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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

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LICENSEE EVENT REPORT (LER)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 600 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (F-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20545, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)
Beaver Valley Power Station Unit 1

DOCKET NUMBER (2)
0 5 0 0 0 3 3 4

PAGE (3)
1 OF 0 3

TITLE (4)
Inoperable Delta Flux Alarm Without Alternate Monitoring

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES	DOCKET NUMBER(S)
01	07	91	91	001	0	02	05	91	N/A	0 5 0 0 0
										0 5 0 0 0

OPERATING MODE (9) 1

POWER LEVEL (10) 1 0 0

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5. (Check one or more of the following) (11)

<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.408(c)	<input type="checkbox"/> 60.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)
<input type="checkbox"/> 20.408(a)(1)(i)	<input type="checkbox"/> 60.36(a)(1)	<input type="checkbox"/> 60.73(a)(2)(v)	<input type="checkbox"/> 73.71(c)
<input type="checkbox"/> 20.408(a)(1)(ii)	<input type="checkbox"/> 60.36(a)(2)	<input type="checkbox"/> 60.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 365A)
<input type="checkbox"/> 20.408(a)(1)(iii)	<input checked="" type="checkbox"/> 60.73(a)(2)(ii)	<input type="checkbox"/> 60.73(a)(2)(viii)(A)	
<input type="checkbox"/> 20.408(a)(1)(iv)	<input type="checkbox"/> 60.73(a)(2)(iii)	<input type="checkbox"/> 60.73(a)(2)(viii)(B)	
<input type="checkbox"/> 20.408(a)(1)(v)	<input type="checkbox"/> 60.73(a)(2)(iii)	<input type="checkbox"/> 60.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME: T.P. Noonan, General Manager Nuclear Operations

TELEPHONE NUMBER: 4 1 2 6 4 3 - 1 2 5 8

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
A	I	G	X X X X	X X X X	N				

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If you complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

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

On 1/7/91, during routine monitoring of the plant computer log printouts, several anomalies were identified in the Power Range Excure Nuclear Instrumentation data. An investigation of the anomalies revealed that computer points for Power Range Detector 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.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 500 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-50), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555 AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)

DOCKET NUMBER (2)

LER NUMBER (8)

PAGE (3)

Beaver Valley Power Station Unit 1

0 5 0 0 0 3 3 4 9 1 - 0 0 1 - 0 0 0 2 OF 13

TEXT (if more space is required, use additional NRC Form 366A's) (7)

DESCRIPTION OF EVENT

On 1/7/91, during routine monitoring of the plant computer log printouts, several anomalies were identified in the Power Range Excure 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 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 1101 hours 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. The failure to return computer point N0049A 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:

1. The computer points N0049A and N0043A were returned to scan on 1/07/90 at 1146 hours and 1428 hours, respectively.
2. The Operations Surveillance Test performed to verify operability of the Delta Flux Alarm was initiated. This surveillance test was completed satisfactorily.
3. 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.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

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FACILITY NAME (1) Beaver Valley Power Station Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 3 4 9 1	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		0 0 1	0 0 1	0 0 0 3	OF	0 3

TEXT (If more space 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 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.