FILE COPY



INVESTIGATION REPORT

CONVEYOR M22 BELT FIRE 12 FEBRUARY 2001

> David Eves Compliance and Safety Manager 8 March 2001

INVESTIGATION REPORT **M22 CONVEYOR FIRE 12 FEBRUARY 2001**

Summary of the Incident 1.

On Monday 12 February coal was delivered to Energy Brix via the M20's Conveyors from 1900 hours to 2030 hours with operations appearing normal. At 2030 hours coal delivery was switched to Hazelwood and the M20's were shut down at 2100 hours. At 2229 hours Mr P. Shaw, a Bramble's employee reported smoke from the NE corner of the Mine to the Mine control centre. Supervisor Peter Sheridan inspected and found M22 Conveyor to be on fire. The CFA and Mine Management were immediately called.

The CFA, assisted by mine personnel fought the fire. The fire was brought under control at 2330 hours. The fire destroyed approximately 400 metres of conveyor belt, conveyor idlers and electrical cables and junction boxes.

There were no injuries.

Log of Events 2.

- 19:00 Coal loading to Energy Brix via M20's
- 20:30 Coal Loading ceased
- 21:00 Conveyor stopped by control centre
- 22:29 Smoke reported to control centre by Brambles
- 22:30 Supervisor Peter Sheridan went to investigate
- 22:35 Peter Sheridan found M22 Conveyor on fire
- 22:36 Control Centre called CFA
- 22:37 Control Centre despatched pilot vehicle to gate to meet CFA
- 22:45 Two crew from D9 requested to attend scene
- 22:50 Deanmac opened swing gate for CFA
- 22:51 CFA at fire scene
- 22:56 23:10 Control Centre called Steve Rieniets, Ian Quail, Romeo Prezioso, Stuart
- Stiles (Rieniets and Stiles attended scene)
- 23:30 Fire controlled

Investigation carried out Tuesday 13 by David Eves who informed the Mine's Inspector of the Incident.

Findings 3.

- 1. The fire destroyed a total of 400 metres of M22 conveyor belt along with idlers, electrical cables and junction boxes. The cost of repair was approximately \$150, 000.
- 2. The most probable cause of the fire was a bearing failure on a return idler
- 3. Access along the conveyor was difficult because of the rough ground and vegetation
- 4. There was excess build up of spill coal under the conveyor
- 5. No evidence of foul play was found

6. There was a failure in the Mine's Management System as the conveyors were operated in a hazardous condition and the system did not prevent or detect this condition.

4. Recommendations

- 1. Plant 'owned' by each of the five rosters is to be reviewed and agreement reached that each of the rosters is to complete the required inspection, cleaning and lubrication duties to schedule. The schedule requires ALL of the plant to be covered every month. Shift Managers may achieve this by scheduling one third of the work each time they are rostered on. This will even out the workload. See Attachment No. 7 and 9. Reports on work done are to be included in a modified Shift Managers Report. Model Work Order has been raised in Passport (29044727) which will both trigger
- 2. The monthly safety inspection program currently carried Mine Management will be extended to include the inspection of conveyors.
- 3. Conveyors should be patrolled within one hour of a shutdown. The Fire Instructions have been amended and Shift Managers made aware of the instruction. The March toolbox topic will cover this requirement. See Attachment No. 10 and 11.
- 4. The mine must improve its performance in detecting and replacing defective idlers before they fail and catch on fire. The Shift Leaders must ensure that operating conveyors are patrolled regularly such that defective idlers are detected and replaced before they become a fire hazard. See Attachment No. 7.
- 5. Adequate access along all of its conveyors must be provided to allow for inspection and maintenance of the plant. Shift Leaders must ensure access is adequate by arranging for corrective work to be carried out.

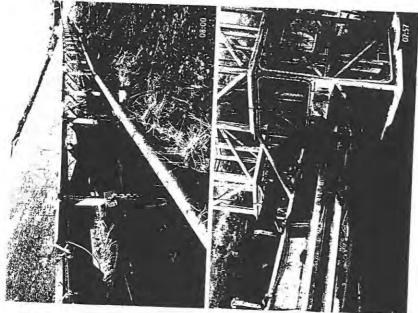
5. Attachments

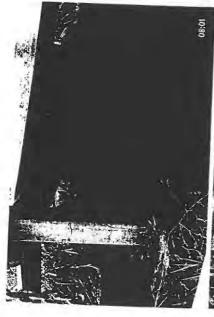
- 1. Photographs of Fire Scene
- 2. Emergency Response Check Sheet
- 3. Supervisor Preliminary Report of Incident
- 4. Shift Managers Report
- 5. Machine Driver Report
- 6. Control Centre Log
- 7. 2x12 Roster Plant Responsibilities
- 8. CFA Fire Incident Report
- 9. Model Work Order for the inspection and checking of Conveyors
- 10. Extract from Fire Instructions Regarding: Inspection of Conveyors after shutdown 11. AS 1885 Incident Report

