

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8709100036 DOC. DATE: 87/08/31 NOTARIZED: NO DOCKET #
 FACIL: STN-50-528 Palo Verde Nuclear Station, Unit 1, Arizona Public 05000528
 AUTH. NAME AUTHOR AFFILIATION
 BRADISH, T. R. Arizona Nuclear Power Project (formerly Arizona Public Serv
 HAYNES, J. G. Arizona Nuclear Power Project (formerly Arizona Public Serv
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 87-023-00: on 870802, channel check for ex-core linear
 power Channel C was not performed. Caused by personnel error.
 Control room operator counseled on proper surveillance test
 performance. W/870831 ltr.

DISTRIBUTION CODE: IE22D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 5
 TITLE: 50.73 Licensee Event Report (LER), Incident Rpt, etc.

NOTES: Standardized plant.

05000528

| | RECIPIENT ID CODE/NAME | COPIES LTTR ENCL | RECIPIENT ID CODE/NAME | COPIES LTTR ENCL |
|-----------|---------------------------|---------------------|---------------------------|---------------------|
| | PD5 LA | 1 1 | PD5 PD | 1 1 |
| | LICITRA, E | 1 1 | DAVIS, M | 1 1 |
| INTERNAL: | ACRS MICHELSON | 1 1 | ACRS MOELLER | 2 2 |
| | AEOD/DOA | 1 1 | AEOD/DSP/NAS | 1 1 |
| | AEOD/DSP/ROAB | 2 2 | AEOD/DSP/TPAB | 1 1 |
| | DEDRO | 1 1 | NRR/DEST/ADS | 1 0 |
| | NRR/DEST/CEB | 1 1 | NRR/DEST/ELB | 1 1 |
| | NRR/DEST/ICSB | 1 1 | NRR/DEST/MER | 1 1 |
| | NRR/DEST/MTB | 1 1 | NRR/DEST/PSB | 1 1 |
| | NRR/DEST/RSB | 1 1 | NRR/DEST/SGB | 1 1 |
| | NRR/DLPQ/HFB | 1 1 | NRR/DLPQ/QAB | 1 1 |
| | NRR/DOEA/EAB | 1 1 | NRR/DREP/RAB | 1 1 |
| | NRR/DREP/RPB | 2 2 | NRR/PMAS/ILRB | 1 1 |
| | REG FILE 02 | 1 1 | RES DEPY GI | 1 1 |
| | RES TELFORD, J | 1 1 | RES/DE/EIB | 1 1 |
| | RGN5 FILE 01 | 1 1 | | |
| EXTERNAL: | EG&G GROH, M | 5 5 | H ST LOBBY WARD | 1 1 |
| | LPDR | 1 1 | NRC PDR | 1 1 |
| | NSIC HARRIS, J | 1 1 | NSIC MAYS, G | 1 1 |

NOTES: 1 1

LICENSEE EVENT REPORT (LER)

