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## **INFORMAL REPORT**

CONFORMANCE TO ITEM 2.1 (PART 2) OF GENERIC  
LETTER 83-28, REACTOR TRIP SYSTEM VENDOR INTERFACE  
NORTH ANNA-1 AND -2, SURRY-1 AND -2

F. G. Farmer

Prepared for the  
**U.S. NUCLEAR REGULATORY COMMISSION**

8706050302 870414  
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CONFORMANCE TO  
ITEM 2.1 (PART 2) OF GENERIC LETTER 83-28  
REACTOR TRIP SYSTEM VENDOR INTERFACE  
NORTH ANNA-1 AND -2  
SURRY-1 AND -2

F. G. Farmer

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Idaho National Engineering Laboratory  
EG&G Idaho, Inc.  
Idaho Falls, Idaho 83415

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### ABSTRACT

This EG&G Idaho, Inc. report provides a review of the submittals for four of the Westinghouse (W) nuclear plants for conformance to Generic Letter 83-28, Item 2.1 (Part 2). The report includes the following Westinghouse plants, and is in partial fulfillment of the following TAC Nos.:

<u>Plant</u>	<u>Docket Number</u>	<u>TAC Number</u>
North Anna-1	50-338	52858
North Anna-2	50-339	52859
Surry-1	50-280	52886
Surry-2	50-281	52887

## FOREWORD

This report is provided as part of the program for evaluating licensee/applicant conformance to Generic Letter 83-28, "Required Actions Based on Generic Implications of Salem ATWS Events." This work is conducted for the U. S. Nuclear Regulatory Commission, Office of Nuclear Reactor Regulation, Division of PWR Licensing-A by EG&G Idaho, Inc.

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CONFORMANCE TO  
ITEM 2.1 (PART 2) OF GENERIC LETTER 83-28  
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NORTH ANNA-1 AND -2  
SURRY-1 AND -2

1. INTRODUCTION

On July 8, 1983, Generic Letter 83-28<sup>1</sup> was issued by D. G. Eisenhut, Director of the Division of Licensing, Office of Nuclear Reactor Regulation, to all licensees of operating reactors, applicants for operating licenses, and holders of construction permits. This letter included required actions based on generic implications of the Salem ATWS events. These requirements have been published in Volume 2 of NUREG-1000, "Generic Implications of ATWS Events at the Salem Nuclear Power Plant."<sup>2</sup>

This report documents the EG&G Idaho, Inc. review of the submittals of four of the Westinghouse plants, North Anna-1 and -2 and Surry-1 and -2, for conformance to Item 2.1 (Part 2) of Generic Letter 83-28. The submittal from the licensee utilized in these evaluations is referenced in Section 7 of this report.

## 2. REVIEW REQUIREMENTS

Item 2.1 (Part 2) (Reactor Trip System - Vendor Interface) requires licensees and applicants to establish, implement and maintain a continuing program to ensure that vendor information on Reactor Trip System (RTS) components is complete, current and controlled throughout the life of the plant, and appropriately referenced or incorporated in plant instructions and procedures. The vendor interface program is to include periodic communications with vendors to assure that all applicable information has been received, as well as a system of positive feedback with vendors for mailings containing technical information, e. g., licensee/applicant acknowledgement for receipt of technical information.

That part of the vendor interface program which ensures that vendor information on RTS components, once acquired, is appropriately controlled, referenced and incorporated in plant instructions and procedures, will be evaluated as part of the review of Item 2.2 of the Generic Letter.

Because the Nuclear Steam System Supplier (NSSS) is ordinarily also the supplier of the entire RTS, the NSSS is also the principal source of information on the components of the RTS. This review of the licensee and applicant submittals will:

1. Confirm that the licensee/applicant has identified an interface with either the NSSS or with the vendors of each of the components of the Reactor Trip System.
2. Confirm that the interface identified by licensees/applicants includes periodic communication with the NSSS or with the vendors of each of the components of the Reactor Trip System.
3. Confirm that the interface identified by licensees/applicants includes a system of positive feedback to confirm receipt of transmittals of technical information.



