

FEB 15 1996

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MEMORANDUM TO: Edward L. Jordan, Director
 Office for Analysis and Evaluation
 of Operational Data
 Frank J. Miraglia, Deputy Director
 Office of Nuclear Reactor Regulation

FROM: Stewart D. Ebnetter, Regional Administrator

SUBJECT: SUPPORTING DOCUMENTS FOR THE CATAWBA LOSS OF OFFSITE POWER
 EVENT (FEBRUARY 6 - 8, 1996)

The purpose of this memorandum is to provide you with a copy of the Region II supporting documents for the Catawba Loss of Offsite Power Event that occurred on February 6, 1996. As you know, the agency in support of this event operated in the Monitoring Phase of the Normal Mode from February 6 until February 8, 1996. The supporting documents are attached and they include the event summaries, cooldown curves, chronology and the Preliminary Notifications.

If you have questions about this information, please contact Jim Hufham at (404) 331-6674.

Attachments: As stated

cc w/atts: H. Bailey, AEOD
 R. Hogan, AEOD
 E. Weinstein, AEOD

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SIGNATURE	<i>[Signature]</i>	<i>not in team</i>									
NAME	JHufham	LReyes									
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CATAWBA NUCLEAR STATION
LOSS OF OFFSITE POWER EVENT
FEBRUARY 6 - 8, 1996

EVENT SUMMARIES

Event summary: Catawba Unit 2 auto Rx trip/turbine trip at approximately 12:30 pm on 2/6/96 following a loss of both incoming transformers. EDG 2A started and loaded (2B was out of service for scheduled maintenance). A low steam pressure safety injection followed initial plant cooldown.

RII Emergency Response Mode: Monitoring (14.30)

Licensee EAL: NOUE (12.45 2/6)

Plant Status: Catawba Unit 2 is in Mode 3 (Hot Shutdown), with no offsite power available. 2A EDG and 2B EDG loaded to the vital busses. Decay heat being removed by 2A and 2B MDAFWP (TDAFWP available), and PORVs. No indication of primary to secondary leakage (grab samples taken of SG steam spaces -1530 on 2/6), no indication of any offsite releases.

NRC RESPONSE

NRC has issued a PN late afternoon of 2/6.

	2/6 through midnight	2/7 0000 to 1200
RII IRC Manager	Skinner	Verrelli
Chronologist	Sparks	Payne
RX safety Counterpart	Carroll	Ernstes
NRC onsite coverage	Freudeburger onsite, Balmain until 1800, will return at 0600 2/7. Economos, Rapp, Miller available if needed.	Baldwin 1800 - 0600, to be relieved by Watkins at 0600 on 2/7
Emergency Response Coordinator	Hufham	Rankin
Emergency Response Assistant	Banks	Hawkes
State Liaison Officer	Henson (normal work schedule)	
PAO	Hannah (normal work schedule)	

Licensee immediate plans: Set up a Unit 1/Unit 2 cross connect so that Unit 2 can receive power to the safety busses. This work is in progress and licensee anticipates completion by midnight. Licensee is pursuing an extra skid mounted diesel generator onsite, and is in the process of acquiring additional diesel fuel onsite. Repair of one train of offsite power could occur as early as tomorrow mid-morning. Licensee plans to cooldown using natural circulation (no power to RCPs), then go on RHR cooling to reach COLD SHUTDOWN. Licensee plans to start cooldown approximately 2100 after pressurizer bubble is drawn, and will take approximately 15 hours to complete. Licensee plans to keep TSC staffed at least until NOUE is exited.

**CATAWBA NUCLEAR STATION
LOSS OF OFFSITE POWER EVENT**

2/6/96 - 2/7/96

Event Summary: Catawba Unit 2 experienced an auto Rx trip/turbine trip at approximately 12:30pm on 2/6/96 following a loss of both incoming main transformers. EDG 2A started and loaded (EDG 2B was out of service for scheduled maintenance). A low steam pressure SI followed initial plant cooldown.

RII Emergency Response Mode: Monitoring
(14:30, 2/6/96)

Licensee EAL: NOUE (12:45, 2/6/96)

Plant Status: Catawba Unit 2 entered Mode 4 at 0445 on 2/7. 2ETA ("A" train emergency bus) continues to be energized via 1A main transformer and 2ETB is energized via 1B main transformer. Both 2A & 2B EDGs are in standby. Decay heat continues being removed by the S/G PORVs with makeup being supplied by 2A and 2B MDAFWPs (TDAFWP available). Cooldown rate has been decreased to 20 °F/hr to maintain T-hot in the range of 300-350 °F while performing LTOP surveillances. Containment pressure remains slightly above TS limit. Are in LCO but will not need to vent containment if in CSD before LCO expires.

