

## DISTRIBUTION:

Central File

NRR Rdg. File - M. Groff

DSS:MEB RDg. File

AUG 2 1 1979

X

MEMORANDUM FOR: P. T. Kuo, Group Leader, Seismic Review Group, DOR

FROM: P. Y. Chen, Seismic Review Group, DOR

SUBJECT: DRESDEN-2 SEISMIC EVALUATION REPORT

Reference: Memo from P. Y. Chen to Charles Hofmayer "Comments on Chapter 6 of the Dresden-2 Seismic Evaluation Report" dated July 5, 1979

In response to your request, I have briefly summarized a few items of interest from the telephone conversation between Drs. Newmark and Hall and NRC personnel on August 2, 1979.

Participants in the telephone conversation were:

NRC - C. Hofmayer, Howard Levin, T. Cheng, K. Jabbour, P. Y. Chen

Consultants - N. M. Newmark, W. J. Hall

1. Dr. Newmark opened the conversation by acknowledging receipt of comments from P. Y. Chen (above reference) and from other NRC personnel.
2. Dr. Newmark stated that the original idea on the SEP program was to have SSRT going through the plant, examining structures, and equipment, and then write a 5 to 6 page SER to assess the plant seismic adequacy. Therefore it was not intended to review every aspect of the structures and equipment.
3. With respect to my comment No. 5 of the above reference on the subject, Drs. Newmark and Hall decided to add the attached Section 4 to the end of the Chapter 1 Section entitled "Concluding Evaluation and Assessment". In the added statement Drs. Newmark and Hall pointed out that the functional reliability of electrical equipment and, to a lesser degree, that of mechanical equipment are among the most difficult items to evaluate. However, the SSRT group believe that the equipment will remain functional under the design hazard. They further stated that this conclusion is predicated upon the considerations that there are degrees of redundancy in safety systems to avoid dependence on any one system, and on the premise that a comprehensive equipment maintenance program is carried out.

7909280656 XA

~~4~~

AUG 21 1979

P. T. Kuo

- 2 -

I feel the above conclusion was that of SSRT Group's. The question of whether the staff should do more work in the future or not, needs to be discussed further.

- 4. With regard to my comment No. 3 of the above reference on the use of 7 percent damping for all mechanical and electrical equipment, Dr. Newmark felt that the equipment in the Dresden-2 facility is adequate to resist an earthquake with an SSE values of 0.20 g. However, he agreed to review the use of 7 percent damping for the future SEP plants.

I still feel the use of 7 percent damping for all mechanical and electrical equipment evaluation is questionable. The question of whether we are going to continue to use this number for future SEP plants needs to be discussed further.

P. Y. Chen  
Seismic Review Group  
Division of Operating Reactors

- cc: D. Eisenhut
- L. Shao
- R. Vollmer
- D. Crutchfield
- V. Noonan
- C. Hofmayer
- T. Chang
- H. Levin
- K. Jabbour
- H. Lee

ATTACHMENT

OFFICE →	DOR:SEPB				
SURNAME →	PYCHEN:jb				
DATE →	8/21/79				