



Arteche CH-123 CT Failures - Update

Transpower has had five Arteche CH-123 2011 model CT failures since October 2018 including a recent failure of HAY CT-142 on Saturday 30 November 2019.

Transpower issued a First Alert on 7 December 2018 and a Safety Alert on 5 February 2019 following the failure of an Arteche CT at MPE.

It has been confirmed, via a forensic inspection with the manufacturer's representative, that the failure mode of these CTs is associated with moisture ingress from the top rubber bellows. Subsequently, the rubber bellows were inspected and Dissolved Gas Analysis (DGA) tests were carried out on the entire in-service fleet of CH-123 and CH-72 CT's. Based on the inspection/DGA results and following the manufacturer's DGA guidelines, a prioritised replacement program was developed. As a precaution, a 10m exclusion zone was initiated around these CTs at that time.

Following the failure of HAY CT-142 at the weekend the following actions are to be implemented immediately.



Immediate actions

At this time, we ask that everyone working at sites near these Arteche CT's exercise caution and ensure that Safety Plans and Work Plans take account of the potentially elevated risk associated with all Arteche CH-123 and CH-72 CTs. We recommend the following precautionary steps be taken:

- The following Arteche CH-123 CT's are to have a roped off exclusion zone of at least 10m established immediately at:

HAM	HAY-DC	MKE	PAO	ROS	WDV
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- For other Arteche CT 123 and 72 CT's not listed above and are closer than 10m to project works where personnel are working, then personnel should minimize the time within this zone.
- If personnel have no reason to be closer than 10m from these CTs they should keep clear. This information should be entered on the hazard board.
- Where CTs are closer to fences than 10m and where the public/personnel have outside access, then the fence should have shade cloth, or industrial plastic, or some other suitable materials put in place along the fence line to stop any debris should a CT fail before being replaced.
- There is a prioritised replacement program underway, with site works commencing December 2019.
- Sites with Arteche CH-123 and CH-72 CT's:

BPE	HWA	MNG	SFD	HOR
DOB	HWB	MPE	STU	MKE
HAM	IGH	PAO	TIM	SBK
HAY-DC	KOE	ROS	WDV	WWD

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