NRC RESPONSE

NRC has issued a PN late afternoon of 2/6. Updated PN at 0800, 2/7.

	2/6 through midnight	2/7 0000 to 1200
RII IRC Manager	Skinner	Verrelli
Chronologist	Sparks	Payne
RX Safety Counterpart	Carroll	Ernstes
NRC onsite coverage	Freudenburger went home at 0300, Balmain returned at 0600. Economos, Rapp, Miller are available if needed. Miller to follow up on electrical issues.	Baldwin 0300 - 1200, to be relieved by Watkins at 1200 on 2/7 to 2400.
Emergency Response Coordinator	Huffman	Rankin
Emergency Response Assistant	Banks	Hawkes
State Liaison Officer	Henson (normal work schedule)	
PAO	Hannah (normal work schedule)	

Immediate Licensee Plans: Licensee is pursuing an extra skid mounted diesel generator for onsite. All diesel tanks have been topped off and an additional tank is onsite. Plant cooldown using natural circulation is in progress, then go on RHR cooling to reach COLD SHUTDOWN. Licensee has completed cooldown to 350 °F, and LTOP testing is in progress. A Duke "root cause" investigation is in progress. On schedule to restore offsite power from the repaired 2B main transformer around noon, 2/7. Should complete cooldown by around noon on 2/8. Licensee plans to keep TSC staffed at least until NOUE is exited.

2/7/96, 7:16am

**CATAWBA NUCLEAR STATION
LOSS OF OFFSITE POWER EVENT**

2/6/96 - 2/8/96

Event Summary: Catawba Unit 2 experienced an auto Rx trip/turbine trip at approximately 12:30pm on 2/6/96 following a loss of both incoming main transformers. EDG 2A started and loaded (EDG 2B was out of service for scheduled maintenance). A low steam pressure SI followed initial plant cooldown.

RII Emergency Response Mode: Monitoring
(14:30, 2/6/96)

Licensee EAL: NOUE (12:45, 2/6/96)

Plant Status: Catawba Unit 2 entered Mode 4 at 0445 on 2/7. 2ETA ("A" train emergency bus) continues to be energized via 1A main transformer and 2ETB is energized via 1B main transformer. Both 2A & 2B EDGs are in standby. Plant is in COLD SHUTDOWN. Decay heat is being removed by both loops of RHR in Shutdown Cooling. Containment pressure remains slightly elevated and venting is performed periodically. Offsite power was restored via the repaired 2B main transformer at 0118 hours on 2/8/96. "B" train loads are being sequenced on the buss.

NRC RESPONSE

NRC has issued a PN late afternoon of 2/6. Updated PN at 0800, 2/7. Updated PN at 1700, 2/7. Final PN at 0800, 2/8.

	1200 to 2400	0000 to 1200
RII IRC Manager	Skinner	Verrelli
Chronologist	Sparks	Payne
RX Safety Counterpart	Carroll	Ernstes
NRC onsite coverage	Freudenburger, Balmain & Baldwin. Economos & Miller are available if needed.	Rapp & Watkins
Emergency Response Coordinator	Hufham	Rankin
Emergency Response Assistant	Rogers	Hawkes
State Liaison Officer	Henson (normal work schedule)	
PAO	Hannah (normal work schedule)	

Immediate Licensee Plans: Plant operators will continue to sequencing on "B" train loads to the various 6900v busses. Licensee intends to keep the Unit 2 emergency busses aligned to the crosstie from Unit 1. Repairs to the 2A main transformer will occur over the next several days. Licensee exited its NOUE at 0215 hours on 2/8/96.

