

SEP 30 1977

Docket No. 50-346

Toledo Edison Company
ATTN: Mr. James S. Grant
Vice President - Energy
Supply
Edison Plaza
300 Madison Avenue
Toledo, OH 43652

DAVIS BESSE
SEPT 24, 1977.

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Gentlemen:

This refers to the telephone conversations between you and Mr. Evans of your staff and Messrs. Fiorelli and Knop of this office on September 29, 1977, regarding corrective action required relative to the depressurization event occurring at the Davis-Besse Unit 1 Nuclear Plant on September 24, 1977.

As discussed during our conversation with you on September 29, 1977, we understand that you will:

1. Evaluate the actuation of the steam, feedwater rupture control system and determine what corrective actions must be taken to improve reliability of this system during future operation.
2. Evaluate the cooldown of the primary system and determine that resulting stresses in the piping and/or vessels were within acceptable limits.
3. Evaluate the pressure excursion in the primary system to determine that the transient, including boiling effects, did not cause damage to the primary system, to the reactor vessel or it's internal components or to the reactor fuel.
4. Determine why the steam generator was emptied and evaluate the short and long-term effects of the transient on steam generator 2 to determine that there were no excessive stresses caused by primary to secondary pressure differential, thermal shock or by allowing the steam generator to go dry.
5. Review all available data and determine what equipment did not function as designed. For equipment so identified, determine the cause of the failure and steps to preclude future failure.

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IMMEDIATE ACTION LETTER

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- 6. Keep Region III office informed in a timely manner as all the reviews and corrective actions are being accomplished so that we can evaluate the effectiveness of your corrective actions.

We understand that the above will be completed prior to the plant going into Mode 4 (Hot shutdown) operation.

Please inform us immediately if your understanding of these items is different from that stated above.

Sincerely,

James G. Keppler
Director

cc: Mr. J. Evans, Station
Superintendent
Central Files
Reproduction Unit NRC 20b
PDR
Local PDR
NSIC
TIC
U. Young Park, Power
Siting Company
W. P. Ellis, FC&EB, IE
Lans Cobb, Plans and
Analyses, IE

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OFFICE →	R111	R111	R111			
SURNAME →	Knop/ls <i>REK</i>	Fiorelli <i>CF</i>	Keppler <i>JK</i>			
DATE →	9/29/77					