

SAFETY EVALUATION
PURGE/VENT VALVE ISOLATION DEPENDABILITY CRITERIA
ITEM II.E.4.2(6&7) OF NUREG-0737

H. B. ROBINSON STEAM ELECTRIC PLANT UNIT NO. 2

1.0 INTRODUCTION

As a consequence of the accident at TMI-2, implementation of a number of new requirements has been recommended for operating reactors. These new requirements are described in NUREG-0737, "Clarification of TMI Action Plan Requirements," November 1980. The staff has requested licensees to verify that these TMI action plan requirements have been met. This report provides an evaluation of the response to Action Plan Item II.E.4.2, positions 6 & 7. Carolina Power and Light Company has responded by letter dated December 7, 1979, for the H. B. Robinson Steam Electric Plant Unit No. 2.

2.0 REVIEW CRITERIA

Position 6 requires that containment purge/vent isolation valves that do not satisfy the operability criteria set forth in Branch Technical Position CSB 6-4 or the Staff Interim Position of October 23, 1979, must be sealed closed during operating conditions 1, 2, 3, and 4, as defined in SRP 6.2.4, item II.6.f (NUREG 0800). Our letter dated March 21, 1980 found the commitments to the Interim Position of October 23, 1979 acceptable.

Position 7 requires that containment purge/vent isolation valves must close on a high radiation signal. The radiation monitor(s) that provide the high radiation signal to purge/vent isolation valves must sense primary containment atmosphere. However, the location of the monitor does not have to be inside primary containment, but can be downstream of the purge exhaust valves or in a separate system that directs primary containment atmosphere to radiation monitors located outside containment and then exhausts the containment air back into containment. Our review of the licensee's submittals shows that the requirement of Position 7 is met.

The evaluation of licensee compliance with Position 7 does not include a review of radiation monitor quality, setpoint, redundancy, or isolation/separation from safety systems.

3.0 CONCLUSIONS

Based on our review of the submittals identified above we find that the H. B. Robinson Steam Electric Plant Unit No. 2 meet Positions 6 & 7 of TMI Action Plan Item II.E.4.2.

Date:

Principal Reviewer: M. Fields