2/8/96, 7:57am

CATAWBA NUCLEAR STATION
LOSS OF OFFSITE POWER EVENT
FEBRUARY 6 - 8, 1996

EVENT CHRONOLOGY

CHRONOLOGY

CATAWBA UNIT 2
"LOSS OF OFF-SITE POWER"Tuesday - February 6, 1996

- 1245 NOUE
- 1325 Resident notifies Branch Chief of the following licensee event, which occurred at approximately 12:45pm: Catawba Unit 2 lost offsite power, switchyard transformer failure, Unit 2 Rx trip from 100% power at approximately 12:30pm, safety injection actuation, 2B EDG is OOS. Licensee manned OSC and TSC, resident in TSC (Pete Balmain), Rick Baldwin in MCR. All rods inserted. Licensee removing heat with AFW and SG relief valves. 2A EDG running, carrying the "A" train loads. Unit 1 at 100%, unaffected.
- 1350 RII IRC Manager briefed regional management, EDO office and NRR management.
- 1420 Verified proper EAL (Ken Barr, RII). Licensee in process of lining up power to 2B 4160v shutdown boards.
- 1430 Deputy RA confers with ETAEOD. RII enters monitoring mode. Skinner is RS manager on ENS link, Johnson, Ernestes (RX safety), Hufham, Jay Henson notifying the States of NC and SC, Hannah is PAO, Carroll is RSCL, Sparks is chronology.
- 1505 Duke has not issued a news release (Hannah).
- 1513 Unit 2 containment cooling not yet established. Unit 2 has been on-line for 65 days.
- 1515 2B EDG running, preparing to load. Decay heat being removed by SG PORVs.
- 1520 Update from Jay Henson: 14:52 State of NC notified (Johnny James - already aware of event); 14:58 State of SC notified (Virgil Autry - already aware of event); 15:01 Courtesy call to DOE (John Merrick briefed); 15:05 FEMA contacted, all personnel in meeting, FEMA will return call; 15:08 EPA contacted (POC not available), left information with secretary, requested a return call.
- 1530 SG 2D wide range is 32.4%. No indicated primary to secondary leakage on any SGs.
- 1530 2A MDAFWP and TDAFWP are providing feedwater flow.

- 1535 Extra EDG fuel expected at 1700 today. EDG 2A loaded, EDG 2B still running, not loaded yet.
- 1537 Senior licensee individual at TSC is Jeff Forbes.
- 1540 Licensee trying to get extra diesel onsite as backup. EOP in use is ES-1.1
- 1542 Skinner read PN to Forbes. No changes.
- 1545 ES-1.1, SI Termination, Step 30a. RCS P - 2200 psia, PZR level still offscale high, no emergency injection, SG 2A NR - 55.2%, 2B NR - 60.6%, 2C NR - 45.0%, 2D NR - 1.2%. Containment P - 0.80 psig.
- 1555 Licensee is in process of repowering non-essential blackout busses, powered from the 2A and 2B EDGs (containment is from a non-essential bus).
- 1600 Preliminary cause of transformer failure was water in the isophase cooling system, causing a ground in both transformers.
- 1610 AEOD needs to be notified if RII issues a Status Summary (per Hufham).
- 1612 Blackout bus energized, containment cooling re-established, containment pressure has dropped from 0.8 to 0.6 psig.
- 1615 All state and Federal agencies are being re-contacted. State notification during the night will be made by the ERC.
- 1430 Brief from licensee at TSC: RCS P - 2147, subcooling - 48.9 F, no SI flow, SG 2A - 56.5%, 2B WR - 63.5%, 2C WR - 57.5%, 2D WR - 46.8%???. SG Press: 2A - 1124 psig, 2B - 1135 psig, 2C - 1135 psig, 2D - 1118 psig. No primary to secondary releases, or indication of offsite releases. 2B EDG is running, but has not been loaded yet.
- 1645 2B EDG now loaded with non-essential blackout bus (which provides power for containment cooling equipment)
- 1700 Water detected in the TDAFWP room. Licensee preparing to start the 2B MDAFWP.
- 1755 Once cooldown begins, estimated time to COLD SHUTDOWN is 15-20 hours. Cooldown has not begun yet.
- 1800 Electrical cross-tie complete from Unit 1 to Unit 2.
- 1805 AFW auto start signal received because of lo-lo level on 2 SGs, 2A and 2B. MDAFWP running, TDAFWP secured. Unit 2 CST level 100%.

