



EG&G
ENERGY MEASUREMENTS GROUP

EGG 1183-4183
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**TECHNICAL EVALUATION OF THE LICENSEE'S RESPONSE
TO I&E BULLETIN 80-06
CONCERNING ESF RESET CONTROLS FOR THE
PRAIRIE ISLAND NUCLEAR GENERATING PLANT,
UNITS 1 AND 2**

(DOCKET NOS. 50-282 and 50-306)

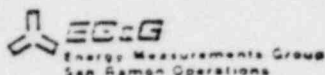
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INTERIM REPORT



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Technical Evaluation of the Licensee's Response to I&E Bulletin 80-06 Concerning ESF Reset Controls for the Prairie Island Nuclear Generating Plant, Units 1 and 2

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P. Bender/R. Wilson, ICSB

This document was prepared primarily for preliminary or internal use. It has not received full review and approval. Since there may be substantive changes, this document should not be considered final.

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INTERIM REPORT

POOR ORIGINAL

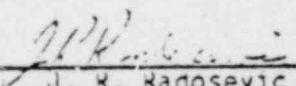
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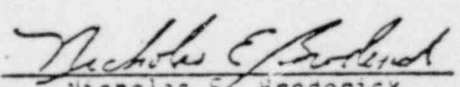
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1. INTRODUCTION

On March 13, 1980, the USNRC Office of Inspection and Enforcement (I&E), issued I&E Bulletin 80-06, entitled "Engineered Safety Feature (ESF) Reset Controls," to all PWR and BWR facilities with operating licenses. I&E Bulletin 80-06 requested that the following actions be taken by the licensees:

- (1) Review the drawings for all systems serving safety-related functions at the schematic/elementary diagram level to determine whether or not upon the reset of an ESF actuation signal all associated safety-related equipment remains in its emergency mode.
- (2) Verify that the actual installed instrumentation and controls at the facility are consistent with the schematics reviewed in Item 1 above by conducting a test to demonstrate that all equipment remains in its emergency mode upon removal of the actuating signal and/or manual resetting of the various isolating or actuation signals. Provide a schedule for the performance of the testing in your response to this bulletin.
- (3) If any safety-related equipment does not remain in its emergency mode upon reset of an ESF signal at your facility, describe proposed system modification, design change, or other corrective action planned to resolve the problem.
- (4) Report in writing within 90 days the results of your review, include a list of all devices which respond as discussed in Item 3 above, actions taken or planned to assure adequate equipment control, and a schedule for implementation of corrective action.

This technical evaluation addresses the licensee's response to I&E Bulletin 80-06 and the licensee's proposed system modification, design change, and/or other corrective action planned to resolve the problem. In evaluating the licensee's response to the four Action Item requirements of the bulletin, the following NRC staff guidance is also used:

Upon the reset of ESF signals, all safety-related equipment shall remain in its emergency mode. Multiple reset sequencing shall not cause the affected equipment to deviate from its emergency mode. Justification should be provided for any exceptions.

2. EVALUATION AND CONCLUSIONS

In a letter dated June 2, 1980 [Ref. 1], Northern States Power Company (NSP), the licensee for Prairie Island Nuclear Generating Plants, Units 1 and 2, replied to I&E Bulletin 80-06.

Northern States Power reported that they had completed a review of the safety system schematics for Prairie Island Nuclear Generating Plant. The licensee stated that their safety-related equipment remains in its emergency mode upon reset of the safety signals. We conclude that the licensee has complied with Action Items 1, 3, and 4 of I&E Bulletin 80-06.

The licensee committed to test each unit at its next refueling outage to demonstrate that the safety-related equipment remains in its emergency mode after reset. The next scheduled refueling outages were stated to be in August/September, 1980 for Unit 1 and in February/March, 1981 for Unit 2. We conclude that the licensee has complied with Action Item 2 of I&E Bulletin 80-06 by providing this schedule.

3. FINDINGS

Based on our review of the information and documents provided by the licensee, we find that the ESF reset controls for Prairie Island Nuclear Generating Plant, Units 1 and 2 satisfy the requirements of I&E Bulletin 80-06.

REFERENCES

1. Northern States Power Company letter (D.E. Gilberts) to NRC (J. G. Keppler), Dockets 50-282 and 50-306, no title, dated June 9, 1980.