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January 10, 1991 ND3MN0:3087

Beaver Valley Power Station, Unit No. 1 Docket No. 50-334, License No. DPR-66 LER 90-018-00

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 90-018-00, 10 CFR 50.73.a.2.iv, "Engineered Safety Features Actuation - Automatic Start of River Water Pump Due to Operator Error".

Very truly yours,

T. P. Noonan General Manager Nuclear Operations

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Attachment

January 10, 1991 ND3MNO:3087 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 January 10, 1991 ND3MNO:3087 Page three

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NRC FORM 366A

DESCRIPTION OF FVENT

On 12/11/90, with the Unit in Power Operation (Operating Mode 1) at 100% reactor power, Operations personnel were performing a surveillance test to verify operability of the "B" Frain Auxiliary River Water Pump, WR-P-9B. During the performance of this test, at 1252 hours, a low pressure automatic start of the standby River Water Pump, WR-P-1C, occurred. Since the river water pumps receive a Safety Injection Signal and are considered Engineered Safety Features (ESF) components, the automatic start of this pump on low system pressure is considered an ESF actuation.

CAUSE OF THE EVENT

The cause of the event was operator error. The operator failed to perform a step in the surveillance procedure prior to the start of WR-P=9B. The omitted step would have required the operator to position the control switch for the 9B Auxiliary River Water Pump discharge valve (MOV-RW-116B) in the "CLOSED" position. This would have kept the discharge valve shut upon the WR-P=9B pump start. With the discharge valve shut, pump flow is directed to recirculation through a flow measuring device. The operator omitted this step, resulting in the MOV-RW-116B control switch being in the "AUTO" position upon rump start. In the "AUTO" position, the discharge valve opened as designed upon the start of WR-P=9B, allowing pressure in the river water system header to decrease to the automatic standby pump start setpoint.

CORRECTIVE ACTIONS

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

- The control switch for MOV-RW-116B was placed in the "CLOSED" position and WR-P-1C was shutdown. Thu surveillance test was completed with no further problems.
- The involved operator was counseled regarding this event and the proper performance of procedures.
- 3. A Human Performance Enhancement System (HPES) evaluation is being performed on this event.

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED DMB NO. 3150-0104 EXPIRES #/30/82

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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REPORTABILITY

This event was reported to the Nuclear Regulatory Commission at 1327 hours on 12/11/90, in accordance with 10CFR50.72.b.2.ii. This written report is being submitted in accordance with 10CFR50.73.a.2.iv.

SAFETY IMPLICATIONS

There were no safety implications as a result of this event. The river water system remained fully operable at all times. The automatic pump start occurred as a result of a low pressure design feature.

PREVIOUS OCCURRENCES

There are two previously reported similar events for Beaver Valley Unit 1:

LER 88+015+00 "Automatic Start of the 1B River Water Pump"

This event involved an autom tic start of the standby pump due to low river water header pressure as a result of river water flow adjustments to the Component Cooling Water Heat Exchangers.

LER 89-005-00 "River Water Pump Automatic Start"

This event involved an automatic start of the standby pump due to low river water header pressure as a result of reach rod failure allowing a recirculation valve to be open draining pressure in the auxiliary river water system header.