

June 14, 2001

MEMORANDUM TO: Richard L. Emch, Section Chief  
Project Directorate II  
Division of Licensing and Project Management  
Office of Nuclear Reactor Regulation

FROM: Evangelos C. Marinos, Section Chief (*/RA by ECMarinos*)  
Electrical and Instrumentation & Controls Branch  
Division of Engineering  
Office of Nuclear Reactor Regulation

SUBJECT: NORTH ANNA UNIT 2 - DELETION OF OBSOLETE LICENSE  
CONDITIONS

Plant Name: North Anna Power Station Unit 2  
Licensee: Virginia Electric and Power Company.  
TAC Nos: MB0962  
Docket Nos: 50-339  
Operating License: NPF-7  
Project Directorate: PD II  
Responsible PM: S. Monarque  
Review Branch: EEIB  
Review Status: Complete

By letter dated *January 9, 2001*, Virginia Electric and Power Company (the licensee), proposed license amendments for North Anna Power Station Unit 2. The proposed amendments will remove obsolete license conditions from the operating license. These changes will facilitate planned conversion to improved technical specifications and submittal of a license renewal application. The Electrical Instrumentation and Control Branch reviewed the instrumentation and control portion of the licensee's evaluation and found it acceptable.

The attached safety evaluation confirms the acceptability of the proposed license amendments.

Attachment: As Stated

CONTACT: Sang Rhow, EEIB  
415-2826

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EEIB R/F

**ADAMS ACCESSION No.:ML011650503**

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DATE	06/14/01	06/ /01	06/14/01

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SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
LICENSE CHANGES BY DELETION OF OBSOLETE LICENSE CONDITIONS  
VIRGINIA ELECTRIC AND POWER COMPANY  
NORTH ANNA POWER STATION UNIT 2  
DOCKET NO. 50-339

1.0 INTRODUCTION

By letter dated *January 9, 2001*, Virginia Electric and Power Company (the licensee), proposed license amendments in form of revisions to Facility Operating License Number NPF-7 for North

Anna Power Station Unit 2. The proposed administrative changes will remove obsolete license conditions from the operating license. These changes will facilitate the licensee's planned conversion to Improved Technical Specifications and submittal of license renewal application.

The original issuance of the North Anna Unit 2 Facility Operating License, NPF-7, contained a significant amount of license conditions. North Anna Unit 2 was the first full power operating license issued following the Three Mile Island accident. Due to the dynamic regulatory environment at that time, many conditional requirements were placed on the Unit 2 Facility Operating License (FOL) to address outstanding licensing issues and facilitate issuance of the FOL. Since the original issuance of the North Anna Unit 2 FOL, several additional requirements have been incorporated into the license via the license amendment process pursuant to 10 CFR 50.90. In some cases, license amendments have removed certain license conditions when they were no longer applicable. In other cases, license conditions have been left intact even though they are no longer required. The majority of the original license conditions remain in the current version of the Unit 2 FOL.

Virginia Electric and Power Company is proposing administrative changes to the North Anna Unit 2 FOL to remove those license conditions that no longer apply or that could be relocated within the FOL to provide a more consistent and concise license format. This proposed FOL includes minor editorial changes for consistency.

Revision of the North Anna Unit 2 FOL is being proposed to retain only those license conditions that remain pertinent to current station operations. The intent is to provide a North Anna Unit 2 license document for license renewal and conversion to the Improved Technical Specifications that does not contain unnecessary or obsolete requirements and that is directly applicable to the current plant design and licensing bases.

## 2.0 DISCUSSION

1) License Condition 2.C(4)c - This original license condition contained five separate requirements. License Amendment No. 90 dated May 26, 1988 deleted all but one. The remaining item involves testing of the wide-range and narrow-range resistance temperature detectors (RTDs) on the Unit reactor coolant system (RCS) until such time that the RTDs would be replaced with fully qualified components. These RTDs were replaced with

### **ATTACHMENT**

qualified components in 1984. A design change that modified the RCS temperature monitoring system RTDs are fully qualified, eliminating the need for the requirements of this license condition. Inspection Report No. 50-339-84-33 identified that this item was inspected and closed. Therefore, the proposed change to remove License Condition 2.C(4)c is acceptable since the condition of replacement of components in item c has been met.

2) License Condition 2.C(20)(a) - This item involves an "evaluation of benefits" regarding the installation of data recording and data logging equipment as part of the control room design review (CRDR) effort per NUREG-0737, Item I.D.1. Inspection Report No. 50-339-84-33 (Item 9) identified that this license condition was open at that time. The inspection report states, however, that due date was being tracked as part of the licensee commitment to NUREG-0737, Supplement 1. The licensee submitted the results of the detailed CRDR in 1986 per the schedule commitments for NUREG-0737, Supplement 1. The NRC approved the control room design review to close the issue of NUREG-0737, Supplement 1, in the SER dated February

28, 1990. Therefore, the proposed change to remove this License Condition 2.C(20)(a) is acceptable.

3) License Condition 2.C.(21)(i) - This license condition involves the installation of additional accident monitoring instrumentation as presented in NUREG-0737, Item II.F.1. The closure of each of the items is discussed below. Inspection Report 50-339-84-33 closed this license condition except for few conditions in Item II.F.1 requirements which were closed as noted below.

Monitoring instrumentation for noble gas effluents at each potential release point (II.F.1.1) and continuous sampling for radioiodine and particulates (II.F.1.2) were inspected and closed in Inspection Report No. 50-339-87-08 (Item 6).

Monitoring instrumentation for containment high range radiation (II.F.1.3) was inspected and closed in Inspection Report No. 50-339-84-07 Item 9).

Monitoring instrumentation for containment pressure (II.F.1.4), containment water level (II.F.1.5), and containment atmosphere hydrogen concentration (II.F.1.6) were all inspected and closed in Inspection Report No. 50-339-84-06. NRC accepted the installed monitoring instrumentation in an SER dated April 21, 1983 to close Items II.F.1.4, II.F.1.5, and II.F.1.6.

As discussed the above, the proposed change to remove License Condition 2.C(21)(i) is acceptable.

4) License Condition 2.C(21)(j) - This license condition involves the installation and demonstration of additional inadequate core cooling instrumentation (NUREG-0737, Item II.F.2). The North Anna SER (NUREG-0053) addressed the issue of inadequate core cooling instrumentation. Inspection Report No. 50-339-84-33 closed this license condition. Therefore, the proposed change to remove this license condition is acceptable.

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### 3.0 CONCLUSION

Based on the above discussion, the staff concludes that the licensee's proposed changes to remove the license conditions are acceptable.

Principal Contributor: S Rhow, EEIB/DE  
415-2826

Date: 6/19/01

