



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

FEB 05 1986

Docket Nos. 50-282
50-306

Mr. D. M. Musolf
Nuclear Support Services Dept.
414 Nicollet Mall
Midland Square - 4th Floor
Minneapolis, Minnesota 55401

Dear Mr. Musolf:

SUBJECT: SUPPLEMENT 1 TO NUREG-0737, REQUEST FOR EXTENTION OF TIME FOR
COMMISSION ORDER DATED JUNE 14, 1984

Re: Prairie Island Nuclear Generating Plant, Unit Nos. 1 and 2

By letter dated November 27, 1985, you requested that we extend the completion date for items 1b and 3b dealing with the Safety Parameter Display System (SPDS) being fully operational and the requirements of Regulatory Guide 1.97 contained in the Commission Order dated June 14, 1984, relating to Supplement 1 of NUREG-0737. The Commission Order allows an extension of time to be granted by the Director of the Division of Licensing for good cause shown.

In your November 27, 1985 submittal, you requested that the completion date for item 1b (related to SPDS) be extended to December 31, 1986 for both units. You also requested that the completion date for item 3b (meeting the requirements of Regulatory Guide 1.97, Revision 2) be extended to June 30, 1987 for both units.

You stated in your request that the schedular extension for completing the installation of the SPDS (item 1b) was necessary because of significant delays in the development of a generic software package necessary to scan, process, and display the SPDS inputs. The software package is required in the operation of the new plant data acquisition and computer system which supports the SPDS system. The delays were caused by (1) the vendor's decision to develop a standard generic product to support scan logging and alarming systems for all its projects instead of producing a custom package for your plant, (2) the vendor underestimated the required efforts because of the complexity involved which resulted in establishing unrealistic schedules, (3) management reorganized and restaffed which resulted in additional delays

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without success, and (4) the contract was terminated with the original vendor and an alternate vendor had to be selected. Attachment 1 of your submittal showing the sequence of events, indicates that you had taken reasonable steps to monitor and expedite the project and you have tried to minimize delays. In addition, the problems associated with your initial vendor were unforeseen and, therefore, could not be considered in the terms of the June 14, 1984, Commission Order. Judging from the information in your submittal and the problems associated with your initial vendor, we conclude that the time extension is reasonable when considering the work involved. Therefore, we find that the proposed schedule is consistent with a proper level of remaining work activities needed to complete the implementation of the SPDS (item 1b) and, thus, we find that you have shown a good faith effort. Therefore, in accordance with the terms of the June 14, 1984, Commission Order, we conclude that there is adequate justification for modifying the Commission's Order and are hereby granting the extension of item 1b until December 31, 1986, for both units.

In support for the schedular extension for item 3b, "Compliance with Regulatory Guide 1.97, Revision 2," you stated that additional time is required for engineering, procurement and plant construction to be coordinated with future refueling outages in order to complete modifications in several plant areas. The plant modifications resulted from our review of your responses to Generic Letter (GL) 82-33, transmitted by your letters dated April 15, 1983, January 18 and June 6, 1985 and our safety evaluation transmitted by our letter dated October 18, 1985 describing the modifications. Specifically, plant modifications that resulted from our review of your submittals that are deemed requirements of Regulatory Guide 1.97, Revision 2, are (1) the installation of a power monitoring system for the pressurizer heaters, (2) replacement of the nonqualified instrumentation associated with steam generator wide-range level indication to a fully qualified system, (3) installation of temperature sensors at the RHR heat exchanger inlet, and (4) upgrading the containment air temperature sensors and display to meet the environmental qualification pursuant to 10 CFR 50.49.

The nature of these modifications was not considered when the initial schedule was developed for the confirmatory order. Moreover, the modifications were not known until our review was completed. In responding to the results of our review, you immediately agreed to increase the scope of the modifications and expeditiously planned for their implementation. Judging from the response, the nature of the modifications involved and coordination necessary for plant construction with the planned refueling outages, we conclude that the time extension is reasonable. Therefore, we find that the proposed schedule is consistent with similar work activities performed in the past, and thus you have shown a good faith effort. Therefore, in accordance with the terms of the June 14, 1984, Commission Order, we conclude that there is adequate justification for modification of the Commission's Order and hereby grant the extension of item 3b (compliance with Regulatory Guide 1.97, Revision 2) until June 30, 1987 for both units.

