

Case Study: Avoidance Of Buried Services At Electrical Sub-stations:



The above image highlights the consequences of driving a 5m length metal earthing rod into the ground at a primary electrical sub-station.

No serious physical injury occurred to the operative on this occasion; however the potential for a fatality was clear. The task for the operatives was to install new earthing to a sub-station fence, whilst driving the earth rod into the ground, contact with an 11,000 volt wire armoured cable occurred. The investigation into this dangerous occurrence, established that no trial holes had been excavated at the locus of the cable strike to confirm the presence of utilities. A further contributory factor to this incident was that the squad who damaged the high voltage cable was not the same squad that had undertaken previous trial holes, leading to a situation where a concise handover of information had failed to be implemented between supervisors and operatives. Prior to ground penetration taking place at any location, it is imperative that all the necessary control measures have been implemented to ensure that contact with all utilities will be avoided.

No Permit To Break Ground, No Ground Penetration To Take Place Adherence To HSG47 Strongly Recommended.

All Cable Record enquiries should be addressed to:

SP Energy Networks (North)
Data Management
(Correspondence)
55 Fullerton Drive
Cambuslang
Glasgow G32 8FD
t: 0141 567 4155 or 0141 567 4455
e: Requestforplansscotland
@scottishpower.com

SP Energy Networks (South)
Data Management
(Correspondence)
North Cheshire Trading Estate
Prenton Way
Prenton
Birkenhead CH43 3ET
t: 0151 609 2373
e: Requestforplansmanweb
@manweb.co.uk

All Cable Deviation Requests /Service Alterations enquiries should be addressed to:

SP Energy Networks (North)
Customer Connections
55 Fullerton Drive
Cambuslang
Glasgow G32 8FA
t: 0141 614 9997

SP Energy Networks (South)
Customer Connections
PO Box 290
Lister Drive
Liverpool L13 7HJ
t: 0151 221 2110

Emergency contact

In an emergency, or if there is any damage to SP Energy Networks cables or plant, call the appropriate number:



**SP Energy Networks
North**
Central & Southern
Scotland
0845 272 7999

**SP Energy
Networks
South**
Cheshire,
Merseyside
& North Wales
0845 272 2424