



**Investigation Report of Wye Colliery No 2 drift
haulage rope failure on 6 May 1999**

Location:	Powercoal Pty Ltd
	Wye Colliery
	No 2 drift
Date:	6 May 1999
Classification:	Coal
	Underground
	High potential incident
	Employee
Safety Alert:	SA 99 07
	Failure of drift haulage rope
Work Task:	A 52mm drift haulage rope broke whilst hauling a dolly car up a 725m length 1 in 3.5 gradient men and materials drift. The dolly car contained a driver and 3 passengers, attached to the dolly car was a flat top trolley loaded with a MPV rubber tyred vehicle carrying a longwall chock. Total hauled load was 58.6 tonnes. The rated capacity of the winder system was 80 tonnes.
Factors:	Haulage rope failed due to corrosion, wear and fatigue. The automatic dolly car emergency dump failed to hold the load in the drift. Three passengers alighted from the dolly car. The Dolly car, driver and load then travelled 175m back to pit bottom and crashed into a wall. The MPV and longwall chock broke free from the flat top and travelled a further 40m past work stations in the pit bottom area.
Key Words:	MDG 26 guidelines for examination, testing and retirement of mine winder ropes for use in coal mines
	MDG 33 guidelines for testing, commissioning and maintenance of drum winders
	AS 1394 wire diameter tests
	AS 2759 steel wire ropes
	AS 3569 destructive wire rope test
	Dynamic testing, non destructive testing, loss of metallic area
	BHP lifting products reports
	One Steel Wire ropes report
	Metlabs report no 9 W1-1
	Test safe report no 18929
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