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Beaver Valley Power Static	on Unit 1	1.11		_	0	15 0 0	031314	1 OF 012
Reactor Trip on Low-Low St	eam Gene	rator Le	evel D	ue to	o Personne	1 Error		
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## TEXT (If more space is miquired, use additional NRC Form 386A's) (17)

On 2/19/88, with the Unit in Cold Shutdown, steam generator (SG) draining and refilling evolutions were in progress in order to improve steam generator secondary side chemistry for plant startup. These evolutions were to take place on the daylight shift. On the midnight shift inmediately preceding the daylight shift, the reactor trip breakers were closed to support Solid State Protection System testing (Maintenance Surveillance Procedure 1.05). Following successful completion of the testing, the reactor trip breakers were left in the closed position. On the 08-16 shift, draining of the 1B SG was commenced, however, since the reactor was shutdown with control rods fully inserted, the SG draining and refilling procedure (Operating Manual Chapter 24 Procedure T, Draining and Refilling Steam Generators) was not consulted for this evolution. This procedure, if consulted, allows simulated level signals to be inserted into the SG level circuitry if draining is expected to go below the low-low level reactor trip setpoint. Simulated level signals were not installed at the time of the draining evolution. At 1222 hours, the 1B SG level drained below the low-low level reactor trip setpoint (12%), initiating a reactor trip. The reactor trip breakers opened as designed upon receipt of the reactor trip signal.

The cause for this event was personnel error. The individuals conducting the evolution had performed prior draining periods when the trip breakers were open and failed to take the additional actions needed to prevent trip breaker operation with the breakers closed.

The involved individuals were counseled to maintain proper awareness of plant status at all times and to utilize available plant procedures appropriate for the plant status during routine evolutions. Simulated level signals were inserted into the steam generator level circuitry in order to continue the draining and refilling evolutions. This event will be reviewed by all operations shift personnel at shift briefings.

There were no safety implications to the public as a result of this event. The reactor trip breakers opened as designed upon receipt of the reactor trip signal. Additionally, the shutdown and control bank rods were already fully inserted into the reactor and there were no positive reactivity additions in progress at the time of the event.

Telephone (412) 393-6000



Nuclear Group P.O. Box 4 Shippingport, PA 15077-0004

> March 18, 1988 ND3SPM:0190

Beaver Valley Power Station, Unit No. 1 Docket No. 50-334, License No. DPR-66 LER 88-002-00

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 88-002-00, 10 CFR 50.73.a.2.iv, "Reactor Trip on Low-Low Steam Generator Level Due to Personnel Error".

Very truly yours,

T. P. Noonan Plant Manager

tlu

Attachment

March 18, 1988 ND3SPM:0190 Page two

cc: Mr. William T. Russell Regional Administrator United States Nuclear Regulatory Commission Region 1 King of Prussia, PA 19406

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