

AUG 23 1977

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Docket No. 50-346

Toledo Edison Company
ATTN: Mr. Lowell E. Roe
Vice President, Facilities
Development

Edison Plaza
300 Madison Avenue
Toledo, Ohio 43652

Gentlemen:

bcc: J. R. Buchanan,

MSIC

T. B. Abernathy, TI

ACRS (16)

SUBJECT: LARGE BREAK SPECTRUM TO DOCUMENT THE EXACT MARGINS WITHIN THE
ECCS ACCEPTANCE CRITERIA OF 10 CFR PART 50.46 - DAVIS-BESSE,
UNIT 1

As you know, license condition 2.C.(3)(1) of Facility Operating License
No. NPF-3, issued for Davis-Besse, Unit 1 on April 22, 1977 requires
in part, that within six months from issuance of said license, the
Toledo Edison Company shall provide additional supporting analysis for
the large break spectrum to document the exact margins within the
Emergency Core Cooling System acceptance criteria of 10 CFR Part
50.46.

On June 20, 1977, representatives of the Toledo Edison Company, the
Babcock and Wilcox Company and the staff discussed the additional large
break spectrum required to meet license condition 2.C.(3)(1). At this
meeting, the Toledo Edison Company and the Babcock and Wilcox Company
were advised that the large break analyses required (using the latest
staff model as approved by the staff and wholly in conformance with
10 CFR Part 50.46 and Appendix K) are as follows:

LARGE BREAK SPECTRUM (ECCS)
FOR
DAVIS-BESSE, UNIT 1

<u>BREAK SIZE</u> (Square feet)	<u>DISCHARGE</u> <u>COEFFICIENT</u>	<u>BREAK TYPE</u> <u>DESCRIPTION</u>
(1) 8.55	1.0	Split, pump discharge (PD)
(?) 8.55	1.0	Double ended pump discharge (DEPD)
8.55	1.0	Double ended pump suction (DEPS)

GD

EC

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These analyses must be submitted no later than October 22, 1977 to meet the license condition as stipulated in Paragraph 2.C.(3)(1) of Facility Operating License No. NPF-3. We request that you keep us advised on the status of completing these analyses within the time required.

Sincerely,

Original Signed by

John F. Stolz

John F. Stolz, Chief
Light Water Reactors Branch No. 1
Division of Project Management

cc: Mr. Donald H. Hauser, Esq.
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DATE →	7/22/77	7/22/77	8/25/77		