

NRR-PMDAPEm Resource

From: Feintuch, Karl
Sent: Friday, February 10, 2012 1:50 PM
To: Browning, Tony; Byrne, Thomas; Jack Gadzala; Craig D Sly
Cc: Ring, Mark; Haeg, Lucas; Murray, Robert; Riemer, Kenneth; Krsek, Robert; Barclay, Kevin
Subject: Operating Experience regarding Byron Loss-of-offsite-power event - Duane Arnold notification; Dominion Fleet notification
Attachments: EN 7624 Byron 2.pdf

A short time ago I distributed files to you pertaining to a Byron event. The attached file *EN 7624 Byron 2.pdf* replaces file *EN 7624 Byron.pdf*.

Please advise others to whom you distributed the original information.

Hearing Identifier: NRR_PMDA
Email Number: 268

Mail Envelope Properties (4FFCA0F0F7657F428D1AF69C06EB598B0A7A453675)

Subject: Operating Experience regarding Byron Loss-of-offsite-power event - Duane Arnold notification; Dominion Fleet notification
Sent Date: 2/10/2012 1:49:48 PM
Received Date: 2/10/2012 1:49:00 PM
From: Feintuch, Karl

Created By: Karl.Feintuch@nrc.gov

Recipients:

"Ring, Mark" <Mark.Ring@nrc.gov>
Tracking Status: None
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Tracking Status: None
"Craig D Sly" <craig.d.sly@dom.com>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

| Files | Size | Date & Time |
|---------------------|-------|----------------------|
| MESSAGE | 224 | 2/10/2012 1:49:00 PM |
| EN 7624 Byron 2.pdf | 92450 | |

Options

Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

| Power Reactor | | | | Event Number: 47624 | | |
|---|------------|---------|-------------|--|-------------|-----------------|
| Facility: BYRON Region: 3 State: IL Unit: [] [2] [] RX Type: [1] W-4-LP,[2] W-4-LP NRC Notified By: LEO WEHNER HQ OPS Officer: JOHN KNOKE | | | | Notification Date: 01/30/2012 Notification Time: 11:39 [ET] Event Date: 01/30/2012 Event Time: 10:01 [CST] Last Update Date: 01/31/2012 | | |
| Emergency Class: UNUSUAL EVENT 10 CFR Section: 50.72(a) (1) (i) - EMERGENCY DECLARED 50.72(b)(2)(iv)(B) - RPS ACTUATION - CRITICAL 50.72(b)(2)(i) - PLANT S/D REQD BY TS 50.72(b)(3)(iv)(A) - VALID SPECIF SYS ACTUATION | | | | Person (Organization): JAMNES CAMERON (R3DO) CYNTHIA PEDERSON (R3) BRUCE BOGER (ET) JEFFERY GRANT (IRD) SIL MOUVONE (DOE) DEBBY HASSEL (DHS) LOU BURCKANT (FEMA) SAM WILLIS (HHS) MIKE BEVERLY (USDA) | | |
| Unit | SCRAM Code | RX CRIT | Initial PWR | Initial RX Mode | Current PWR | Current RX Mode |
| 2 | A/R | Y | 100 | Power Operation | 0 | Hot Standby |

Event Text

UNUSUAL EVENT DUE TO LOSS OF OFFSITE POWER GREATER THAN 15 MINUTES

At 1101 EST, Byron Unit-2 experienced a reactor trip due to RCP undervoltage. All rods fully inserted, MSIV's were manually closed and decay heat is being removed by Auxiliary Feedwater pumps running and steam leaving via atmospheric relief valves. The unit is currently in a natural circulation cooldown with the diesels supplying station emergency loads. Licensee will be cooling the plant down to Mode 5.

At 1118 EST, Byron declared an Unusual Event due to a loss of offsite power on Unit 2 from a faulted Station Auxiliary Transformer (SAT). The faulted SAT caused both 6.9 kV and 4.1 kV bus voltage to drop. Smoke was observed coming from the SAT with no visible flames being apparent. This caused bus loads to trip without a complete loss of ESF busses 241 and 242. These buses were manually disconnected from the SAT, which transferred the load to the emergency diesel generators 2A and 2B. Both diesel generators started and loaded without incident. Offsite assistance was requested from the local fire department as a precaution.

The licensee is also declaring notification for 10 CFR 50.72(b)(3)(v)(D)

Unit 1 is not being affected by this event and remains at 100% power.

The licensee has notified the NRC Resident Inspector.

* * UPDATE FROM GREG BALESTRIERI TO JOHN KNOKE AT 2119 EST ON 01/31/12 * *

"At 2000 CST on 1/31/12, Byron terminated their Unusual Event due to the Loss of Offsite Power to Unit 2. Switchyard repairs were completed and offsite power has been restored to essential busses 241 and 242 thru System Auxiliary Transformers 242-1 and 242-2. Unit 2 Emergency Diesel Generators have been shutdown."

The licensee is citing classification 10 CFR 50.72(c)(1)(iii)

The licensee has notified the NRC Resident Inspector. Notified R3DO (James Cameron), NRR EO (Louise Lund), IRD MOC (Scott Morris), DHS (Konopka) and FEMA (Hollis). Licensee may issue a press release.