SNUPPS

Standardized Nuclear Unit
Power Plant System

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March 6, 1984

Nicholas A. Petrick
Executive Director

SLNRC 84- 0040 FILE: 0278
SUBJ: Justifications for Interim Operation - Seismic Qualification

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

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

References: 1. SLNRC 84-0009, dated January 27, 1984: Environmental Qualification Justifications for Interim Operation
2. 10CFR 50.49

Dear Mr. Denton:

An analysis has been made for the SNUPPS facilities (Callaway Plant and Wolf Creek Generating Station) to insure that the plants can be safely operated pending completion of equipment seismic qualifications. Attached are Justifications for Interim Operation (JIO's) for equipment whose qualification programs are needed but which may not be completed by fuel load at Callaway.

JIO's are included for the following programs: ESE-13, ESE-47, ESE-56A, HE-10B, J-110, M627A, Operator Interface Modules, and Cutler-Hammer push-button assemblies. Also, Reference 1 transmitted four JIO's which involve seismic qualification programs. These are ESE-40, ESE-43, ESE-44 and HE-7.

Final resolution of the issues for which the above JIO's are required is expected by March 31,1985. This date is consistent with the completion date for environmental qualification JIO's in Reference 2 and is a few months past the planned start of commercial operation of the Callaway Plant.

Very truly yours,

NAPetrick

Nicholas A. Petrick

MHF/nld9a3
Attachments

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SNUPPS
Interim Justification Position for the
Seismic Qualification of the
7300 Process Protection System
(ESE-13)

Westinghouse is presently evaluating the results of supplemental abnormal environment and seismic testing recently completed. This supplemental testing was performed at several seismic levels, the last of which would upgrade the seismic qualification of the 7300 process protection system to a level above that required for SNUPPS and to perform initial testing of some recently developed cards. With the exception of the NPC (Potentiometer), NRC (Relay), NQP (Quad Loop Power Supply), NMT (Master Test), NAI (Annunciator Interface), NTD (Tracking Driven), NCH (Function Generator) and NSC (Signal Converter) cards, seismic qualification for SNUPPS was documented by previous testing. (See enclosed EQDP-ESE-13). During the supplemental testing, the following were observed:

a. The NRC, NQP, NMT and NAI cards demonstrated proper operation during seismic tests.

b. The NPC, NCH, NSC, and NTD cards and cabinet power supply exhibited errors which could result in minor changes in system accuracy. These errors are presently under evaluation by Westinghouse in order to determine the nature of the problem and the exact effect on the system.

Although tested previously, the NTC (Temperature Channel Test) card exhibited contact bounce during this recent testing and the result has been evaluated and reported as a 10CFR Part 50.55(e) issue to the NRC on June 2, 1983. Refer to letter SLNRC 83-039 of July 21, 1983. SNUPPS has this NTC card in the Overtemperature and Overpower delta T channels. This intermittent signal may cause saturation of downstream RTD amplifier (NRA) cards and could possibly prevent a trip from occurring on demand. Until a permanent resolution is prepared, a Field Change Notice has been issued for Callaway which will provide a method of bypassing these

relays when in normal operation. Since these relays are only used to ease periodic testing of the channels, this interim modification will not interfere with plant operation.

All testing, including preparation of test reports, is scheduled for completion by July 1984.

ESE-13 equipment is located in mild environment areas of the SNUPPS plants.