

SNUPPS

Standardized Nuclear Unit
Power Plant System

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September 3, 1982

SLNRC 82-038 FILE: 0491.10.2
SUBJ: Final Report: Failure of
Westinghouse EMD Valves;
50.55(e) Report 80-6;
IE Bulletin 81-02

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Docket Nos: STN 50-482 and STN 50-483

- References:
1. SLNRC 80-54, dated November 26, 1980
 2. SLNRC 81-22, dated April 1, 1981
 3. SLNRC 81-46, dated June 19, 1981
 4. SLNRC 81-59, dated July 22, 1981
 5. SLNRC 81-125, dated November 16, 1981

Gentlemen:

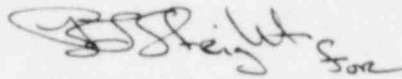
The referenced correspondence reported on a potential deficiency involving Westinghouse EMD Valves. These letters were submitted either to report a 10 CFR 50.55(e) matter or to respond to IE Bulletin 81-02 and its supplement and provide a description of the deficiency and its safety implications. The purpose of this letter is to provide the final report on this matter for the SNUPPS Utilities, Kansas Gas and Electric Company, and Union Electric Company.

The enclosure to this letter lists all the Westinghouse EMD valves in the SNUPPS design that could have been affected by the potential deficiency. These valves were listed in Reference 4 and 5 with the exception of valves 8037 A,B (presurizer relief tank drain isolation valves) which have been added to the enclosed list. Also, some refinements have been made to the Westinghouse EMD model reference numbers.

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Specific corrective action required for each valve had not been determined at the time of the previous letters. The enclosed list provides the corrective action taken or planned for each affected valve. The corrective action has been completed on all valves except three at Callaway and five at Wolf Creek. The remaining work will be completed prior to fuel loading.

Very truly yours,



Nicholas A. Petrick

RLS/mtk5a24-25

Enclosure: W EMD Valve Information

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Westinghouse EMD Valve Information

<u>Valve Function</u>	<u>Valve Location Number</u>	<u>W EMD Model Reference</u>	<u>Corrective Action (Note 1)</u>
Chg. Line Isol.	8105, 8106	3GM78FNA	B
PORV Block	8000A, B	3GM88FNB	B
BIT Isol.	8801A, B	4GM78FNA	B *
SI Pump HL Recirc. Isol.	8802A, B	4GM78FNC	C
BIT Isol.	8803A, B	4GM78FNA	B *
SI Pump Disch. Cross.	8821A, B	4GM77FHA	B
SI Pump CL Inj. Isol.	8835	4GM78FNC	C
PRT Drain Isol.	8037A, B	4GM72FBB	A
VCT Outlet	LCV 112B, C	4GM72FBA	A
CCP Suction to SI Pump Suction	8807A, B	6GM72FBA	A
CCP Suction to SI Pump Suction	8924	6GM72FBA	A
SI Pump Suction Cross.	8923A, B	6GM72FBA	A
RWST to CCP Suction	LCV 112D, E	8GM72FBA	B
RHR HX Disch. to CCP Suction	8804A	8GM74FFC	B
RHR HX Disch. to SI Suction	8804B	8GM74FFE	B
RWST to SI Pump Suction	8806A, B	8GM72FBA	B
RHR Disch. Cross.	8716A, B	10GM74FFA	A

Westinghouse EMD Valve Information

<u>Valve Function</u>	<u>Valve Location Number</u>	<u>W EMD Model Reference</u>	<u>Corrective Action (Note 1)</u>
Accumulator Disch.	8808A, B, C, D	10GM78FND	C
RHR Pump CL Inject.	8809A, B	10GM78FNC	C
RHR Suction Isolation	8701A, B 8702A, B	12GM88SFB,F	C
RWST to RHR Pump Suction	8812A, B	14GM74FFC	C
Sump Suction	8811A, B	14GM74FFD	C

Note 1

- A - Adjust the operator torque switch settings (both open and close).
- B - Change from torque control closure to limit control closure. Readjust the limit switch to provide a given stem loading plus increase the operator gear ratio.
- C - No corrective action required. As-shipped valve satisfies functional requirements.
- * - Identified in SLNRC 81-59 as meeting functional requirements. However, corrective action was judged to be prudent.

RLS/mtk5a26-27