| | | | | | | | | | | | | | | | | |
|--|--------|-----------|--|-------------------|--|------------------------------------|--------|-----------|--------------------------------------|---|--|--|-----|----------------------|--|--|
| FACILITY NAME (1) Palo Verde Unit 1 | | | | | | | | | | DOCKET NUMBER (2) 0 5 0 0 0 5 2 8 1 | | | | PAGE (3) 1 OF 0 3 | | |
| TITLE (4) Channel Check Not Performed Due To Personnel Error | | | | | | | | | | | | | | | | |
| EVENT DATE (5) 0 8 2 8 7 8 7 | | | LER NUMBER (6) 0 0 0 8 3 1 8 7 | | | REPORT DATE (7) 0 0 0 8 3 1 8 7 | | | OTHER FACILITIES INVOLVED (8) N/A | | | | | | | |
| MONTH DAY YEAR | | | YEAR | | | MONTH DAY YEAR | | | FACILITY NAMES | | | | | | | |
| 0 8 | | | 2 8 7 | | | 0 0 0 8 3 1 8 7 | | | N/A | | | | | | | |
| OPERATING MODE (9) 1 | | | THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11) | | | | | | | | | | | | | |
| POWER LEVEL (10) 11010 | | | 20.402(b) | | | 20.406(c) | | | 60.73(a)(2)(iv) | | | 73.71(b) | | | | |
| | | | 20.406(a)(1)(i) | | | 60.38(c)(1) | | | 60.73(a)(2)(v) | | | 73.71(c) | | | | |
| | | | 20.406(a)(1)(ii) | | | 60.38(c)(2) | | | 60.73(a)(2)(vii) | | | OTHER (Specify in Abstract below and in Text, NRC Form 368A) | | | | |
| | | | 20.406(a)(1)(iii) | | | X 60.73(a)(2)(i) | | | 60.73(a)(2)(viii)(A) | | | | | | | |
| | | | 20.406(a)(1)(iv) | | | 60.73(a)(2)(ii) | | | 60.73(a)(2)(viii)(B) | | | | | | | |
| | | | 20.406(a)(1)(v) | | | 60.73(a)(2)(iii) | | | 60.73(a)(2)(ix) | | | | | | | |
| LICENSEE CONTACT FOR THIS LER (12) | | | | | | | | | | | | | | | | |
| NAME Thomas R. Bradish, Compliance Supervisor | | | | | | | | | | TELEPHONE NUMBER 6 1 0 2 3 1 9 3 - 3 5 3 1 | | | | | | |
| COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13) | | | | | | | | | | | | | | | | |
| CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NRC | | CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NRC | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| SUPPLEMENTAL REPORT EXPECTED (14) | | | | | | | | | | EXPECTED SUBMISSION DATE (15) | | MONTH | DAY | YEAR | | |
| <input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE) | | | | | | | | | | <input checked="" type="checkbox"/> NO | | | | | | |

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single space typewritten lines) (16)

On August 10, 1987, it was discovered that at 2238 MST on August 2, 1987, Palo Verde Unit 1 was in Mode 1 (POWER OPERATION) at approximately 100 percent power when a utility licensed Control Room Operator did not perform the CHANNEL CHECK for the Excore Linear Power Channel "C" during the performance of 41ST-1ZZ33 (Mode 1 Surveillance Logs). The operator believed that the Linear Power Channel "C" was not operable due to the Log Power Channel "C" being inoperable and therefore did not perform surveillance testing since surveillance testing is not required to be performed on inoperable equipment.

The root cause of the event was cognitive personnel error by the utility licensed Control Room Operator in that he did not realize that the Excore Linear Power channel would be operable with the Log Power channel inoperable.

As corrective action, the Control Room Operator was counseled on the importance of proper surveillance test performance.

Similar events were previously reported in LER's 1-86-038-00 and 1-86-041-00.

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S PDR

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO 3150-0104

EXPIRES: 8/31/88

| FACILITY NAME (1) | DOCKET NUMBER (2) | LER NUMBER (6) | | | PAGE (3) | | |
|-------------------|-------------------|----------------|-------------------|-----------------|----------|----|-----|
| | | YEAR | SEQUENTIAL NUMBER | REVISION NUMBER | | | |
| Palo Verde Unit 1 | 0 5 0 0 0 5 2 8 | 8 7 | 0 2 3 | 0 0 0 | 0 2 | OF | 0 3 |

TEXT (If more space is required, use additional NRC Form 366A's) (17)

On August 10, 1987, it was discovered that at 2238 MST on August 2, 1987, Palo Verde Unit 1 was in Mode 1 (POWER OPERATION) at approximately 100 percent power when a utility licensed Control Room Operator did not perform the CHANNEL CHECK for the Excore Linear Power (IG) Channel "C" (CHA) during the performance of 41ST-12233 (Mode 1 Surveillance Logs). The operator believed that the Linear Power Channel "C" was not operable due to the Log Power (IG) Channel "C" being inoperable and therefore did not perform surveillance testing since surveillance testing is not required to be performed on inoperable equipment. The omission of the CHANNEL CHECK was also not identified by the Assistant Shift Supervisor (utility licensed) or the Shift Technical Advisor (utility non-licensed) during the test results review for their shift. The event was discovered by a utility licensed Shift Supervisor on August 10, 1987 during a review of completed Surveillance Tests prior to transmittal to Document Control for retention.

