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 FACIL:50-410 Nine Mile Point Nuclear Station, Unit 2, Niagara Moha 05000410
 AUTH.NAME AUTHOR AFFILIATION
 LEMPGES,T.E. Niagara Mohawk Power Corp.
 RECIP.NAME RECIPIENT AFFILIATION
 SCHWENCER,A. Licensing Branch 2

SUBJECT: Responds to draft SER request for info re floor flexibility.
 (Evaluation of floor flexibility will be provided per listed
 info).Completion of effort anticipated 841201.Rept w/study
 results will be forwarded to resolve open item.

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October 25, 1984
(NMP2L 0213)

Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Mr. Schwencer:

Re: Nine Mile Point Unit 2
Docket No. 50-410

The Nuclear Regulatory Commission's draft Safety Evaluation Report requested information regarding floor flexibility for Nine Mile Point Unit 2. Based upon meetings and telephone conferences with the staff, Niagara Mohawk will provide an evaluation of floor flexibility as described below:

1. A new model of the control building (elevation 306 feet) will be used in the study. This model was described in our previous response dated September 13, 1984.
2. The new model will be analyzed for (at least) each of six conservative ground motion records (individually) as discussed with the staff on October 13, 1984. The actual vertical ground motion records are the same as used in developing site specific response spectrum at the Limerick site.
3. Amplified Response Spectra will be generated using seven percent structural damping and two percent and four percent equipment damping records. These curves will be generated for various (at least three) floor frequencies.
4. Amplified Response Spectra responses of the floors due to earthquakes will be averaged at each frequency and increased by one standard deviation to obtain a confidence level of 84 percent.

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The following information was obtained from the records of the
 Department of the Interior, Bureau of Land Management, on
 the subject of the above-captioned tract of land.
 The tract of land described in the above-captioned
 instrument is situated in the County of [County Name],
 State of [State Name], and is more particularly
 described as follows: [Description of land]
 The above-described tract of land is owned by [Owner Name],
 who is the holder of the title to the same.
 The above-described tract of land is being offered for
 sale to the highest bidder for cash at a public
 sale to be held at [Location] on [Date].
 The terms of sale are as follows: [Terms of sale]
 The proceeds of the sale of the above-described tract of
 land shall be paid to the [Authority] for the purpose of
 [Purpose of sale].
 The above-described tract of land is being offered for
 sale to the highest bidder for cash at a public
 sale to be held at [Location] on [Date].
 The terms of sale are as follows: [Terms of sale]

5. The Amplified Response Spectra developed in 4) will be superimposed on the Amplified Response Spectra plots generated using the Unit 2 design basis time-history curve (complying with the NRC Regulatory Guide 1.60) for comparison. If the Amplified Response Spectra plots for actual earthquakes exceed the results for the design basis plots at certain frequencies, these results will be addressed.

We anticipate completion of this effort by December 1, 1984. A report containing the results of this study will be forwarded to resolve this open item.

Very truly yours,



T. E. Lempges
Vice President
Nuclear Generation

TEL/NLR:ja

cc: R. Gramm, NRC Resident Inspector

Project File (2)

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of)
Niagara Mohawk Power Corporation)
(Nine Mile Point Unit 2))

Docket No. 50-410

AFFIDAVIT

T. E. Lempges, being duly sworn, states that he is Vice President of Niagara Mohawk Power Corporation; that he is authorized on the part of said Corporation to sign and file with the Nuclear Regulatory Commission the documents attached hereto; and that all such documents are true and correct to the best of his knowledge, information and belief.

Thomas E. Lempges

Subscribed and sworn to before me, a Notary Public in and for the State of New York and County of Onondaga, this 23rd day of October, 1984.

Janis M. Macro
Notary Public in and for
Onondaga County, New York

My Commission expires:
JANIS M. MACRO

Notary Public in the State of New York
Qualified in Onondaga County No. 4784555
My Commission Expires March 30, 1985



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