



ElectraNet SA
Asset Maintenance
55 East Terrace
Adelaide SA 5000
Phone: (08) 84047108
Facsimile: (80) 84047447

ESAA No: 13/2003

Subject: Current Transformer Failure

Accident/incident details: -	
DATE OF INCIDENT: 25-1-2003	NUMBER OF PAGES: 2
	Location: Robertstown Substation, South Australia

Brief description of accident/incident: -
At 1845 the internal insulation of a post mounted 275 kV current transformer (CT) failed. As a result the CT catastrophically failed and the oiled contained within the CT caught fire. The local Country Fire Service (CFS) was called and after ensuring the area was safe, the CFS entered the site and extinguished the fire.

The fire damage was restricted to a 3-metre radius (refer photo's 2). The terminal lid and the CT lid were located 45 metres & 15 metres away respectively, inside the substation.

Potential electric shock: -
Potential electrical shock from HV Conductors.

Extent of injury/damage: -
Nil injury to personnel.
Replacement of the CT was required.

Corrective action: -

➤ Investigation into this event is in progress.

Please note: - Detailed report to follow.

Additional comments:

Photo 1 – Current Transformer location.



Photo 2 - Damage predominantly restricted to a 3-metre radius.



FURTHER INFORMATION – CONTACT: - Peter Stattmann (08) 8404 7932
Substation Maintenance Engineer
ElectraNet SA