



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

Docket No. 50-461

Mr. Michael C. Parker, Chief
Division of Engineering
State of Illinois
Department of Nuclear Safety
1035 Outer Park Drive
Springfield, Illinois 62704

Dear Mr. Parker:

SUBJECT: CLINTON POWER STATION, UNIT 1, PERIODIC TESTING OF DIESEL GENERATOR
UNITS IN ACCORDANCE WITH REGULATORY GUIDE 1.108, REVISION 1

REFERENCES: 1. State of Illinois, Department of Nuclear Safety Letter DOE-85-084, Michael C. Parker to NRC, W. R. Butler, dated June 3, 1985.
2. Illinois Power Company letter U-600016, F. A. Spangenberg to NRC, W. R. Butler, dated May 24, 1985

We have reviewed the comments provided by you (Ref. 1) pertaining to the Illinois Power Company's request for approval of an alternate method of meeting the intent of certain portions of Regulatory Guide 1.108, Revision 1 (Ref. 2). The following is provided as our response to your comments.

The intent of repeating the R.G. 1.108 start and load tests in C.2.a.(1) and (2) following the 24 hour loading test is to ensure that the diesel generators can start and accept their required loads in the prescribed time when the diesel generator is at its normal operating temperature and the nuclear unit is operational. Such a condition would exist during the monthly 100% load testing of the diesel generators required by the plant Technical Specifications. However, there is no similar requirement to periodically test the diesel generators at their two hour overload rating during plant operations (the only requirement for such a test is during the 18 month surveillance testing during shutdown). Therefore, testing at the two hour overload condition while at operating temperature is not required for the start and load tests. There also should be sufficient margin in the diesel engine jacket water cooling system to maintain the same jacket water temperature at the continuous load as well as at the overload rating. The Illinois Power Company proposal to rerun the C.2.a.(1) and (2) tests following a run at 100% load until temperature is stabilized is therefore acceptable. This is also in accordance with the staff's requirements contained in the Standard Technical Specifications.

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With regard to the 24-hour load test itself, it is our position that this test be conducted during preoperational testing and every 18 months thereafter during refueling shutdown exactly as prescribed in position C.2.a.(3) of R.G. 1.108 (22 hours at 100% load and 2 hours at the overload rating).

We agree with the State of Illinois that the combination of testing required by paragraphs C.2.a.(1) and C.2.a.(2) into a single test is acceptable.

If you have any questions regarding this response, please contact the Clinton Licensing Project Manager, Byron Siegel, at (301) 492-8344.

Sincerely,

Walter R. Butler, Chief
Licensing Branch No. 2
Division of Licensing

cc: See next page

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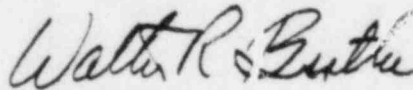
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If you have any questions regarding this response, please contact the Clinton Licensing Project Manager, Byron Siegel, at (301) 492-8344.

Sincerely,

A handwritten signature in cursive script, reading "Walter R. Butler".

Walter R. Butler, Chief
Licensing Branch No. 2
Division of Licensing

cc: See next page

Mr. Frank A. Spangenberg
Illinois Power Company

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