

## UNITED STATES NUCLEAR REGULATORY COMMISSION WASHINGTON, D. C. 20555

AUG 1 2 1981

Wayne Reconsults
Consider input
into advises test
results befor Notice

EPRI , Retod

Info notices;

그래요! 생각이 하다 내가 되었다. 나를 하는 것은 사람이 되었다.

MEMORANDUM FOR: Robert L. Tedesco, Assistant Director
for Licensing

Division of Licensing

Thomas H. Novak, Assistant Director

for Operating Reactors Division of Licensing

FROM:

James P. Knight, Assistant Director

for Components & Structures Engineering

Division of Engineering

SUBJECT:

REPORTING OF UNSATISFACTORY EPRI/PWR TEST RESULTS FOR

CROSBY MODEL 3K6 SAFETY VALVE

The attached memorandum from EPRI for the period July 25 - 31, 1981 discusses the results of steam and water tests performed at Combustion Engineering on the Crosby 3K6 safety valve. As discussed in the memorandum, the safety valve failed one or more of the test screening criteria in these tests. The two screening criteria failed most in these tests are:

- (a) Valve must open within plus or minus 3% of valve design set pressure.
- (b) Valve fully closes when inlet pressure is less than the pressure at which the valve opened and greater than 2250 psig.

In addition to failing some specific screening criteria, there was evidence of minor galling and damage to valve internals and indication of fairly high valve leakage - 15 gpm after several high pressure water tests.

Note that all of these tests were performed with a short inlet piping configuration. The valve has not been tested as yet with the long loop seal inlet piping configuration that is normally used on Westinghouse plants. The next series of tests to be performed on the valve will be with the long loop seal piping.

It is our understanding that the Operating License and Construction Permit Holders that utilize or plan to utilize these safety valves and the PWR NSSS vendors have been notified of these test results. These licenses and permit holders have the responsibility for independently assessing the safety significance of the observed valve behavior for their plants, including the reporting of significant findings to the NRC.

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