



P.O. Box 8 Shippingport, PA 15077-0004

> February 5, 1991 ND3MNO:3098

Beaver Valley Power Station, Unit No. 1 Docket No. 50-334, License No. DPR-66 LER 91-001-00

United States Nuclear Regulatory Commission Document Control Desk Washington, DC 20555

Gentlemen:

In accordance with Appendix A, Beaver Valley Technical Specifications, the following Licensee Event Report is submitted:

LER 91-001-00, 10 CFR 50.73.a.2.i.B, "Inoperable Delta Flux Alarm Without Alternate Monitoring".

Very truly yours.

T. P. Noonan General Manager

Nuclear Operations

DC/sl

Attachment

IEZZ

February 5, 1991
ND3MNO:3098
Page two

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Director, Safety Evaluation & Control Virginia Electric & Power Co. P.O. Box 26666 One James River Plaza Richmond, VA 23261

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J. M. Riddle NUS Operating Service Corporation Park West II Cliff Mine Road Pittsburgh, PA 15275 LICENSEE EVENT REPORT (LER)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST 80.0 NRS FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (F-530) U.S. NUCLEAR REQULATORY COMMISSION WASHINGTON DC 20805 AND TO THE FAPERWORK REDUCTION PROJECT (31"GOIDAL OFFICE OF MANAGEMENT AND BUDGET WASHINGTON DC 20805

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On 1/7/91, during routine monitoring of the plant computer log printouts, several anomalies were identified in the Power Range Excore Nuclear Instrumentation data. An investigation of the anomalies revealed that computer points for Power Range Detactor N41 and Power Range N42 Top Detector had both been removed from computer scan on 12/30/90 in accordance with a surveillance procedure. These computer points were not returned to computer scan during the performance of maintenance surveillance procedures to restore the Power Range High Nuclear Flux Reactor Trip setpoints. The removal from scan of computer point N0043A caused an erroneous value for computer point Quadrant 2 Delta Flux (U0956). Quadrant 2 Delta Flux, U0956, is used for the Delta Flux Alarm program. The Delta Flux Alarm is considered to have been inoperable for Quadrant 2 from 12/30/90 at 1104 hours to 1/7/91. Both computer points were restored to scan on 1/7/91. There were no safety implications to the public as a result of this event. The Delta Flux Alarm was operable for Power Range Detectors N41, N43 and N44. Delta Flux was recorded on 12/31/90 and 1/06/90 as a normal weekly surveillance. No abnormalities were noted for these readings.

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U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OME NO 2150-0104 EXPIRES 8/30/82

ESTIMATED BURDEN FER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST 500 HRS FORWARD COMMENTS PEGARDING BURDEY VETMATE TO THE RECORDS AND REPORTS MANAGEMENT ENANCH IF 510. U.S. NUCLEAR REQUESTORY COMMISSION, WASHINGTON, DC 20855, AND TO THE FAPERWORK REDUCTION PROJECT 3/350/3040, OFFICE OF MANAGEMENT AND BUDGET WASHINGTON, DC 20802.

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assets in required, use additional NRC Form (MEA 1) 117.

DESCRIPTION OF EVENT

On 1/7/91, during routine monitoring of the plant computer log printouts, several anomalies were identified in the Power Range Excore Nuclear Instrumentation data. An investigation of the anomalies revealed that computer points for Power Range Detector N41 (N0049A) and Power Range N42 Top Detector (N0043A) had both been removed from computer scan on 12/30/90 in accordance with a surveillance procedure. These computer points were not returned computer scan during the performance of maintenance surveillance procedures to restore the Power Range High Nuclear Flux Reactor Trip setpoints. The removal from scan of computer point N0043A caused an erroneous value for computer point Quadrant 2 Delta Flux (U0956). Quadrant 2 Delta Flux, U0956, is used for the Delta Flux Alarm program. The Delta Flux Alarm is considered to have been inoperable for Quadrant 2 from 12/30/90 at 110: nours until restoration on 1/7/91 at 1428 hours.

CAUSE OF EVENT

The cause of this event was personnel error. The Instrument and Control personnel performing the maintenance surveillance procedures to return the Power Range High Nuclear Flux Reactor Trip setpoints to the normal 100% power values during the plant startup failed to return the computer points to scan. failure to return computer point NOO49A to scan was due to misreading the restoration procedure. Computer point address N0042A was restored instead of computer point N0049A. The second computer point N0043A, was not returned to scan due to the Instrument and Control technician pressing the wrong pushbutton on the computer console.

CORRECTIVE ACTIONS

The following corrective actions have been or will be taken as a result of this event:

- The computer points N0049A and N0043A were returned to scan on 1/07/90 at 1146 hours and 1428 hours, respectively.
- The Operations Surveillance Test performed to verify operability of the Delta Flux Alarm was initiated. This surveillance test was completed satisfactorily.
- The involved Instrument and Control personnel were counseled concerning this event. This event was also reviewed by all Instrument and Control personnel at safety meetings.

NRC FORM 366A

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104 EXPIRES: 4/30/92

TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST 800 HRS. FORWARD COMMENTS RECARDING BURDEN ESTIMATE TO THE RECORDS AND REPORT? MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION WASHINGTON DC 20565, AND TO THE PAPERWORK REDULCTION PROJECT (3150-0104). OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

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

REPORTABILITY

This report is being reported to the Nuclear Regulatory Commission in accordance with 10CFR50.73.a.2.i.B, as a condition prohibited by Technical Specifications.

PREVIOUS OCCURRENCES

There were no previously reported events of this type involving operability of the Delta Flux Alarm.

SAFETY IMPLICATIONS

There were no safety implications to the public as a result of this eyent. The Delta Flux Alarm was operable for Power Range Detectors N41, N43 and N44. Delta Flux was recorded on 12/31/90 and 1/06/90 as a normal weekly surveillance. No abnormalities were noted for these readings.