

AR 01320006 Report

Aff Fac:	Byron	AR Type:	CR	Status:	APPROVED
Aff Unit:	02	Owed To:	A8823OCAP	Due Date:	02/29/2012
Aff System:	SY			Event Date:	01/30/2012
CR Level/Class:	2/A			Disc Date:	01/30/2012
How Discovered:	H02			Orig Date:	01/30/2012
WR/PIMS AR:	00391884	Equip Tag:	2SATDISC - U-2 SAT TRANSFORMER DISC		

Action Request Details

Subject: U-2 TRIP SAT C-PHASE FOUND OPEN

Description: Originator: (b)(6) Supv Contacted: (b)(6)

Condition Description:

Walk down of the Switch Yard following the U-2 Reactor Trip identified the bus section between the SAT Disconnect Switch (Bus 13) and the Revenue Meter (Combi Unit) has failed. The flexible section of the bus and the S-Bus are leaning against the Combi Unit Support Stanchion. Two (2) of the four (4) C-phase bus insulator sections are laying on the ground. The insulator is a stack of four insulating sections. Two are still connected to the overhead support structure and two are on the ground. The Insulator supports the bus from above. The S-bus termination pad and the disconnect termination pad may both be damaged. The C-phase bus failure cause appears to be due to the overhead supporting bushing/insulator failure. The following buses were walked down as well: 241/242/243/244 (4kV) and 256/257/258/259 6.9kV). In general A-phase time delay Overcurrent relay flags were up as were the Bus 241 AB Phase and BC Phase Degraded Voltage Relays. The Bus 242 BC Degraded Voltage Relay Flag was also up. Bus 244 had no relay Flag up. No bus had a C-phase Over Current Relay Flag up, suggesting the cause was a loss of C-Phase Bus, and supported by switchyard walk down results.

Immediate actions taken:

Initiated IR. Communicated findings to OCC

Recommended Actions:

Create WR for repair

Operable Basis:

U-2 SAT are offsite power for U-2 and alternate power for U-1. Both units are in LCOAR for offsite power.

Reportable Basis:

This did result in a loss of offsite power, unusual event declaration

Information in this record was deleted in accordance with the Freedom of Information Act. Exemptions to FOIA/PA 2012-0287

C4

NARs and ENS phone call..

Functionality Basis:

Failure has resulted in loss of function of U-2 SAT and disconnect.

Reviewed by: (b)(6) 01/30/2012 13:54:39 CST

Reviewer Comments:

Rolling to WR prior to SOC based on immediate need for support.

SOC Reviewed by: (b)(6) 01/30/2012 16:28:01 CST

SOC Comments:

Sig Level 2 due to Plant Trip. Risk is high due to plant trip and challenges associated with the trip. Uncertainty is medium as the walkdown has discovered failed components in the switchyard. A root cause investigation is appropriate for this event. - (mkp 01/30/2012)

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Close to WR generated outside of SOC. ZINWR 1/30/12

Assignments

Assign #:	01	Assigned To:		Status:	AWAIT/C
Aff Fac:	Byron	Prim Grp:	ACAPALL	Due Date:	02/04/2012
Assign Type:	TRKG	Sec Grp:		Orig Due Date:	
Priority:					
Schedule Ref:					
Unit Condition:					
Subject/Description:	U-2 TRIP SAT C-PHASE FOUND OPEN				