Your proposed deviation related to the modification of temperature sensors

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at the RHR heat exchanger inlet and the clarification associated with the construction of the fiber optic cable is under staff review and will be addressed in a separate letter.

For your convenience, a copy of the revised table which was included with the Commission's Order is enclosed.

Sincerely,

Original signed by:
Thomas M. Novak

Thomas M. Novak, Acting Director
Division of PWR Licensing-A

Enclosure:
Revised Table

cc's next page

See previous concurrences.

Office: LA/PAD#1

PM/PAD#1

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No local
OELB
S BURNS
Al Hodgdon/

D/PWR-A

Surname: PShuttleworth*

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jm
T NOVAK

Date: 1/23/86

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1/27/86

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the terms of June 14, 1984, Commission Order, we conclude that there is adequate justification for modification of the Commission's Order and hereby grant the extension of item 3b (compliance with Regulatory Guide 1.97, Revision 2) from three months after returning to power following the 1986 refueling (cycle 11) for Unit No. 1 and four months after returning to power following 1985 refueling (cycle 10) for Unit No. 2, to June 30, 1987 for both units.

Your proposed deviation related to the modification of temperature sensors at the RHR heat exchanger inlet and the clarification associated with the construction of the fiber optic cable is under staff review and will be addressed in a separate letter. The deviation of the temperature sensor location and clarifications of the fiber optic cable was confirmed with the project manager as to have no future affect on this time extension and was factored into this request.

For your convenience, a copy of the revised table which was included with the Commission's Order is enclosed.

Sincerely,

Thomas M. Novak, Acting Director
Division of PWR Licensing-A

Enclosure:
Revised Table

cc's next page

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| Office: | LA/PD#1 | PM/PD#1 | OELD | D/PAD#1 | D/PWRL-A |
| Surname: | PShuttieworth | DDiIanni | <i>[Signature]</i> | GLear | HThompson |
| Date: | 1/25/86 <i>MPLR</i> | 1/22/86 <i>[Signature]</i> | SBurns | / /8 | / /8 |
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Mr. D. M. Musolf
Northern States Power Company

Prairie Island Nuclear Generating
Plant

cc:

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Mr. William Miller, Auditor
Goodhue County Courthouse
Red Wing, Minnesota 55066

LICENSEE'S COMMITMENTS ON SUPPLEMENT 1 TO NUREG-0737

| TITLE | REQUIREMENT | SCHEDULE (OR STATUS) |
|---|--|-----------------------------------|
| 1. Safety Parameter Display System (SPDS) | 1a. Submit a safety analysis and implementation plan to the NRC. | Complete |
| | 1b. SPDS fully operational and operators trained. | December 31, 1986, for both units |
| 2. Detailed Control Room Design Review (DCRDR) | 2a. Submit a program plan to the NRC. | Complete |
| | 2b. Submit a summary report to the NRC including a proposed schedule for implementation. | Complete |
| 3. Regulatory Guide 1.97 - Application to Emergency Response Facilities | 3a. Submit a report to the NRC describing how the requirements of Supplement 1 to NUREG-0737 have been, or will be, met. | Complete |
| | 3b. Implement (installation or upgrade) requirements | June 30, 1987 for both units |

LICENSEE'S COMMITMENTS ON SUPPLEMENT 1 TO NUREG-0737

| TITLE | REQUIREMENT | SCHEDULE (OR STATUS) |
|--|--|----------------------|
| 4. Upgrade Emergency Operating Procedures (EOPs) | 4a. Submit a Procedures Generation Package to the NRC. | Complete |
| | 4b. Implement the upgraded EOPs. | Complete |
| 5. Emergency Response Facilities | 5a. Technical Support Center fully functional. | Complete* |
| | 5b. Operational Support Center fully functional. | Complete* |
| | 5c. Emergency Operations Facility fully functional. | Complete* |

* Enhancement to be completed with implementation of R.G. 1.97 (3b above) and SPDS operational (1b above).

Distribution Copies:

Docket File 50-282/50-306

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TBarnhart (8)

ACRS (10)

SECY

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PAD1 p/s file

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