Docket No. 1 50-373

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5. kim J. Kudrick G. Lainas

FROM .

Ous Laines, Assistant Director Division of BWR Licensing

SUBJECT:

PEVIEW OF ADDENDIX-J TYPE-A TEST VALUE LINEUP . LASALLE 1 (TAC NO. 62136, ALTS 103033886)

The Plant Systems Branch has completed the review of the subject issue requested by Region III (Reference: Memorandum From Carl J. Paperiello of Region III to Gary Holahan of NRR, August 5, 1986).

We have concluded that the gate valves for the feedline and RCIC system should be left open for the Type-A Containment Integrated leak Rate lest at LaSalle plant. The basis for this conclusion is discussed in the enclosed safety

The review was requested by Regi n III and no licenser's information was needed for the review. Therefore, we have no input to the SALP.

Gus Lainas, Assistant Director Division of NWR Licensing

Enclosure: As Stated

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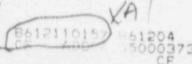
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*See Crevious Sheet for Concurrence (5520 DOCUMENT NAME: TYPE-A TEST VALVE LINEUP SEP)

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NUCLEAR REGULATORY COMMISSION WASHINGTON D. C. 20554

I VALUATION OF VALVE LINEUP FOR TYPE-A LEAK TEST

COMMONWEALTH EDISON COMPANY

DOCKET NO. 50+373

REFERENCE: MEMORANDUM FROM TAGE PAPERIELLO OF REGION 111 TO GARY HOLAHAN OF NOR. "PEOUED! FOR A SISTANCE-REVIEW LASALLE! TYPE-A TEST VALVE LINEUP", AUGUST 5, 1986.

1.0 INTRODUCTION

It was requested that the NRR provide Region III with an evaluation of the licensee's position regarding valve lineup for the Type-A Containment integrated Leak Rate Test (CILRI) at the LaSalle plant. The valves in question are 1428/160654,8 on feedline and 1651-6060 on the Reactor Cornisolation Cooling (PCIC) turbine exhaust line.

The valves in question are remote manual motor-operated gate valves and they are normally open in the operating mode. The regulations (10 CFR Part 50, Appendix J) require the containment to be leak tested as close to the "as is" condition as practical. For sometime now, it has been the staff's interpretation that "as is" means that the value position for CILRI should be consistant with the one in a normal operating mode

when those valves are remote manual motor-operated.

The feedwater lines (there are two lines altogether) penetrate the drywell to connect with the reactor pressure vessel. There are three isolation valves per line. The isolation valve inside the drywell is a check valve. Outside the primary containment, there is another check valve. Farther away from the containment is a remote manual motor-operated gate valve 182821F065A.B. Shoul, a break occur in the feedwater line, the check valves would prevent a significant loss of reactor coolant inventory, and would provide prompt primary containment isolation. Ouring the postulated loss-of-coolant accident it is desirable to maintain reactor makeup water from all sources of supply. For this reason, the outermost gate valve does not automatically isolate upon a signal from the protection system. Therefore, the gate valves should be left open for CILRT.

As noted previously, two check valves offer mendiate sociation should a break arror in the feedwater line. Subsequently, the nate valve is to be remote manually closed from the main control room to provide innusterm leakable protection. For other accidents, the gate valve can be closed once the operator determines that feedwater makeup is unavailable or unnecessary, thus providing long-term leak tightness as stated in the ISAR

The pate valve libifo68 is on the RCIC turbine exhaust line approximately three feet outside of the containment. The turbine is steam driven and exhaust stnam enters the suppression pool. As in the rase of the feedline, there is a check valve upstream in relation to the date valve, and it is used for an immediate isolation of the containment in case of a break in the line. The date valve is motor operated and remote manually actuated. It is normally open during plant operation. The FSAR states that "the date valve in the ECIC turbine exhaust is designed to be locked open from the control norm, and interlocked to preclude openion of the in let steam valve to the turbine while the turbine exhaust valve is not in full open position". The lable 6.2×21 of the FSAR also calls for an open date valve unsation for a post accident as well as plant normal operation. Therefore, the nate valve in question should be left open for the filet.

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Based on the desion, functions, and intended operation, we conclude that the date valves in question should be left open for the duration of the CILRI. It should be noted that the majority of licensees have conducted their CILRI in the past with these valves in the open position. Therefore, LaSille would become consistent with past industry practice in this regard.