### 3. GROUP REVIEW RESULTS

The relevant submittals from each of the included reactor plants were reviewed to determine compliance with Item 2.1 (Part 2). First, the submittals from each plant were reviewed to establish that Item 2.1 (Part 2) was specifically addressed. Second, the submittals were evaluated to determine the extent to which each of the plants complies with the staff guidelines for Item 2.1 (Part 2).

## 4. REVIEW RESULTS FOR NORTH ANNA-1 AND -2

### 4.1 Evaluation

Virginia Electric and Power Company, the licensee for North Anna-1 and -2, provided their response to Item 2.1 (Part 2) of the Generic Letter on February 8, 1985. In that response, the licensee confirms that the NSSS for North Anna is Westinghouse and that the Reactor Trip System (RTS) for North Anna is included as a part of the Westinghouse interface program established for the North Anna NSSS.

The Westinghouse interface program for the NSSS includes both periodic communication between Westinghouse and licensees/applicants and positive feedback from licensees/applicants in the form of signed receipts for technical information transmitted by Westinghouse.

### 4.2 Conclusion

We find the licensee's confirming statement that North Anna is a participant in the Westinghouse interface program for the RPS meets the staff position on Item 2.1 (Part 2) of the Generic Letter and is, therefore, acceptable.

## 5. REVIEW RESULTS FOR SURRY-1 AND -2

### 5.1 Evaluation

Virginia Electric and Power Company, the licensee for Surry-1 and -2, provided their response to Item 2.1 (Part 2) of the Generic Letter on February 8, 1985. In that response, the licensee confirms that the NSSS for Surry is Westinghouse and that the Reactor Trip System (RTS) for Surry is included as a part of the Westinghouse interface program established for the Surry NSSS.

The Westinghouse interface program for the NSSS includes both periodic communication between Westinghouse and licensees/applicants and positive feedback from licensees/applicants in the form of signed receipts for technical information transmitted by Westinghouse.

### 5.2 Conclusion

We find the licensee's confirming statement that Surry is a participant in the Westinghouse interface program for the RPS meets the staff position on Item 2.1 (Part 2) of the Generic Letter and is, therefore, acceptable.

## 6. GROUP CONCLUSION

We conclude that the licensee/applicant responses for the listed Westinghouse plants for Item 4.5.2 of Generic Letter 83-28 are acceptable.

## 7. REFERENCES

1. NRC Letter, D. G. Eisenhut to all licensees of Operating Reactors, Applicants for Operating License, and Holders of Construction Permits, "Required Actions Based on Generic Implications of Salem ATWS Events (Generic Letter 83-28)," July 8, 1983.
2. Generic Implications of ATWS Events at the Salem Nuclear Power Plant NUREG-1000, Volume 1, April 1983; Volume 2, July 1983.
3. Virginia Electric and Power Company letter to NRC, W. L. Stewart, to Harold R. Denton, Director, Office of Nuclear Reactor Regulation, "Revision to Generic Letter 83-28," February 8, 1985.

<p>NRC FORM 335 (2-84) NRCM 1102, 3201, 3202</p> <p align="center"><b>BIBLIOGRAPHIC DATA SHEET</b></p> <p>SEE INSTRUCTIONS ON THE REVERSE</p>	<p align="center">U.S. NUCLEAR REGULATORY COMMISSION</p> <p>1. REPORT NUMBER (Assigned by TIDC, add Vol. No., if any)</p> <p align="center">EGG-NTA-7625</p>								
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<p>13. ABSTRACT (200 words or less)</p> <p>This EG&amp;G Idaho, Inc. report presents the results of our evaluation of the submittals of some of the Westinghouse nuclear plants for conformance to Generic letter 83-28, Item 2.1 (Part 2).</p>									
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