







## SHE Incident Initial Learnings

### A: Initial Learnings

Incident type	Occupational Safety	Environment	Health	Equipment damage
	X			

Relevant Life Saving Rules						

Relevant Life Saving Rules						

Actual severity classification	First Aid	Potential severity level	Fatal
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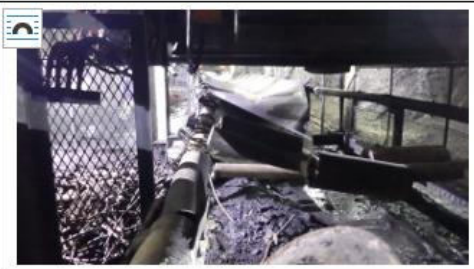


Operating entity and division	Shondoni Colliery, W100 Conveyor Trajectory.
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Date of incident	8-Oct-21	Time	14H22
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Description of incident	<p>On Friday the 8th of October 2021 at approximately 14:22, a section of the trunk conveyor belt (W100) caught fire at Sasol Mining's Shondoni Colliery. The resulting fire caused extensive damage to the W100 conveyor installation and resulted in smoke affecting three production sections (33, 34 and 37) and two Stoneworks sections (SW2 and SW6) at the Shondoni West shaft.</p> <p>Emergency and safety protocols were immediately activated as emergency services were dispatched. A total of 42 employees were brought to surface from the affected area between approximately 17:05 and 19:58 on the 8th of October 2021, while 53 employees were evacuated to refuge bays until the fire could be brought under control and gas readings brought down to an acceptable level. The remaining 53 employees were brought to surface from the respective rescue rooms between 04:00 and 15:30 on the 9th of October 2021.</p> <p>All employees received medical attention. Individuals who sustained minor injuries received first aid treatment and three employees were admitted to hospital for observation, all of which have subsequently been discharged and are receiving counselling after the traumatic event.</p> <p>After the Proto teams brought the fire under control and declared the area safe, an in loco inspection of the scene was completed on the 13<sup>th</sup> October by the DMRE whilst the Incident Investigation team</p>
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conducted an inspection of the scene and affected area on the 14<sup>th</sup> and 15<sup>th</sup> October. An independent investigation into the incident is currently underway.

**Photos** [Note – no photographs showing actual injuries must be distributed]

<p><b>Primary Magnet on W100 – Picture from discharge end of magnet conveyor also indicating tramp iron removed by magnet conveyor</b></p>	<p><b>Primary Magnet on W100 – Picture from tail end of W100 conveyor side</b></p>
	
<p><b>Damage to support structures of W100 Conveyor</b></p>	<p><b>Side wall burning &amp; smouldering of coal adjacent to W100 Conveyor</b></p>
	

**Number of injured** (no names published) First Aid Cases

**Equipment / product involved** W100 Conveyor Trajectory

- Consequences** (describe all e.g. nature of injuries, damage and/or loss)
- Personnel injuries most due to smoke inhalation.
  - Damage to W100 Conveyor installation, air crossing infrastructure, wire mesh installation and other infrastructure such as water reticulation lines.
  - Production interruption due to rescue and in-loco investigation activities and Section 54 stoppage by the DMRE.

**Key undesirable event / Major hazard event** Fire

**Related KUE scenario / Major hazard scenario** Fire

**B: Preliminary Incident Report**

- Immediate corrective actions taken**
- Emergency services were immediately dispatched and commenced with fire-fighting activities.

	<ul style="list-style-type: none"> <li>• All personnel either evacuated to surface or dedicated refuge bays and subsequently received first aid or medical treatment.</li> <li>• Relevant authorities were notified.</li> <li>• All mining related activities were stopped.</li> <li>• Firefighting activities were completed, and safe declarations conducted.</li> <li>• Incident scene inspections were completed, and detailed investigation activities commenced.</li> </ul>
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<b>Facts gained</b>	<ul style="list-style-type: none"> <li>• It was established that W100 tripped at 14:22 due to a "safeline" interlock being activated.</li> <li>• The CO monitor approximately 120m towards the tail end of W100 from the primary magnet installation went over range (&gt;300ppm CO) at 14:24.</li> <li>• The W100 conveyor lost tension ("snapped") at 14:28.</li> <li>• The conveyor &amp; structure of W100 directly below the primary magnet was identified as the main area of interest and is currently regarded as the area of the origin of the fire.</li> <li>• Current indications are that the fire initiation point was below the return side of the W100 conveyor directly below the primary magnet installation.</li> </ul>
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<b>Preliminary causes or learning</b>	<p>The detailed incident investigation is still underway, and no preliminary causes can be listed at this stage, it is however suggested for all Sasol Mining operations to:</p> <ul style="list-style-type: none"> <li>• Inspect all magnet installations to verify cleanliness in these areas and to ensure that no buildup of material, debris and / or foreign materials are present in these areas.</li> <li>• Verify that support structures are appropriately aligned with remaining conveyor structures in the areas below these magnet installations and, ensure that these structures are bolted in position to prevent / mitigate the risk of misalignment.</li> </ul>
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<b>Reported by</b>	[Redacted]	<b>External reporting required</b>	Yes
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<b>Investigation team members</b>	[Redacted]
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<b>Contact person</b>	[Redacted]	<b>Telephone</b>	[Redacted]
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