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SUBJECT: Provides plans for implementing long-term solution to reactor coupled neutronic/thermal-hydraulic stability issue in response to GL 94-02, Action 2.

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January 12, 1995
GO2-95-005

Docket No. 50-397

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

Gentlemen:

Subject: **WNP-2, OPERATING LICENSE NPF-21
RESPONSE TO NRC GENERIC LETTER 94-02, ACTION NO. 2**

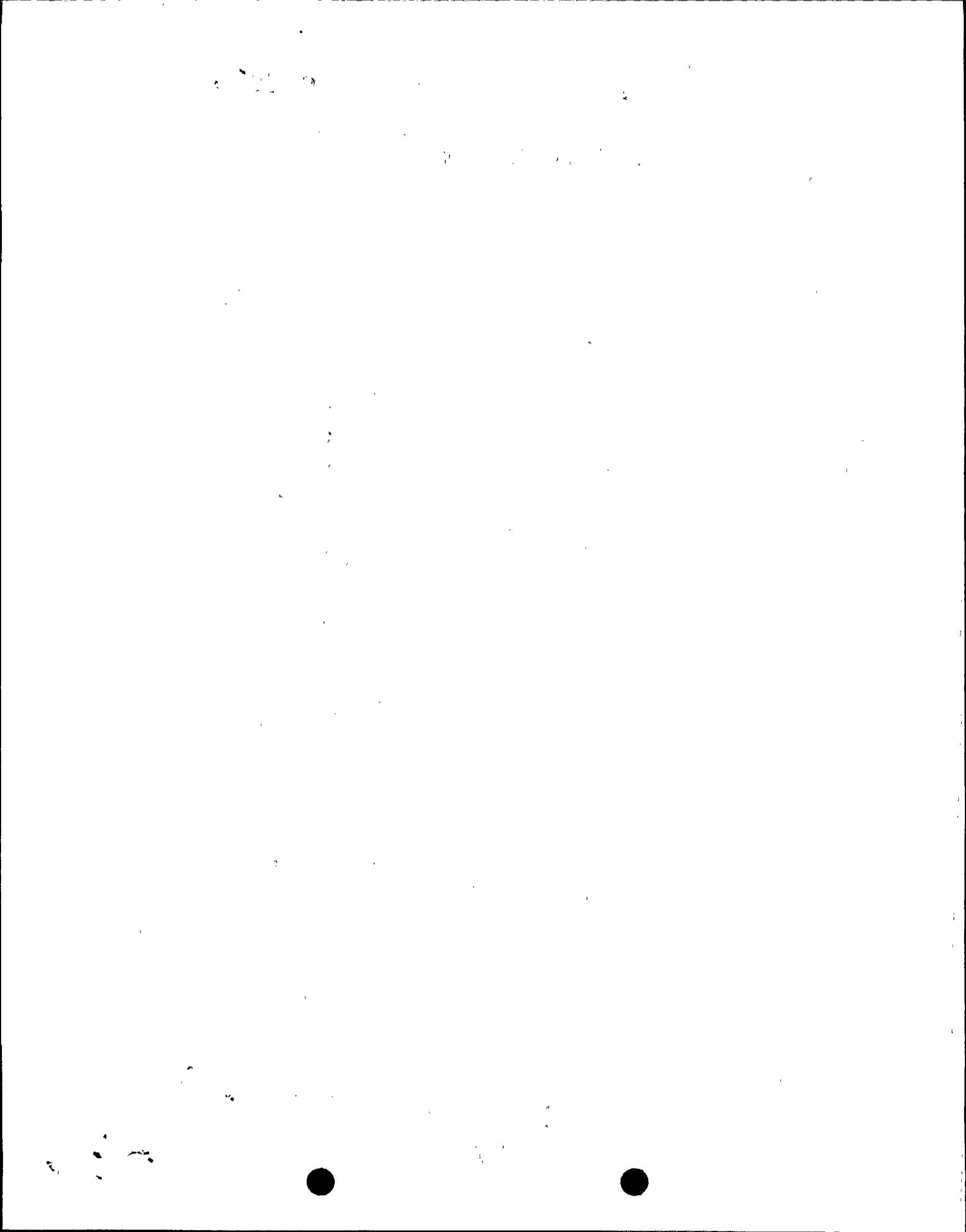
- Reference:
- 1) Letter, GI2-94-190, dated July 11, 1994, "NRC Generic Letter 94-02: Long-Term Solutions and Upgrade of Interim Operating Recommendations for Thermal-Hydraulic Instabilities in Boiling Water Reactors"
 - 2) Letter, dated July 12, 1993, A. Thadani (NRC) to L.A. England (BWROG), "Acceptance for Referencing of Topical Reports NEDO-31960 and NEDO-31960, Supplement 1, "BWR Owners' Group Long-Term Stability Solutions Licensing Methodology"

In response to the "Requested Action" (number 2) of NRC Generic Letter 94-02, plans for implementing a long-term solution to the reactor coupled neutronic/thermal-hydraulic stability issue are provided below.

The NRC requirement for stability long-term corrective actions to ensure compliance with General Design Criteria 10 and 12 of 10 CFR 50 was originally presented in NRC Bulletin 88-07, Supplement 1 (December 30, 1988). The Bulletin acknowledged that the NRC was working with the BWR Owners' Group (BWROG) to develop generic approaches to resolve this issue. The resulting BWROG efforts have led to the solution concepts and supporting methodology described in NEDO-31960 and NEDO-31960, Supplement 1 "BWR Owners' Group Long-Term Stability Solutions Licensing Methodology." NRC acceptance of the BWROG-developed solution concepts and supporting methodology is indicated in Reference 2. Plans have been formulated for implementing a stability long-term solution.

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RESPONSE TO NRC GENERIC LETTER 94-02, ACTION NO. 2

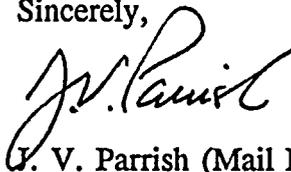
Based on the technical progress that has been made in the BWROG stability program and the degree of NRC acceptance indicated in Reference 2, plans have been formulated for implementing a stability long-term solution. WNP-2 has elected to proceed with a solution which introduces new plant hardware/software to provide early detection of oscillations and to initiate an appropriate mitigating action. This Reactor Stability Long Term Solution features the Enhanced Option 1-A concept described in NEDO-32339. To complete this activity, WNP-2 is participating with other utilities under a BWROG program and has contracted with GE to develop the hardware/software design and deliver the final product.

The milestones in which WNP-2 is scheduling implementation of the long-term solution, contingent upon final approval by the NRC, are outlined below.

- | | |
|---|---|
| ● Start design change package | 1995 (fourth quarter) |
| ● Procurement | 1995 (fourth quarter) through
1996 (third quarter) |
| ● Installation work packages completed | 1997 (first quarter) |
| ● Technical Specification Change Request Approved | 1997 (first quarter) |
| ● Trip Function Armed | 1998 (second quarter) |

Should you have any questions or desire additional information regarding this matter, please call me or Mr. P.R. Bemis at (509) 377-4027.

Sincerely,



J. V. Parrish (Mail Drop 1023)
Vice-President, Nuclear Operations

MAN/ml

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