- 1825 Bill McCollum telephoned Skinner to provide summary.
- 1840 Catawba provides HQ the 4-hour notification required on ESF actuation (AFW auto start at 1755).
- 1855 Merschoff calls, briefed by Skinner.
- 1905 Skinner briefs IRC staff
- 1920 Chuck Nodine is at TSC for licensee, stated that licensee would begin cooldown about 2000.
- 2015 2B EDG secured. Electrical cross connect is supplying power to the "B" emergency bus.
- 2035 Late entry, exceeded TS 3.6.1.4 on containment pressure > 0.3 psig at 1240.
- 2045 2ETA energized from Unit 1 main transformer, 2A EDG secured at 2003.
- 2105 Licensee updates the States, no change in plant condition.
- 2110 Initiated repair activities on the 2A and 2B main transformers.
- 2117 Exited TS 3.0.3
- 2125 Skinner brief by Bill McCollum (Site VP). Indications are that the PRT rupture disk blew when the PZR went full during initial stages of event.
- 2130 Licensee transitioned from ES-1.1 to ES-0.2. Natural Circulation. Step 7.
- 2140 Licensee is now in TS 3.6.1.4 on containment pressure >0.3, which is 36 hours to CSD (began 1240pm).
- 2145 Notified that licensee reported that 2D loop S/G PORVs were inop prior to the event.
- 2150 Licensee projects entering Mode 4 at 0730 on 2/7 (350°F)
- 2150 Licensee pursuing Temp Mod for containment vent valve, which had lost power. SG 2D PORV repaired, paperwork to be completed shortly and PORV put in service.
- 2212 2D Loop concern is PORV still not available, so could potentially see voiding in that SG if pressure drops too low. Licensee has established an $\approx 50^{\circ}\text{F/hr}$ cooldown rate.

2315 Licensee continuing to cooldown. Containment pressure stable or increasing very, very slowly. Containment air release has been moved to a lower priority. Licensee priorities: (1) restore SG steam dump capability (PORV), (2) restore power for ice condenser cooling, (3) go on S/D cooling (plans to only put one train of RHR in service because of Westinghouse bulletin on RHR pump casing warpage if both pumps are in service), (4) take steps to protect Unit 2 turbine building from freezing (space heaters), (5) containment air release.

Licensee intent is to scavenge parts from one main transformer for use on the other transformer.

2355 2D SG PORV available, licensee will slowly put inservice.

Wednesday - February 7, 1996

0015 Informed that loss of Unit 2 main transformers was due to a moisture inleakage in the potential transformers for each main transformer. Suspect melting ice as the culprit.

0040 Duke Engineering has completed an evaluation of the Unit 1 transformers and found no evidence of moisture in its system. Appears not to have problems similar to Unit 2.

0050 Catawba updated state and county agencies on event status. Counties notified include: York, Gaston, and Mecklenburg. States and counties agreed to a four hour update frequency. Last update was at 2055, 2/6.

0300 R. Baldwin relieved R. Freudenburger as onsite resident.

0445 Unit 2 entered Mode 4. Cooldown rate decreased to $\approx 20^{\circ}\text{F/hr}$ to maintain RCS T-hot temperature in the range of $300\text{-}350^{\circ}\text{F}$ while performing surveillances on LTOP.

0447 Catawba provided four hour update on plant status to state and county agencies.

0600 P. Balmain arrived onsite for shift.

0620 B. McCollum briefed Verrelli on plant status and future plans. Cooldown has been halted until LTOP testing is complete. Plan to have LTOP testing complete around 0730, 2/7. Will then proceed $< 300^{\circ}\text{F}$ and put RHR in service. Still on schedule for repairing 2B main transformer with scavenged parts around noon today. A Duke "Significant Events Investigation" team has been assembled and will be looking into the circumstances of the event. A "root cause" investigation is on going.

0653 Unit 2 completed LTOP testing. Lining up for RHR shutdown cooling.

- 0733 Catawba has conducted shift turnover in the TSC. Cy Ballinger is new licensee contact.
- 0749 Verrelli briefed RII management on event status. Decided to send additional personnel to the site to followup on the event.
- 0815 "B" RHR pump is running in preparation for starting cooldown on SDC. ("B" selected over "A" due to better seals). Preparations are being made to vent containment.
- 0820 Verrelli briefed HQ personnel on event status.
- 0830 J. Henson contacted state personnel from NC & SC and provided updated information. NRC PNs FAXed to both state POCs. Federal agencies (FEMA, DOE, EPA) contacted and provided update.
- 0841 Catawba provided four hour update on plant status to state and county agencies.
- 0856 "B" RHR placed in service to cool down RCS to COLD SHUTDOWN.
- 0941 LTOP placed in service.
- 1025 Informed that repairs on 2B main transformer are progressing slower than planned. Now expect to restore offsite power thru the 2B transformer around 3:00p, 2/7.
- 1033 Unit 2 containment venting in progress. Normal venting process is not being used due to a blower in the system being de-energized. The discharge is via a flow path through HEPA filters without the aid of a discharge blower. This process will extend depressurization time period.
- 1035 Licensee provided 4 hour update to state and county agencies.
- 1115 Rankin, ERC coordinated with Joe Gitter and Rick Hasselberg of AEOD regarding plans for standing down from monitoring mode in RII IRC. Decision is a RII judgement call, in coordination with AEOD, based on plant conditions. Current RII/AEOD planning is to relook at deactivation once Unit 2's 2B main transformer is restored to service for approximately one hour to ensure reliable power from offsite.
- 1220 RII plans to send Christensen and MacDonald on Thursday to the site.
- 1405 Licensee is still in process of bringing back 2B transformer. Estimate of completion not available yet.
- 1415 2B RHR pump seal leak is now zero. Licensee still evaluating estimate of 2B transformer return to service.

