opened manway prior to the vessel being gas freed. One person suffered minor injuries as a result of the fire. It was found that the injured person had not received the appropriate clearances to conduct the work.
S15548(c)	7/8/04	KWINANA	Low pH wastewater	Unknown quantity of low pH process wastewater possibly seeped from neutralisation pit (leak) as level stopped increasing despite continued in-flow (no overflow). Contents neutralised.