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RECIP.NAME RECIPIENT AFFILIATION
SCHWENCER,A. Licensing Branch 2

SUBJECT: Responds to request for results of reassessment of siesmic & dynamic qualification of individual NSSS equipment per SER item 3.1.0.3.Results of each assessment method on equipment items listed.

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JUL 29 1982

Mr. A. Schwencer, Chief
Licensing Branch No. 2
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION
NEW LOAD ADEQUACY EVALUATION REVISED
BUILDING SPECTRA ASSESSMENT
SER ITEM 3.10.3
ER 100450 FILE 841-2 Docket Nos. 50-387
PLA-1221 50-388

Dear Mr. Schwencer:

This letter is provided in response to your request for the results of the reassessment of the seismic and dynamic qualification of each individual NSSS equipment. Below find a tabulation listing each individual equipment item, the assessment methodology utilized, and results. Based upon the revised response spectra assessment, the existing basemat spectra was bounded and, therefore, no equipment on the basemat was evaluated.

Equipment	Assessment Method	Results
1) Local Panels (MPL-H23)	Enveloped and combined the revised building response spectra and performed a comparison with Test Response Spectra (TRS) and high-frequency cutoff curve. Also showed ZPA x transmissibility less than tested capability.	Acceptable
2) Refueling Platform New Fuel Storage Racks* Fuel Prep Machine*	Combined the revised building response spectra and performed a comparison against the original design basis spectra.	Acceptable
3) RHR Heat Exchanger	Performed a load comparison with the design basis loads at the RHR Heat Exchanger natural frequencies.	Acceptable
4) Hydraulic Control Unit (HCU)	Combined the revised building response spectra and performed a	Acceptable

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Equipment	Assessment Method	Results
	comparison with Test Response Spectra (TRS).	
5) MSIV Leakage Control Blower	The blower's first natural frequency falls within the revised buildings response spectra ZPA. A revised building response ZPA was compared against the design basis loads.	Acceptable
6) Control Room Panels (H12)	Showed TRS high frequency cutoff curve envelopes revised building response spectra and ZPA x transmissibility less than tested capability.	Acceptable

*New Fuel Storage Racks and Fuel Prep Machine were only impacted by the vertical spectra.

This letter completes our response to this item. Should you have any questions, contact Mr. G. Wetzel at 770-6534 or Mr. W. Williams at 770-4274.

Very truly yours,

R J Shovlin for

N. W. Curtis
Vice President-Engineering & Construction-Nuclear

WWW/mks

cc: R. Perch - NRC
A. Lee - NRC