

Docket Nos. 50-295
and 50-304

May 21, 1985

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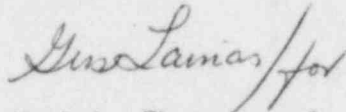
MEMORANDUM FOR: Charles E. Norelius, Director
Division of Reactor Projects
Region III

FROM: Hugh L. Thompson, Jr., Director
Division of Licensing
Office of Nuclear Reactor Regulation

SUBJECT: LICENSING ACTION REVIEWS FOR ZION UNITS 1 AND 2

Your assistance is requested in conducting reviews of the enclosed request for relief from a certain portion of the Inservice Inspection Program for the First Ten-Year Interval for Zion Units 1 and 2. The review for this item should consist of a complete Safety Evaluation Report and mini-SALP input, and should be conducted under TACs 57659 and 57660. This request has been discussed between Jan A. Norris, the NRR Project Manager, and Ken Ridgway.

If you need further information from the licensee, it should be obtained via the Project Manager. The requested target date is June 30, 1985. Please either confirm the due date or provide a revised date as soon as possible.



Hugh L. Thompson, Jr., Director
Division of Licensing
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc w/enclosure:
P. Shuttleworth
J. Norris
K. Ridgway, Reg. III

CONTACT:
J. Norris
X29774

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*See previous white for concurrences

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Commonwealth Edison
One First National Plaza, Chicago, Illinois
Address Reply to: Post Office Box 767
Chicago, Illinois 60690

May 13, 1985

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Zion Nuclear Power Station Units 1 and 2
Inservice Inspection Program for the
First Ten-Year Interval
NRC Docket Nos. 50-295 and 50-304

Dear Mr. Denton:

Attached is Revision 4 to the Zion Generating Station
Inservice Inspection Program for the First Ten-Year Interval. The
proposed revision provides relief from hydrostatic pressure tests
under IWA-5244(a) in the buried piping sections of the service water
system.

The proposed alternative involves testing under the
provisions of IWA-5244(c). This request is submitted in accordance
with the provisions of Technical Specification 4.3.4.C.3 and 10 CFR
50.55.a.g(5)(iii).

Should you have any further questions regarding this
matter, please contact this office.

Very truly yours,

Peter LeBlond

P. C. LeBlond
Nuclear Licensing Administrator

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Attachment

cc: Resident Inspector - Zion
J. Norris - NRR
G. Wright - State of Ill.

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ATTACHMENT

Revision 4 to Zion Generating Station Inservice Inspection Program for the first ten-year interval.

Relief Request from IWA-5244(a)

Relief is requested from hydrostatic pressure tests in the buried piping sections of the service water systems on lines OSW013-48", OSW014-48", OSW001-12", and OSW008-10". (Note that the buried section of line OSW008-10" actually lies between two 10 to 12 inch reducers and thus is 12" in diameter.)

Code Requirements

IWA-5244(a)

The pressure retaining buried components within the class III boundary are subject to the hydrostatic test requirements of IWA-5244(a) each inspection interval.

Alternative and Basis

As an alternative, testing for evidence of leakage shall be performed on the buried portions listed above in accordance with IWA-5244(c), 1980 edition. This will involve verification that flow under nominal operating conditions is not impaired.

The design of the test boundary valves precludes using a pressure decay test as required by IWA-5244(a). An attempt was made to verify continuity of flow through the buried section as described in IWA-5244(b). The use of a flow meter was not possible due to the lack of the required straight pipe length in the actual piping configuration.

In addition to the required methods of IWA-5244, an acoustical emission leak test was considered, but the design configurations of the valves would produce questionable or inaccurate results.

This matter has received station on-site and off-site reviews. Based on the above, it has been determined that the substitution of the testing method of IWA-5244(c) for the required method of IWA-5244(a) will have no significant effect upon the probability or consequences of an accident or upon the health and safety of the public.