

SNUPPS

Standardized Nuclear Unit
Power Plant System

5 Choke Cherry Road
Rockville, Maryland 20850
(301) 869-8010

Nicholas A. Petrick
Executive Director

October 16, 1984

SLNRC 84-0123 FILE: 0278
SUBJ: Seismic Qualification of
Operator Interface Modules
(ESE-12A)

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

Docket Nos: STN 50-483

Reference: 1. SLNRC 84-0101, dated July 29, 1984: Same Subject
2. SLNRC 84-0120, dated October 9, 1984: Same Subject

Dear Mr. Denton:

This letter contains further information regarding the seismic qualification program applicable to the Operator Interface Modules (ESE-12A) at Callaway Plant Unit No. 1 and supplements information provided in References 1 and 2.

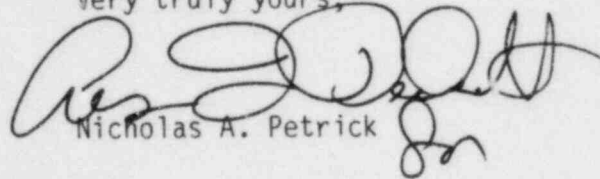
The OIM's were qualified seismically to the generic Westinghouse control board RRS as shown in Figure 2 of the interim justification provided. The OIM module housing assembly was mounted on the test fixture using rear mounting bracket and set screws specified by WIED in Westinghouse Drawing 1660D41. The screws were of No. 8-32 size. They were tightened to be snug only with a maximum torque of 6.00 in-lbs. A rigid test fixture was used to minimize the amplification of attenuation of the input below 33 Hz. The test fixture was bolted to the 8' by 8' Magnesium Biaxial Shake Table which is hydraulically actuated. The OIM cards were attached to the module housing assembly by Tinnerman Clips (supplier No. C6187-42-1 as specified by WIED in Westinghouse Drawing 742A805) using 4-40 screws. These are high carbon steel screws and were tightened to be snug only with a maximum torque of 4.00 in-lbs. Electrical connections were per multi-conductor cables terminating at the OIMs in dual-contact card edge connectors.

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The installation of the OIM circuit board mounting clips is complete and verification of calibration or re-calibration is in progress and will be completed October 16, 1984.

Since confirmation of traceability could not be adequately documented, Westinghouse has initiated an effort to provide this documentation and demonstrate that the devices are identical to that tested. Westinghouse and Union Electric will determine by November 15, 1984 whether this can be accomplished. It is our expectation that the OIM's for Callaway were built under the same manufacturing processes as the test units. Should it be necessary, replacement modules will be ordered and installed within 30 days of delivery (40 week estimated delivery time).

Very truly yours,



Nicholas A. Petrick

SLA/nld6a25&26

cc: G. L. Koester	KGE
J. M. Evans	KCPL
D. F. Schnell	UE
J. Neisler/B. Little	USNRC/CAL
H. Bundy	USNRC/WC
W. L. Forney	USNRC/RIII
D. R. Hunter	USNRC/RIV