

Bird take off Tower 73 on Liberty
230KV line 47 miles from plant - a large
fire ball → Bird near stotal
cross insulator → phase C to
ground → fault detection sensed →
out of 3 breakers

out of 2 at ~~westing~~^{westing} breakers opened.
because ^{not all} AR relay contacts made up to
warn trip line.

A number of other 230KV lines in service
operational. But 500K/230KV had
no overcurrent protection ^{or} any
other fault protection.

Information in this record was deleted
in accordance with the Freedom of Information
Act, exemptions 2
FOIA-2004-0307

No trip redundancy - has been connected to
one other line that had to be fixed. H/B

Some 230KV substation crossbars had only a single trip coil. Going to add additional trip coil. Looking at future design change.

Large reactive and real load in PMS surge

Large reactive power being transferred to Westing from PMS surge. all Hassayaya

First 12 seconds up to 25KV drop in PMS

But Hassayaya needs a negative sequence trip. (essentially phase trip)

Causal 3 Hassayaya lines away

Voltage \downarrow to 370KV

PMS 500KV relay started timing \rightarrow all other lines trip @ 25 seconds \rightarrow fault cleared @ 38 seconds \rightarrow 52KV

\downarrow
LOOP

\rightarrow 500KV started
U2 500KV started but after a while fault \rightarrow
no out out \rightarrow ALTRIT

U1 & U2 - Lapped on DMBR
U3 - Variable overpower

All 3 units on Natural Circ.

Fault current wasn't enough for overcurrent
trip in PMS Dwydi.

Removed negative sequence trips for Hossayama

Issues

Ex2

1
2
3

1) 13th CIE Marche Brests - 2 wouldn't close \rightarrow
Power for SUT - Resident followup

2) U3 Bypass Valve (Central Cabinet Malfunction)
- Resident followup

- ⑥ LP5Z (Big winner)
Check valve in leakage - Resident
Followup.
- ⑦ U3BCP 67 Hz
- core level sig analysis - DKS review
banded by analysis
- ⑧ EOP procedure but for ACP sys - need
to be change
- ⑨ LDK dive excites failure - random, isolated
will post - ~~water~~ return on deck - no other
further actions.
- ⑩ E Charging pump trip - presumed error - AIT

UI
⑪ ADV failure - potential failure →
Resident followup

⑫ Emergency Response

- 12(A) - RT delayed by operator for 10 minutes
- 12(B) - Residual PAB specifies detection
~~could cause delay of RUC system~~
- 12(C) - Shutdown failed to isolate - overheated
pump → part fires → RT released
fire.

Ex. 2

(12) Test switch out of position due to
maintenance over.

1

(13) UI didn't note notification in 15 minutes
PI hit.

AIT Followup Insp

- U2 EDG A - diode failure in exciter rectifier circuit
- U2 CCP E - operator error
- U3 Stem bypass control valve
- 13.8KV breakers : GSE Magne Blast : Carcase heading?
emergency response facility and security into kee issues
- U3 LPSI Borg-Warner check valve leakage
- TSC EDG failure - test switch out of position
- U3 RCP overspeed - core barrel lift analysis.
- U3 RCP Lube oil Lift Pump Brecker Thermal control
trip

What is negative sequence current