



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION V  
1950 N. CALIFORNIA BOULEVARD  
SUITE 202, WALNUT CREEK PLAZA  
WALNUT CREEK, CALIFORNIA 94596

FIC  
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TERRA

May 29, 1979

Docket Nos. 50-528  
50-529  
50-530

Arizona Public Service Company  
P. O. Box 21666  
Phoenix, Arizona 85036

Attention: Mr. E. E. Van Brunt, Jr.  
Vice President, Construction Projects

Gentlemen:

This Information Notice is provided as an early notification of a possibly significant matter. It is expected that recipients will review the information for possible applicability to their facilities. No specific action or response is requested at this time. If further NRC evaluations so indicate, an IE Circular or Bulletin will be issued to recommend or request specific licensee actions. If you have questions regarding the matter, please contact the Director of the appropriate NRC Regional Office.

Sincerely,

  
R. H. Engelken  
Director

Enclosure:  
IE Information Notice No. 79-13

cc w/enclosures:  
F. W. Hartley, APS

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
OFFICE OF INSPECTION AND ENFORCEMENT  
WASHINGTON, D.C. 20555

May 29, 1979

IE Information Notice No. 79-13

INDICATION OF LOW WATER LEVEL IN THE OYSTER CREEK REACTOR

Summary

A loss of feedwater transient at the Oyster Creek facility on May 2, 1979, resulted in a significant reduction in water inventory within the reactor core shroud area as measured by one set of water level instruments (triple low level), while the remaining level instruments, sensing from the reactor annulus area indicated water levels above any protective feature setpoint (Figure 1). The water level within the core shroud area was reduced below the "triple low level" setpoint of 4-feet, 8-inches above the top of the fuel.

Subsequent analysis by the licensee has determined that the minimum collapsed water level (solid, without steam voids) over the top of the fuel was 1 to 1-1/2 feet.

Coolant sample analyses and offgas release rates indicate that no fuel damage occurred.

General

Oyster Creek is a non-jet pump BWR with licensed power of 1930 Mwt. The plant was first made critical May 3, 1969.

Status Before Transient

Operating at near full power with the main parameters at levels as follows:

1895 Mwt power level  
79" Yarway (13'4" over top of fuel) reactor water level  
1020 psig reactor pressure  
7.1x10<sup>6</sup> #/hr feed flow  
14.8x10<sup>4</sup> gpm recirculation flow rate (4 pumps)      2288 237  
12 psid core Δp

Equipment Out of Service (OOS)

"D" recirc pump OOS due to seal  
"B" startup transformer OOS for

DUPLICATE DOCUMENT

Entire document previously  
entered into system under:

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