

Docket No. 50-346

License No. NPF-3

Serial No. 1018

January 11, 1984



RICHARD P. CROUSE
Vice President
Nuclear
(419) 259-5221

Mr. Darrell G. Eisenhower, Director
Division of Licensing
Office of Nuclear Reactor Regulation
United States Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Eisenhower:

This is in response to Generic Letter 83-41, dated December 16, 1983 (Log No. 1420), concerning fast cold start surveillance testing of diesel generators.

The attachment contains the requested information for the Davis-Besse Nuclear Power Station, Unit No. 1.

Very truly yours,

RPC:JB:SGW:nlf
encl.

cc: DB-1 NRC Resident Inspector

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Attachment

QUESTION:

How many times in the past year (December 1, 1982 to December 1, 1983) have your emergency diesel generators been subjected to a fast cold start (without prelubrication and warmup of any moving parts of the diesel generators)? Provide your data on a per machine basis, for each of the following three categories: (a) surveillance testing, (b) maintenance activities, and (c) actual demands.

RESPONSE:

	<u>EDG #1</u>	<u>EDG #2</u>
Surveillance testing	39	50
Maintenance activities	14*	15*
Actual demands	0	0

*This number includes thirteen (13) scheduled starts for lubrication runs. This is performed for maintenance reasons.

QUESTION:

What is your assessment of the effects of frequent fast cold starts on diesel generator reliability and availability? Do you believe that they significantly degrade reliability and availability?

RESPONSE:

Technical Specifications require surveillance testing on a monthly basis which amounts to thirteen (13) starts being performed each year. The remaining starts in the surveillance testing category are the result of the technical specification requirement that if one diesel generator is inoperable, the remaining diesel generator shall be started within one hour and once per eight (8) hours until both diesels are operable. This requirement has the greatest potential for premature diesel engine degradation since the diesel generator never fully warms up.