

# Safety Flash (2013-A-004)

**Subject:** Damage to 415V Buried Cable

**Site Location:** CE Barry Power Station

**Date:** 09-04-2013

## Incident Details

During re-commissioning activities in the CE Barry PS 132KV sub, a tracked MEWP was being manoeuvred into position to allow final testing of replacement CT VT units in the switch yard – this activity passed without any undue issue.

The following day, several contractors informed the BPS control room that a number of the accommodation blocks had lost power.

Initial investigation led the site electrician to ascertain that a phase had been lost in the distribution board. Fuse replacement was carried out and checks carried out prior to electrical supplies being returned to the accommodation blocks. Shortly afterwards, power was lost to other accommodation units.

Further investigation ensued and damage to the 415V supply cable, which was only partially buried on the hardcore floor of the switchyard, was revealed.

It is believed that this damaged was caused by the operation of the tracked MEWP in the area.

Supply to the accommodation was isolated and a PTW issued to enable jointing operation to commence.

## Attachments / Photos



Tracked MEWP



Partially Buried Cable



Cable fully exposed post incident

## Learning & Recommendations

- The cable supplying the accommodation units was installed in 1997. It was not installed correctly and was not buried to the correct depth so as not to be damaged during maintenance / vehicle activities within the switchyard.

Recommendations:

- Where practicable, check the depth of buried cables, and record (e.g. CDM H&S File information).
- If unsure of cables within any working area, CAT scan the area to identify potential cables. If MEWPs or other mobile plant are to be used within the vicinity, additional protection should be considered (i.e. steel sheet or suitable boards).

| SITE REVIEW EXPECTATION  | Required<br>✓ ✗ |
|--|-----------------|
| <b>Action:</b> Significant / HiPo event - actions are listed on Global CATS system                     |                 |
| <b>Action:</b> Consider "Learning & Recommendations" - if applicable at site, implement via local CATS | ✓               |
| <b>Action:</b> Communicate safety alert/flash via cascade to relevant personnel or via HSE forum       |                 |
| <b>Action:</b> For information/local consideration and awareness raising via site notice boards        |                 |
| SITE REVIEW OUTCOME  |                 |
| <b>No action required:</b>   |                 |
| <b>Action required:</b>  |                 |

For further details, contact the HSE Team

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