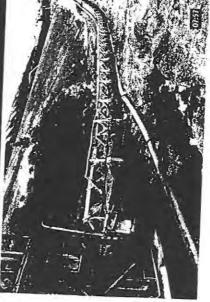


30.H'wood Inv Report.pdf









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ATT. NO. 7

DATE: 26/2/96

NOTE TO: SHIFT MANAGERS SHIFT SUPERVISORS

FROM:

LINDSAY FAWCETT, PEHPCM

COPY TO:

STEVE RIENIETS, IAN QUAIL, BILL ESTRADA

RE:

PLANT RESPONSIBILITIES

At the recent Supervisors meeting is was agreed that the following plant allocations would exist for each roster. The reason for plant ownership is to ensure that; Routines, Mechanical, Electrical and Operator Inspections and Safety Device Testing are completed to Schedule. Also, Cleaning of plant, Cribrooms, Drivers and Operators Cabins is done on a regular basis.

NOTE: - THIS DOES NOT DETRACT FROM THE SHIFTLY CLEANING AND INSPECTION DUTIES OF OPERATORS.

PLANT OWNER	PLANT
A ROSTER -	D11,M225,M220,M166,
KEVIN LOVETT	M53,M54,M55,M56,M57,
	M58,M59
B ROSTER -	D9,M245,M241,M240,
GARY RHODES	M167,M161,M162,M163,
	7 T/POINT
C ROSTER -	D25,M265,M262,M261,
ROD FLEMING	M260,M168,M21,M22,
	M24,M51
D ROSTER -	S94,S96,M170's,M180's,
TREVOR BERRYMAN	M190's
E ROSTER -	D10,TS2,M216,M211,
PETER COAD	M210,M165,M209

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Work Order Task Instructions Each month all conveyors in the mine ar excessive coal spill and for defective is to be arranged to reduce the risk of the results of the inspections are to be the results of the inspections are to be a spirit.	fire on all	conveyors.
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Managers Log at the end of each shift. Task Resource Requirement (Internal Labour) Description of Resource NON CHARGEABLE RESOURCE		Hours Per Total Resource Hours 4.00 8.00 Total 8.00
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ATT. NO 10



Fire Instructions - Mine Current

3 ORGANISATIONAL RESPONSIBILITIES IN RELATION TO FIRE PREVENTION

3.1 Director Of Mining

The Director Mining is responsible for all Fire protection activities for the Mine and defined surrounds.

3.2 Production Manager Mining Operations

The Production Manager is responsible to the Director of Mining for:

- the detailed implementation of these instructions
- the management of the Fire Service Group

3.3 Services Coordinator

The Services Coordinator is responsible to the Production Manager for the operation and maintenance of the Fire protection procedures, installations and related services in the Mine. This includes arranging the pumping and operation of major control valves to ensure adequate water supply and pressure and to direct or ensure:

- Fire fighting operations.
- Reporting all serious Fires and Fire risk to the Production Manager
- Inspection of all Fire fighting equipment
- Training of all personnel in Fire fighting methods
- Approval/recording the access of vehicles and plant to coal surfaces on Fire alert days
- Declaration of Fire alert after consultation with Director of Mining or Production Manager
- **Issuing Hot Works Permits**

3.4 Compliance and Safety Manager

The Compliance and Safety Manager shall ensure that all Mine Personnel and the Main Contractors to the Mine are given training in these procedures annually.

3.5 Shift Production Manager

This officer is responsible for:

- Fire fighting until such time as the Fire Service Officer or Fire Service Availability Officer
- Reporting all Fires to the Fire Service Officer or the Fire Service Supervisor on duty.
- Ensuring that all unmanned plant is inspected at least twice per shift and non-operating conveyors once per shift. Conveyors which are shut down after a period of operation should be patrolled within one hour of the shutdown.
- Ensuring that all locations where welding and/or burning have taken place are inspected before the end of the shift, and then at least twice per shift for the following shift.
- The duties and responsibilities of the Fire Service Officer after normal hours (0700 to 1742) until the Fire Service Officer, or his deputy, attends and takes control of the situation

Authorised by: David Eves

Doc Group 03 Health & Safety

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Version: 1.3 Date: Feb-14-2001 Doc ID 4020/5331 Control Status: Uncontrolled Document

