## Safety Alert



## Title: Temporary Earths/Bonds - Tail clamps

Incident	Description				
Event Date: 11/08/2020	<b>Time:</b> 14:30pm		Location: Trustpower 110kV Line - Wheao-Rotorua 0305		
Investigation Status:		On-going		NP Reference / Externa INV # 6566	al Reference:
Event Description:	During a site visit to a de-energised pole replacement job, a set of worksite earths applied to the conductors were identified with an older style 25kA tail clamp attached to the earth spike. The obsolete tail clamp in photo 1 is clearly different to the tail clamps in photo 2 which show the strengthened web TP approved design. The supervisor and crew were immediately informed of the tail clamp to help raise awareness on site. The earths were removed from conductors and the portable earth with the obsolete tail clamp replaced.				
Potential Outcome:	<ul> <li>Tail clamp blown off the earth spike in the event of large electrical / mechanical forces produced by fault currents. This can cause serious injury.</li> </ul>				
Actions Required / Messages:	<ul> <li>Thoroughly inspect all portable temporary earthing and bonding equipment by competent employees at all transmission division depots and substations.</li> <li>Only approved temporary portable earthing equipment shall be used.</li> <li>Ensure all staff are fully aware of the differences between the older style of tail versus the latest approved tail clamp designs.</li> </ul>				
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SM-EI Reference: TP.SS Reference:	3.701 USE OF PORTABLE EQUIPMENT ON OR NEAR HV CONDUCTORS 07.24 Work site and mobile plant temporary earthing and equipotential bonding in HV				
Contact Person:	switchyards- Section 8 Note: 3 Clinton Toi – Northpower Trade Specialist				

Date of Issue: 25/08/2020

## Northpower