- 1420 Licensee is initiating a SEIT (Significant Event Investigation Team). An INPO representative, who is the Operations Manager from Seabrook on loan to INPO, will participate on the SEIT.
- 1423 News release from Duke Power received in IRC.
- 1427 Licensee makes followup notification to states.
- 1450 Discussion with Bill McCollum, 2B main transformer work in progress, almost complete with the physical work.
- 1500 Licensee plans to place other RHR train in service after MODE 5 is entered.
- 1630 Contacted Fred Burrows of NRR, provided information to support RII effort, and informed to make travel plans to the site.
- 1631 State of SC sent personnel to site to perform monitoring, based on direct measurements, soil and vegetation sample, and two air samplers - no radiation above normal background levels detected. Personnel have now left the site. Henson has updated state personnel.
- 1655 Update of PN read to licensee (Operations Superintendent).
- 1700 Updated PN is being issued.
- 1710 After finishing work on 2B transformer, licensee plans to energize it at approximately midnight. Will run the transformer for an approximate two hour time period to check proper operation of isophase duct cooling (condensation). Licensee also will conduct high potential testing on one Potential Transformer prior to energizing the 2B main transformer. Transformer vendor will conduct an independent evaluation of root cause investigation (later). Based on root cause, will look at Unit 1 transformers. Will start work on 2A transformer afterwards (two insulators are onsite, are searching for a third).
- 1720 Mode 5 entered at 1702. Attempting to put in service 2A RHR, all required boron injection flow paths verified, containment release still in progress. Licensee will backfeed from Unit 1 to isophase duct fans, for 2 hours, to ensure proper operation of isophase cooling.
- 1816 Licensee updates state and county agencies.
- 1828 Licensee plans to take Unit 2 to 160°F and 75 psig.
- 1840 Licensee informed the IRC that 2A RHR loop was placed in service in the cooldown mode at 1825, 2B RHR loop is still in service.
- 1912 IRC confirmed with licensee that they are no longer pursuing efforts to

use a skid mounted diesel generator, however, one is available and can be brought onsite if needed.

- 1930 Containment release terminated at 1754. Containment pressure under control.
- 2030 Unit 2 at 168°F, 345 psig, stable, containment pressure is 0.65 psig. Red tags are being cleared on 2B main transformer. Licensee will then start isophase bus cooling fans for 2 hour period, then power up the 2B main transformer.
- 2040 Isophase bus duct cooling path is: Unit 1 transformer 1STXS to 2SLXC to 2TC to 2LXG to 2MXM (backfeed arrangement).
- 2045 Licensee has exited natural circ cooldown emergency procedure, going to normal cooldown procedure.
- 2200 Licensee is still clearing paperwork, and then will start isophase bus duct cooling fans. Containment pressure is 0.7 psig, licensee plans to take action when pressure is 0.9 psig.
- 2235 Started isophase bus duct cooling fans. Plan to run fans for approximately 2 hours prior to energizing 2B transformer.
- 2353 Licensee reported that they plan to energize the 2B main transformer within the hour.

