

LOUISIANA
POWER & LIGHT

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April 27, 1984

W3P84-1184
3-A1.01.04

Director of Nuclear Reactor Regulation
Attention: Mr. G.W. Knighton, Chief
Licensing Branch No. 3
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUBJECT: Waterford SES Unit 3
Docket No. 50-382
Shutdown Cooling System (SDCS) Relief Valves

REFERENCE: Letter dated April 18, 1984
from Knighton (NRC) to Leddick (LP&L)

Dear Sir:

In your referenced letter you expressed concern over the possibility of the Waterford 3 SDCS relief valves failing to close. Additionally, because the ASME Code allowed the valves to be capacity certified based solely on manufacturer calculations you requested test and/or operational data from comparable valves in non-nuclear service.

In the event of a SDCS relief valve failing to close, redundant isolation capability exists - i.e. no unisolable LOCA may occur. Referring to the attached diagram, please note that an open relief valve (SI-406) may be isolated from the reactor coolant system by closing either of the containment isolation valves (SI-401 or SI-405). Isolation valve indication and control are available in the control room. Low temperature overpressure protection will continue to be provided by the redundant shutdown cooling train.

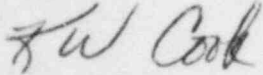
Because other CE plants without PORVs will be asked to provide operational data on SDCS relief valves and, due to the common valve manufacturer (Crosby), LP&L has requested the CE Owners Group to initiate a study to gather and evaluate the available test/operational data for these valves. We expect work to begin on this task following the next CE Owners Group meeting on May 24. At that time LP&L will provide you with a firm schedule for resolution of your concerns. In the interim, we feel that the capability to isolate a SDCS relief valve provides sufficient defense against untoward consequences due to its failure to close.

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Should you require further information at this time please contact
Mike Meisner at (504) 363-8938.

Yours very truly,

A handwritten signature in cursive script, appearing to read "K.W. Cook".

K.W. Cook
Nuclear Support & Licensing Manager

KWC/MJM/pco

Attachment

cc: E.L. Blake, W.M. Stevenson, J.T. Collins, D.M. Crutchfield,
J. Wilson, G.L. Constable, F.C. Cherny, L.T. Marsh

