

To: R. Vollmer

note of return
[initials]

File Press/Vol. Control

Inter-Office Memorandum



Date: June 25, 1979
TSG-248

Subject: Steam Bypass Valve Position

To: J. R. Floyd

Location: TMI

- Reference:
- a) Memo, June 8, 1979, B. D. Elam to G. A. Kunder, "Steam Generator Bypass Control"
 - b) Memo, June 18, 1979, B. D. Elam to J. R. Floyd, "Steam Generator Bypass Valve Control"
 - c) Memo, June 23, 1979, J. P. Moore to J. R. Floyd, "Steam Generator Bypass Valve Control"
 - d) Memo, May 30, 1979, J. P. Moore to G. A. Kunder, "Steam Pressure Required to Clear Condensate"
 - e) Phone call: Ron Greenwood and Joe Kelly (B&W), "Stability of Natural Circulation"

Please replace the curve given in references (a) and (c) with the attached curve. This is necessary in order to maintain the desired temperature range of 170°F maximum to 158°F minimum in primary hot leg (T_{hot}) as given in reference (d). T_{hot} has been averaging about 158°F for the past five days despite the use of the curves given in references (a) and (c). The curve attached has been adjusted to take into account a 12% loss of decay heat from the RCS into containment as given in reference (c) and verified by our calculations. If you have any questions, please contact the undersigned. In adjusting the valve to achieve the specified position, step down at 5% increments, holding each position at least one day.

M. G. Capiotis
M. G. Capiotis
GPU Technical Support Engineer

J. P. Moore
J. P. Moore
GPU Technical Support Manager

MGC:JPM:gp

Att.

- cc:
- R. C. Arnold
 - D. K. Croneberger
 - N. Dye
 - R. Greenwood
 - J. G. Herbein
 - W. Spangler (B&W)
 - R. Vollmer (NRC)
 - R. F. Wilson
 - GPU Control Room Watch
 - Data Reduction

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PDR ADOCK 05000320
P PDR

BYPASS VALVE POSITION INDICATION IN CONTROL ROOM TO MAINTAIN STEAM GENERATOR "A" BACKPRESSURE OF

$P_{SAT} = 6.0 \text{ PSIA} @ T_H = 170^\circ \text{ F MAX.} *$

Note: Actual Valve Position = $\sqrt{\text{Indicated Valve Position}}$
* MAX. TEMP. OF T_H IS 170

PRECAUTIONS ARE TO BE TAKEN DURING
TRANSITIONS TO ASSURE THIS LIMIT
IS NOT EXCEEDED.

BYPASS VALVE POSITION INDICATION
IN CONTROL ROOM

20%
15%
10%
5%

6/19 6/29 7/8 7/18 7/28 8/7

DATE 1979