

# OME SHE Learning

**Learning number** CES L686

**Operating Entity** Energy Marketing and Sales – Outbound Logistics

**Date of incident** 09 May 2024

Incident type	Occupational Safety	Process Safety	Environment	Product Transportation	Health	Security	Equipment Damage	Nearmiss
	X							

Relevant Life Saving Rules												
						X						

Relevant Process Safety Fundamentals												

**Key Undesirable Event** KUE - Exposure to electricity  
Scenario - Indirect exposure to electricity

**Description of the incident** While cutting an electrical cable with a hack saw a service provider employee was exposed to an arc flash.

**Underlying and root causes**

**Underlying Causes:**

	<p><b>Root Causes:</b></p>
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<p><b>Key learnings and control improvement recommendations</b></p>	<p><b>Key learnings:</b></p> <ol style="list-style-type: none"> <li>1. Ensure strict compliance with isolation and lock-out procedures before working on electrical installations, i.e. end-to-end tracing of electrical cables to ensure positive identification (no assumptions).</li> <li>2. Limitations of the GPR regarding the detection of underground services must be discussed with the Service Provider and understood by all those involved in the excavation activities.</li> <li>3. Assurance controls must be applied where Service Providers are used as SMEs on risk control and avoid over reliance on Service Providers' own processes.</li> <li>4. Spike testing should only be performed as last resort when cable isolation cannot be guaranteed, and it must be done at a point where the cable will be cut i.e. not on cable joints.</li> <li>5. When there is a change in scope of work (e.g. where excavation work scope is amended to include removal/cutting of electrical cables), all work must be stopped, and the PDA must be formally reviewed to ensure all the potential/additional risks are addressed.</li> <li>6. PDA – Ensure that all applicable KUEs associated with the full scope of work are identified, and assurance is done to ensure that all critical controls are implemented and adhered to.</li> <li>7. When services (electrical, process pipelines, telecoms, etc) are discovered unexpectedly, they must always be treated as live until proven otherwise.</li> <li>8. Emergency Management – Alternative emergency contact numbers should be made available to emergency responders to ensure effective emergency response.</li> <li>9. Ensure that all standby's are equipped with the correct contact information in case of emergencies i.e. the control room should be contacted instead of the Permit Coordinator.</li> </ol>
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<p><b>Identification of standard or good practice related to the incident</b></p>	<ol style="list-style-type: none"> <li>1. Whenever cables were discovered during excavation, the Service Provider (Pinault) team immediately stopped work and informed Sasol officials.</li> <li>2. Openness and collaborative support from the Outbound operations leadership and broader teams.</li> </ol>
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Add pictures

To prevent future incidents, it is recommended that this incident learning is appropriately shared and implemented by relevant persons in your Operating Model Entity, where applicable.

Together towards ZERO HARM and SUSTAINABILITY