Log Power Channel "C" was inoperable due to the meter (MTR) indicating low when running the "E" charging pump (CVCS)(CB)(P). A work control document was initiated to troubleshoot and rework the channel. No problems could be identified in the Channel "C" Log Power circuit and the channel was returned to service at 1059 MST on August 4, 1987.

During performance of the CHANNEL CHECK of the Excore Linear Power channels the operator logged the Excore Linear Power channel "C" as inoperable since the Log Power channel "C" was inoperable. At 2306 MST on August 3, 1987, the same operator again did not perform the CHANNEL CHECK on the Excore Linear Power Channel "C". The CHANNEL CHECKS were performed correctly on the following shifts at 1121 on August 3, 1987 and 1201 on August 4, 1987 demonstrating the continued operability of the channel.

The root cause of the event was cognitive personnel error by the utility licensed Control Room Operator in that he did not realize that the Excore Linear Power channel would be operable with the Log Power Channel inoperable. The Excore Linear Power channel and the Log Power channel utilize the same detector. Not performing the CHANNEL CHECK is contrary to an approved surveillance test procedure. There were no errors in the procedure that contributed to the event.

As corrective action, the Control Room Operator and the licensed operators on that shift were counseled on the importance of proper surveillance test performance. Based on the evaluation by the Unit Superintendent (utility licensed) that this event was an isolated occurrence, no further corrective action is planned.

Based on the successful completion of the shiftly surveillance tests following each of the missed CHANNEL CHECKS, as described above, the operability of the channel was demonstrated. Additionally, the minimum operable channels (3) requirement of Technical Specification was maintained. As a result, this event

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO 3150-0104
EXPIRES: 8/31/88

| FACILITY NAME (1) | DOCKET NUMBER (2) | LER NUMBER (6) | | | PAGE (3) | | |
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| | | YEAR | SEQUENTIAL NUMBER | REVISION NUMBER | | | |
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| Palo Verde Unit 1 | 0500052887 | 0 | 2 | 3 | 0 | 3 | OF 03 |

TEXT (If more space is required, use additional NRC Form 365A's) (17)

had no effect on the health and safety of the public. There were no unusual characteristics of the work location that contributed to the event. There were no automatic or manual safety system responses during the event. There were no structures, systems, or components inoperable prior to the event, other than described above, which contributed to the event.

Similar events were previously reported in LER's 1-86-038-00 and 1-86-041-00. These previous events involved Radiation Protection Technicians. The corrective action would not have prevented this event as counseling was performed in a different department and a procedural change made to appropriate Radiation Protection Department procedures.



Arizona Nuclear Power Project

P.O. BOX 52034 • PHOENIX, ARIZONA 85072-2034

192-00269-JGH/TRB/JEM

August 31, 1987

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Unit 1
Docket No. 50-528
Licensee Event Report 1-87-023-00
File: 87-020-404

Dear Sirs:

Attached please find Licensee Event Report (LER) No. 1-87-023-00 prepared and submitted pursuant to 10CFR 50.73. In accordance with 10CFR 50.73(d), we are herewith forwarding a copy of the LER to the Regional Administrator of the Region V Office.

If you have any questions, please contact T. R. Bradish, Compliance Supervisor at (602) 393-3531.

Very truly yours,

J. G. Haynes
Vice President
Nuclear Production

JGH/JEM/cld

Attachment

cc: O. M. DeMichele (all w/a)
E. E. Van Brunt, Jr.
J. B. Martin
R. C. Sorenson
E. A. Licitra
A. C. Gehr
INPO Records Center

1-87-023-00
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