

LICENSEE EVENT REPORT

CONTROL BLOCK: [][][][][][][][] 1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

[0][1] [M][A][Y][K][R][1] [2] [0][0]-[0][0][0][0][0]-[0][0] [3] [4][1][1][1][1] [4] [] [5]

CON'T [0][1] REPORT SOURCE [L] [6] [0][5][0][0][0][0][2][9] [7] [0][7][2][7][7][9] [8] [0][8][1][0][7][9] [9]

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

[0][2] Yankee Atomic Electric Co. was informed of a deviation in the fuel pin p
[0][3] ressure from its specified value by the fuel manufacturer, Exxon Nuclear
[0][4] , Inc. Normal pressure is 125 +/- 5 psig, but a refined measurement of t
[0][5] he archived pins showed a pressure of up to 143.1 psig. The increased pr
[0][6] essure impacts the LOCA calculations in two ways, the average fuel tempe
[0][7] rature at operating conditions and the swelling and rupture response dur
[0][8] ing an accident may be altered. Calculations indicate no adverse affect.]

[0][9] SYSTEM CODE [R][C] [11] CAUSE CODE [B] [12] CAUSE SUBCODE [B] [13] COMPONENT CODE [F][U][E][L][X][X] [14] COMP SUBCODE [Z] [15] VALVE SUBCODE [Z] [16]

(17) LER/RO REPORT NUMBER [7][9] [] SEQUENTIAL REPORT NO. [0][1][8] [] OCCURRENCE CODE [0][1] REPORT TYPE [T] REVISION NO. [0]

ACTION TAKEN [X] [18] FUTURE ACTION [Z] [19] EFFECT ON PLANT [Z] [20] SHUTDOWN METHOD [Z] [21] HOURS [0][0][0][0] ATTACHMENT SUBMITTED [Y] [23] NPRD-4 FORM SUB. [N] [24] PRIME COMP. SUPPLIER [L] [25] COMPONENT MANUFACTURER [E][3][6][0] [26]

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

[1][0] The root cause of this occurrence is attributed to manufacturing techni
[1][1] ques. Upon notification, the impact of the error upon predicted fuel temp
[1][2] eratures was addressed and the resultant slight change would have no adv
[1][3] erse affect. Exxon Nuclear has changed the manufacturing method of pre-p
[1][4] ressurization employed at their fabrication facility.

[1][5] FACILITY STATUS [E] [28] % POWER [0][9][9] [29] OTHER STATUS [N/A] [30] METHOD OF DISCOVERY [D] [31] DISCOVERY DESCRIPTION [Fuel Manufacturer] [32]

[1][6] ACTIVITY RELEASED [Z] [33] CONTENT OF RELEASE [Z] [34] AMOUNT OF ACTIVITY [N/A] [35] LOCATION OF RELEASE [N/A] [36]

[1][7] PERSONNEL EXPOSURES NUMBER [0][0][0] [37] TYPE [Z] [38] DESCRIPTION [N/A] [39]

[1][8] PERSONNEL INJURIES NUMBER [0][0][0] [40] DESCRIPTION [N/A] [41]

[1][9] LOSS OF OR DAMAGE TO FACILITY TYPE [Z] [42] DESCRIPTION [N/A] [43]

[2][0] PUBLICITY ISSUED [N] [44] DESCRIPTION [N/A] [45]

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649 229

LER 79-18/OIT-0
Yankee Atomic Electric Company
Yankee Rowe 50-29

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES:

The Yankee Atomic Electric Company was informed about a deviation in the fuel pin pressure from its specified value by the manufacturer, Exxon Nuclear, Inc. The nominal value of the pin pressure is 125 ± 5 psig, but a refined measurement of the archived pins showed a pressure of up to a maximum value of 143.1 psig. The increased pin pressure impacts the LOCA calculations in two ways:

1. The average fuel temperature at operating conditions may change, and
2. The swelling and rupture response during the accident may be altered.

An analysis of the impact of the error upon the predicted fuel temperature concluded that the resultant slight change would not have any adverse affect on the peak clad temperature. Based on the above, there is no potential adverse affect on the health and safety of the public as a result of this occurrence.

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS:

The root cause of this occurrence is attributed to manufacturing techniques. Upon notification, the impact of the error upon the predicted fuel temperature was addressed and the resultant slight change was analyzed. Exxon Nuclear, Inc. has changed their manufacturing methods employed during the pre-pressurization process at the fabrication facility to prevent re-occurrence.

No further actions are deemed necessary at this time.