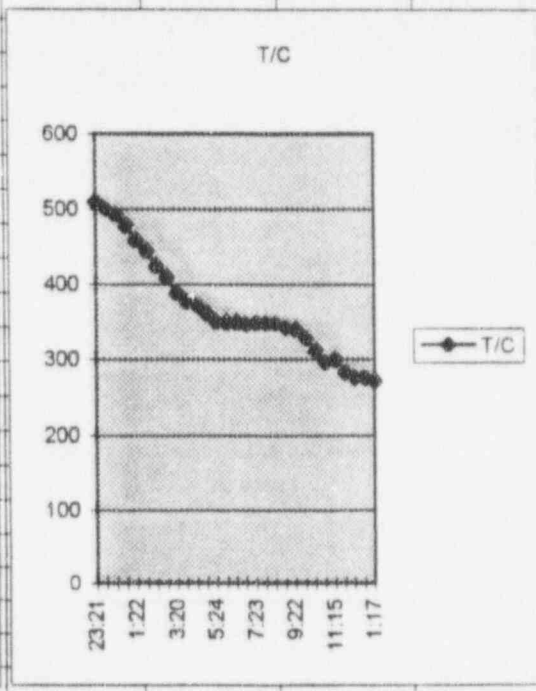
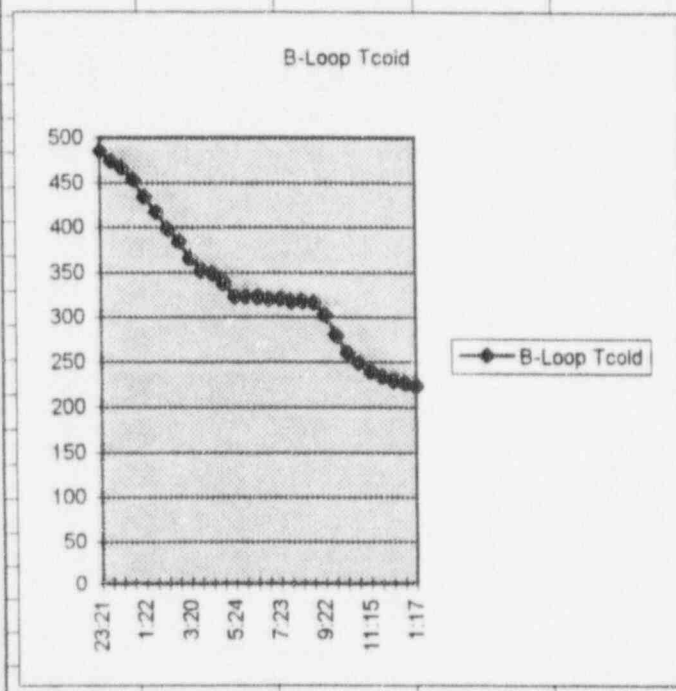
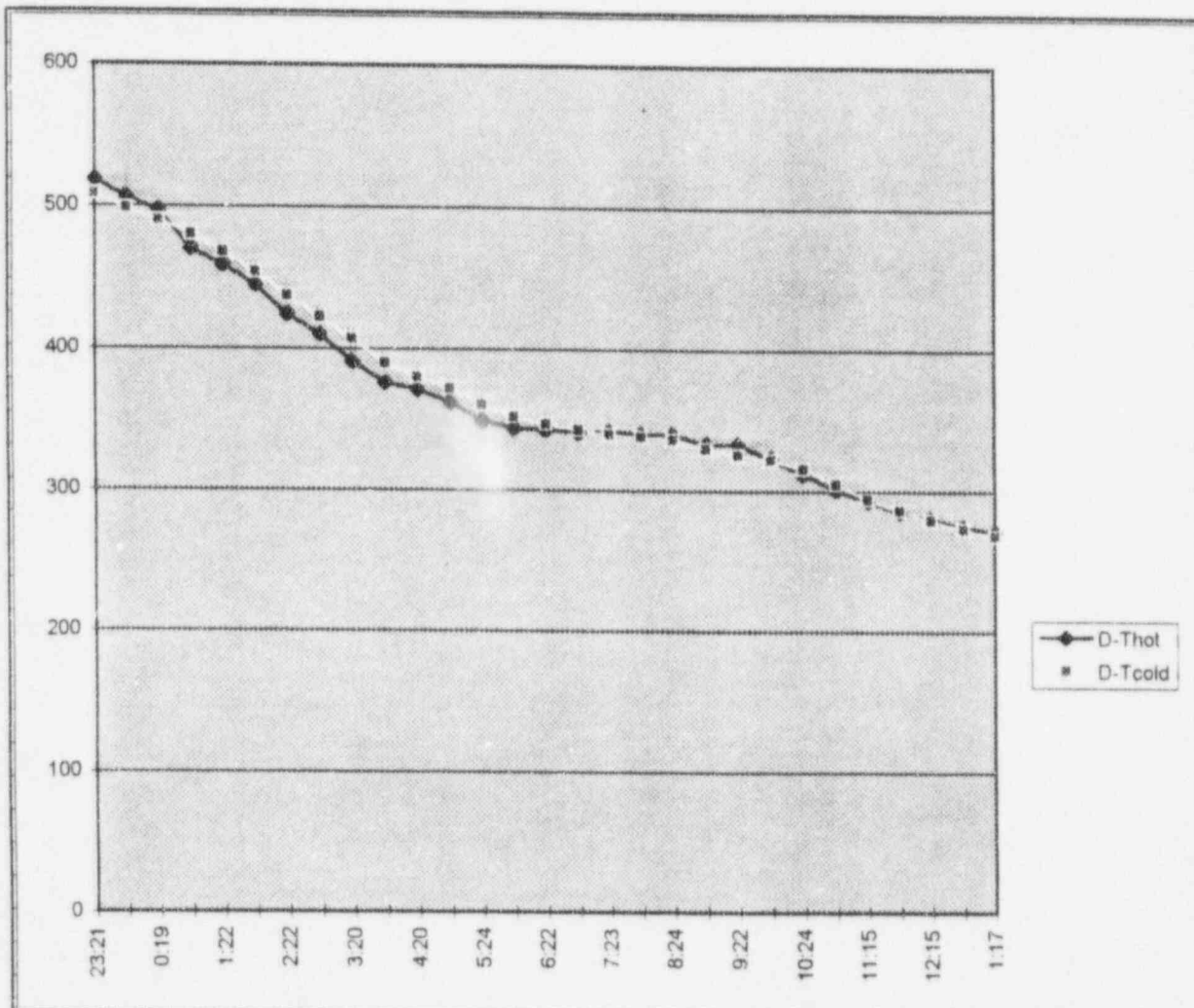
Thursday - February 8, 1996

