



**Consumers
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June 13, 1980

Director, Nuclear Reactor Regulation
Att Mr Dennis M Crutchfield, Chief
Operating Reactors Branch No 5
U S Nuclear Regulatory Commission
Washington, DC 20555

DOCKET 50-155 - LICENSE DPR-6 -
BIG ROCK POINT PLANT - CONTAINMENT
ISOLATION VALVES - MODIFICATION TO
ASSURE OPERABILITY

Licensee Event Reports (LERs) 79-28 and 80-13, submitted December 26, 1979, and May 23, 1980, respectively, reported design deficiencies involving Big Rock Point containment ventilation isolation valves. In each case, corrective action involved placing the valves in a partially-closed condition to assure they could adequately perform their functions under design basis accident conditions. These actions have resulted in a significant reduction in containment ventilation air flow rates with attendant concerns about the ability to control the temperature of critical components in hot weather. These concerns will be alleviated by a modification to the operators of the swing check valves (CV 4094 and CV 4096).

As reported in LER 80-13, the design deficiency involving the check valves is a potential for overpressurization of the air cylinders of the valve operators. These cylinders will be enlarged to prevent this overpressurization. This modification will enable the valves to be returned to their full-open position (45° seat-to-disc arc) while assuring that the valves and operators will not be damaged during closure under the transient conditions associated with a design basis accident.

All containment ventilation valves will be closed during modification work, thereby assuring containment integrity. Since the air supply to the valve operators must be interrupted to perform the modification, the valves will be incapable of opening to accomplish their function of vacuum relief while work is in progress. One isolation valve will be installed in each air supply line for each set of valves (butterfly and check) to permit the associated valve train to be individually isolated for modification work; this will limit to four hours (the time necessary to install the isolation valves) the period during which all automatic vacuum relief will be incapacitated. The entire modification package is expected to take less than one week to implement.

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Appropriate precautions and procedures will be implemented to reduce the possibility of a vacuum being created within containment during this period.

These modifications and the procedures to implement them have been reviewed in accordance with 10 CFR 50.59. Review of this change has determined that the increased risk to the health and safety of the public is insignificant and the Plant Review Committee has concluded that this work involves no unreviewed safety question. This letter is intended to inform you of current plans which differ from the information previously submitted regarding partial closure of the ventilation isolation valves.

David P Hoffman (Signed)

David P Hoffman
Nuclear Licensing Administrator

CC JGKepler, USNRC
NRC Resident Inspector - Big Rock Point