

SNUPPS

Standardized Nuclear Unit  
Power Plant System

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Nicholas A. Petrick  
Executive Director

June 29, 1984

SLNRC 84- 0101 FILE: 0278  
SUBJ: Equipment Qualification  
Justifications for Interim  
Operation (JIO)

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

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

- References:
1. SLNRC 84-0009, dated January 27, 1984: Environmental Qualification Justifications for Interim Operation
  2. SLNRC 84-0034, dated February 23, 1984: Environmental Qualification Justifications for Interim Operation
  3. SLNRC 84-0047, dated March 21, 1984: Environmental Qualification of Mechanical Equipment
  4. SLNRC 84-0040, dated March 6, 1984: Justifications for Interim Operation - Seismic Qualification
  5. SLNRC 84-0052, dated March 27, 1984: Justifications for Interim Operation - Seismic Qualification
  6. SLNRC 84-0058, dated April 3, 1984: Justifications for Interim Operation - Seismic Qualification
  7. Safety Evaluation Report Related to the Operation of Callaway Plant Unit No.1, NUREG 0830, Supplement No.3, May 1984.

Dear Mr. Denton:

References 1 through 6 transmitted several Justifications for Interim Operation (JIOs) applicable to equipment qualification programs for the SNUPPS facilities - Callaway Plant Unit No.1 and Wolf Creek Generating Station Unit No.1. Based on the results of the NRC staff review of the JIOs, as reflected in Reference 7, additional information is required to update those JIOs associated with seismic qualification, pump and valve operability qualification and environmental qualification of the reactor coolant pump seal water injection filter. The required information is provided in the enclosures. Enclosure 1 addresses seismic qualification JIOs; enclosure 2, pump and valve operability related JIOs; and enclosure 3, the seal water injection filter JIO.

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In addition to updating (and in some cases resolving) the JIO issues for both SNUPPS plants, the enclosures provide assurance that the Callaway Plant can be operated at full power without adverse consequences to public health and safety.

Enclosure 1 contains information proprietary to Westinghouse Electric Corporation. The basis for the proprietary nature of this information is that it has been extracted from ongoing equipment qualification testing performed under the Westinghouse generic qualification program described in WCAP-8687 (Westinghouse Proprietary Class 2). The Westinghouse generic qualification program is under review by the NRC's Equipment Qualification Branch, and the proprietary nature of WCAP-8687 data has been previously recognized by the NRC staff. The enclosed proprietary information has been provided on an expedited basis to support the NRC staff review. Accordingly, it is respectfully requested that the information which is proprietary to Westinghouse be withheld from public disclosure in accordance with 10CFR Section 2.790 of the Commission's regulations.

Very truly yours,



Nicholas A. Petrick

MHF/nld/10b19

Enclosures

cc: D. F. Schnell	UE	w/o	H. Bundy	USNRC/WC	w/o
G. L. Koester	KGE	w/o	B. L. Forney	USNRC/RIII	w/o
D. T. McPhee	KCPL	w/o	E. H. Johnson	USNRC/RIV	w/o
J. Neisler/B. Little	USNRC/CAL	w/o			

The EQDP documents the successful completion of a testing program to the requirements of IEEE-323-1974 and IEEE-344-1975. The program included performance testing, mechanical aging (cycling) and vibration testing. This equipment also complies with the operability qualification provisions of SNUPPS FSAR Section 3.9(N).3.2, "Pump and Valve Operability Assurance". Therefore, although the JIO will remain in effect until the SNUPPS review program is completed, the operability qualification of HE-9 valves in accordance with the SNUPPS FSAR has been demonstrated.

HE-10A, Head Vent System: Solenoid Operated Isolation Valve; HE-10C, Head Vent System: Modulating Valve (JIOs submitted by SLNRC 84-0009, 1/27/84)

The original JIOs for these valves were Westinghouse draft Equipment Qualification Data Packages (EQDP). These EQDPs have been issued by Westinghouse in final form, dated May 1984. Copies of the EQDPs are attached. The EQDPs document successful completion of testing programs to the requirements of IEEE-323-1974 and IEEE-344-1975. The programs included performance testing, mechanical aging (cycling) and vibration testing. HE-10A, C valves also comply with the operability qualification provisions of SNUPPS FSAR Section 3.9(N).3.2, "Pump and Valve Operability Assurance". Therefore, although the JIO's remain in effect until the SNUPPS review program is completed, the operability qualification of HE-10A and HE-10C valves in accordance with the SNUPPS FSAR has been demonstrated.

Limiterque Valve Operators, Specifications: M-223A, M-223C, M-224B, M-225, M-231C, M-236, M-237, W(HE-1) (JIO submitted by SLNRC 84-0009, 1/27/84)

The JIO documents a concern regarding lack of qualification pre-aging of limit switch rotors used in Limitorque motor operators. The JIO discusses SNUPPS plans to replace the limit switch rotors with new rotors made of a "fibrite" material. The JIO also notes that qualification data for the fibrite rotors is not available to the SNUPPS Utilities. However, as described in HE-1 above, because of procurement problems identified since the Limitorque JIO was issued, the SNUPPS Utilities have accepted valve operators qualified under Westinghouse program HE-1. Fibrite limit switch rotors have been qualified by Westinghouse in the HE-1 test program. As discussed relative to program HE-1 above, the HE-1 Equipment Qualification Data Package (EQDP) documents the successful completion of a testing program to the requirements of IEEE-323-1974 and IEEE-344-1975. Therefore, fibrite limit switch rotors have been pre-aged, as required by IEEE-323-1974, during the qualification program. The installation of fibrite limit switch rotors in the Limitorque valve operators identified in the original JIO has been completed at both SNUPPS plants. Therefore both the environmental concern which required development of a JIO and any related operability concerns have been resolved. However, the JIO will remain in effect until the HE-1 JIO, discussed above, has been terminated.