- 0058 Licensee reported readiness to energize the 2B main transformer.
- 0118 2B main transformer is energized.
- 0122 6900v busses have been energized (2TA, 2TB, 2TD, and "B" train main loads). 600v load centers 2LXC and 2LXD have also been energized to power vital auxiliary equipment for the 2B main transformer.
- 0132 Licensee reported that containment pressure was 0.83 psig. Are planning to perform a normal containment vent to lower pressure at around 0300 hours.
- 0152 Licensee commenced venting Unit 2 containment (earlier than planned).
- 0200 Licensee made its four hour followup notification to the state and county agencies.
- 0215 Licensee terminated NOUE.
- 0730 Verrelli briefed regional management on the status of site activities.

- 0735 Verrelli briefed AEOD on the status of site activities. AEOD had no objections to securing from "Monitoring" mode.
- 0745 C. Christensen arrived onsite to begin following licensee corrective plans and activities.
- 0800 IRC secured from "Monitoring" mode. AEOD informed. Final PN issued.

CATAWBA NUCLEAR STATION
LOSS OF OFFSITE POWER EVENT
FEBRUARY 6 - 8, 1996

COOLDOWN CURVES



CATAWBA NUCLEAR STATION
LOSS OF OFFSITE POWER EVENT
FEBRUARY 6 - 8, 1996

PRELIMINARY NOTIFICATIONS

February 7, 1996

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-II-96-006A

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by Region II staff (Atlanta, Georgia) on this date.

Facility

Duke Power Co.
Catawba 2
York, South Carolina
Dockets: 50-414

Licensee Emergency Classification

X Notification of Unusual Event
Alert
Site Area Emergency
General Emergency
Not Applicable

Subject: LOSS OF OFFSITE POWER

Catawba Unit 2 continues recovery actions following the loss of both main transformers and a trip from 100 percent power event which occurred at approximately 12:30 p.m. on February 6, 1996. Unit 2 is proceeding toward cold shutdown with Mode 4 Hot Shutdown achieved at 4:45 a.m. on February 7, 1996. An electrical cross connect from Unit 1 is supplying power to Unit 2 emergency busses and both 2A and 2B emergency diesel generators are in standby. Decay heat continues to be removed by the 2A and 2B motor driven auxiliary feed water pumps with a current cooldown rate of approximately 20 degrees F. per hour. Containment pressure remains slightly above TS limits.

The licensee's preliminary evaluation indicates the loss of both Unit 2 main transformers was due to water leakage into the potential transformers from melting ice. Repairs are underway to the Unit 2 B main transformer in order to restore one train of offsite power.

