

Alert



Outline the Scene	Incident	Worker Receives Electric Shock
	Subject	Safe work around overhead electrical services
	Critical Risk Type	CRS07 Contact with Electricity
	Incident Date	02 August 2023
	Business Unit	Brian Perry Civil – Southern Region

What happened?



- Workers were lifting and placing formwork shutters with a truck mounted crane, as they completed a lift to place a shutter, the dogman approached the truck so he could grab D-shackles to fit to the chains for the next lift
- As the dogman was leaning against the truck to retrieve the D-shackles the crane operator has slewed the boom around towards the rear of the truck
- As the boom has slewed around the lifting chains fitted to the boom swung out, and contacted an overhead 11kva power cable
- An electrical current flowed through the truck, resulting in an electrical shock to the worker, who was thrown clear of the truck, landing on the ground a short distance away
- The worker has conscious and only suffered a minor burn from the electric shock, the worker was transported to the hospital for medical assessment
- The overhead electrical line was not damaged, however the incident resulted in loss of power to the residential properties connected to the line



We believe all injuries are preventable, here are some questions to help us learn



When planning plant and lifting operations near overhead services, have we:

- Identified the location of all power poles, backstays, and overhead lines
- Contacted the utilities network operator to determine Minimum Approach Distances (MAD)
- Installed physical controls to protect infrastructure or demarcate the MAD
- Applied for a close approach permit if likely to encroach on the MAD
- Engaged a qualified and authorised electrical safety observer, or stand over
- Installed visual indicators on all overhead powerlines to highlight their presence?
- Documented the critical risks and critical controls for 'CRS07 Contact with Electricity' in the activity plan, JSEA, and lift plans
- Stopped to reassess risk when the task, plant, or process changes

For more information, please contact;

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