

March 31, 1981

Docket No. 50-255
LS05-81-03-077

Mr. David P. Hoffman
Nuclear Licensing Administrator
Consumers Power Company
1945 W Parnall Road
Jackson, Michigan 49201



Dear Mr. Hoffman:

SUBJECT: SEP TOPICS II-3.A, HYDROLOGIC DESCRIPTION AND II-3.B,
FLOODING POTENTIAL AND PROTECTION REQUIREMENTS
(PALISADES)

Enclosed is an attachment that should be added to the above topic evaluations sent to you on March 20, 1981. It should be inserted between pages 5 and 6 of the evaluation.

Sincerely,

Dennis M. Crutchfield, Chief
Operating Reactors Branch No. 5
Division of Licensing

Enclosure:
As stated

cc w/enclosure:
See next page

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OFFICE	SEPB:DL <i>DP</i>	SEPB:DL	SEPB:DL <i>WR</i>	ORB#5:DL:PM	ORB#5:DL:C		
SURNAME	DPersinko:dk	Rheymann	WRussell	TWambach	DCrutchfield		
DATE	3/30/81	3/30/81	3/30/81	3/31/81	3/31/81		



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D. C. 20555

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Mr. David P. Hoffman

cc

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Director, Criteria and Standards
Division
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The Probable Maximum Surge on Lake Michigan would also be accompanied by wind waves that can run up on the west wall of the intake structure. These wind waves would be generated by winds of about 60 knots and over a fetch length of about 123 miles. The maximum significant wave height would be about nine feet. Since the depth of water in front of the intake structure would only be about eight feet (589.0 to 597.1 ft msl), the maximum wave height that can be supported by this depth of water is about 6.3 feet. A range of wave periods from 4 seconds to 15 seconds were used to compute the maximum runup on the intake structure. The maximum calculated runup on a vertical wall results from waves with a period of 15 seconds and runs up to elevation 605.0 feet msl on the west wall of the intake structure.