The NRC continues to monitor recovery actions closely. Resident Inspectors continue to provide support onsite and the RII Incident Response Center remains staffed and in the monitoring mode.

The States of South and North Carolina, as well as York, Mecklenburg, and Gaston counties, are being updated by the licensee on four-hour intervals on the progress of recovery actions.

This information is current as of 7:00 a.m. on February 7, 1996.

Contact: D. VERRELLI
(404)331-5089

February 7, 1996

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-II-96-006B

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by Region II staff (Atlanta, Georgia) on this date.

Facility

Duke Power Co.
Catawba 2
York, South Carolina
Dockets: 50-414

Licensee Emergency Classification

X Notification of Unusual Event
Alert
Site Area Emergency
General Emergency
Not Applicable

Subject: LOSS OF OFFSITE POWER

This is the second update to the February 6, 1996, Catawba Unit 2 reactor trip following a loss of the main transformer configuration.

Currently, Unit 2 is approximately 200 degrees F with Residual Heat Removal Train B being utilized for decay heat removal/cooldown. The Unit 2 emergency electrical busses are still being supplied via their respective Unit 1 electrical cross-connects, and emergency diesel generators 2A and 2B are in standby. Repairs to the 2B main transformer are essentially complete. The return of offsite power via the 2B transformer and exit from the unusual event, are pending the licensee's evaluation of vendor recommendations.

The NRC continues to monitor recovery actions closely. Additional NRC personnel have been dispatched to the site. Resident Inspectors continue to provide support onsite and the RII Incident Response Center remains staffed and in the monitoring mode.

The licensee issued a press release which stated that repairs necessary to bring the unit back into operation were being made, including filtered, monitored releases from the containment.

The States of South and North Carolina, as well as York, Mecklenburg, and Gaston counties, are being updated by the licensee on four-hour intervals on the progress of recovery actions.

This information is current as of 4:00 p.m., on February 7, 1996.

Contact: P. SKINNER
(404)331-5089

February 8, 1996

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-II-96-006C

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by Region II staff (Atlanta, Georgia) on this date.

Facility

Duke Power Co.
Catawba 2
York, South Carolina
Dockets: 50-414

Licensee Emergency Classification

X Notification of Unusual Event
Alert
Site Area Emergency
General Emergency
Not Applicable

Subject: LOSS OF OFFSITE POWER

At 2:15 a.m., on February 8, 1996, Catawba Unit 2 exited the Unusual Event after establishing offsite power via the 2B main transformer.

Currently, Unit 2 is in cold shutdown. The Unit 2 emergency electrical busses are still being supplied via their respective Unit 1 electrical cross-connects, nonvital loads are being supplied by the 2B main transformer, and emergency diesel generators 2A and 2B are in standby. The licensee is now focusing attention on repairing the 2A main transformer.

The NRC response team is onsite to follow up this event. The RII Incident Response Center secured from monitoring mode at 8:00 a.m.

The States of South and North Carolina, as well as York, Mecklenburg, and Gaston counties, have been notified.

This information is current as of 8:00 a.m., on February 8, 1996.

Contact: VERRELLI, DAVID
(404)331-5535

February 6, 1996

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-II-96-006

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by Region II staff (Atlanta, Georgia) on this date.

Facility

Duke Power Co.
Catawba 2
York, South Carolina
Dockets: 50-414

Licensee Emergency Classification

X Notification of Unusual Event
Alert
Site Area Emergency
General Emergency
Not Applicable

Subject: LOSS OF OFFSITE POWER

On February 6, 1996, at approximately 12:30 p.m., an unusual event was declared after Catawba Unit 2 tripped from 100 percent power following a loss of both incoming transformers. Emergency Diesel Generator (EDG) 2A started and loaded as required (EDG 2B was out of service for scheduled maintenance) and a low steam pressure safety injection subsequently followed initial plant cooldown.

Currently, Unit 2 is in Hot Shutdown; the safety injection has been terminated; decay heat is being controlled with auxiliary feedwater and steam generator power operated relief valves; EDG 2B has been returned to service with preparations for loading underway. The licensee continues to man its Technical Support Center and Operation Support Center to facilitate recovery activities.

The NRC resident inspectors were on site, responded to the trip, and continue to closely monitor the recovery activities. The Region II Incident Response Center entered monitoring mode at 2:30 p.m.

The States of North Carolina and South Carolina have been notified. A press release is not planned by the licensee, but they will respond to inquiries.

This information is current as of 3:20 p.m., on February 6, 1996.

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