ATT. NO. 11

WORKPLACE INJURY AND DISEASE RECORDING FORM

Reference number HAZELWSON MINE-FEBEI

Personal details of the injured worker	MINE-FEB
1. Sumame No INSURIES	14. Description of occurrence of injury or disease:
Given names —	• In which part of the
2. Sex (M or F) -	In which part of the workplace did the injury or disease exposure occur?
	le.g. machine shop, freezer room
3. Date of birth — / Month Year	2 2 1 3 2 1 1 6 2 2
	NTH RAST CRN OF MINE.
Basis of employment	MINK.
	• What was the worker doing at the time?
4. Starting time: 0600 - 1159 hours	(e.g. driving a fork lift truck, lifting bags of cement, typing
² 1200 – 1559 hours	77 6
³ 1600 – 0559 hours	
5. Shift arrangement:	
5. Shift arrangement: Fixed, standard or flexible hours	
Rotating shift	What happened unexpectedly? Include the present of the prese
6. Number of hours: 8 hours or less	the home of an
more than 8 hours	process or equipment involved.
(excluding overtime)	(e.g. brakes failed on fork lift truck, slipped on wet floor, scaffolding collapsed, arm storted human
Job details	on a word processor) while typing
7. Description of occupation or job title	A RETURN :=
	FAILED 4 OULPHEATED.
8. Main tasks performed	
	CHOSED SPILL
	CATCHON FIRE WHICH
	IN TUDOL COM WHICH
	THE PURPLEAD TO
9. Training provided: Induction training	THE RUBBER CONVEYOR
daning	
Task specific training	How exactly was the injury or disease sustained? Include the name of any chemical.
Both of the above	Include the name of any chemical, product, process or equipment involved.
⁴ Neither of the above	(e.g. hit head on cabin see
Details of the injury or disease	when landing on ground, arm hurt after long period of
10. Date injury occurred Day Month Year	typing) and after long period of
or disease reported 12/02/01	
11. Time injuty occur is 12.	
2 2 9 (24 hour	
12. Nature of injury or disease	
EXTENSIVE FIRE ON M22	
MINE HAZELWOOD	
THINK	
Code Code	
13. Bodily location of injury or disease	Machani
	. Mechanism of injury
	Breakdown agency
	Agency of injury
Code	- and as anjury
	Form continued on the back of this page
	sack of this page

Lost-time injury/disease

Additional questions to be answered for cases which result in a fatality or permanent disability, or where there was time lost from work of one or more days/shifts. These questions should be completed as soon as possible after the injury or disease is reported.

15.	Employee's preferred language	
16.	Type of employment:	Full-time permanent Full-time casual Part-time permanent Part-time casual
17.	Type of employee:	
	Wage/salary earner:	Trainee 12 Outworker 13 Apprentice
	(Note: most employees will fall into this category)	Pieceworker (other than Outworkers) Other
	Self-employed:	20 (including contractors and sub-contractors)
	Unpaid worker:	Work experience Other
18.	Worker's experience in task being carried out when injury or disease occurred	Years Months
19	Proportion of shift worked:	25% or less 2 26% - 50% 3 51% - 75% 4 76% - 100% 5 Overtime
	etails of person completing thi	
N	ame DAUID EU	<i></i>
Pe	osition Compliants	SAFETT MGR
Si	ignature	
D	tate $\frac{23}{2}$, $\frac{2}{2}$, $\frac{3}{2}$,	<u></u>

Outcome of injury/disease

Questions 20 – 24 are about information that is not available at the time of the report of injury or disease. These questions should be answered as soon as the information becomes available. For some occurrences, such as where there was no time lost, some of these questions will not be relevant.

20.	Rehabilitation: 1 Required		
	Date of comme of rehabilitation Day Month Not required	n program	
21.	Was the injury or disease: : Fata 2 Nor		
22.	Preventive action proposed or taken: INUESTIGATION C DETAILED REPOR LISTING PROPOSED ATT TO THIS F	ACTI OI ORM	TE0 AREO U.
	(Tick one or more boxes as appropria		
	Change to induction training Change to ongoing training Equipment/machinery modifications Change to work procedures Change to work environment Equipment/machinery maintenance Other job redesign Other preventive action	Proposed 1:	Taken 12
23	Date of resumption of work on: Short-term alternative duties Permanent alternative duties Normal duties (Enter each date when applicable)	Month Y / / / / / / /	ear
24	Total number of working days lost (Should be completed only when the worker has resumed permanent duti	es)	