

Docket File
DCS MS-016

NOV 23 1981

Docket Nos. 50-282
and 50-306



Mr. L. O. Mayer, Manager
Nuclear Support Services
Northern States Power Company
414 Nicollet Mall - 8th Floor
Minneapolis, Minnesota 55401

Dear Mr. Mayer:

This letter is in response to the design plan for the Emergency Response Facilities of the Prairie Island Nuclear Generating Plant which was submitted by Northern States Power Company (NSP) in response to the Generic Letter 81-10 from the Director of Licensing. Enclosed is an evaluation of how well this design plan meets the overall design concepts of NUREG-0696, "Functional Criteria for Emergency Response Facilities".

The conceptual design approach of NSP's Emergency Response Facilities appears to follow the broad concepts given in NUREG-0696, however, the information submitted is inadequate to determine if a number of details of this design meet the specific criteria set forth in the NUREG. In addition, there are several items which do not appear to meet specific criteria in NUREG-0696 and no adequate clarification or justification for these deviations is given.

The items which do not appear to meet the specific criteria and the deviations not adequately justified are the following:

1. The size of the TSC.
2. The lack of dedicated communications between the control room, the TSC and the OSC.
3. The locating of the backup EOF 55 miles from the plant.

The principal information inadequacies with NSP's design plan are the following:

1. The functions of the TSC, the OSC and the EOF.
2. The location of the functional work areas, emergency staff and arrangement of work spaces with the necessary data and communications hardware for the TSC and the EOF.

*TSC - Technical Support Center
*EOF - Emergency Operations Facility
*OSC - Operations Support Center

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3. The size and layout of the OSC.
4. The structural and habitability requirements for the EOF and the TSC.
5. The radiological monitoring systems to be used in the TSC, the OSC and the EOF.
6. The design, hardware, location, software and layout of the Phase II and III data acquisition systems and their schedule of implementation.
7. The control room emergency functions and interfaces with the other emergency response facilities.

Your conceptual design plan is considered acceptable providing you correct the deficiencies given above and assuming that the items for which no evaluation could be made because of inadequate information meet the criteria of NUREG-0696. It is recommended that you review this evaluation report based on draft NUREG-0814, "Methodology for Evaluation of Emergency Response Facilities" in detail and revise the design of the Prairie Island Emergency Response Facilities accordingly. Deficiencies and items for which inadequate information was provided will receive special attention during the NRC post-implementation inspection. Should you desire an additional review of your revised design prior to our post-implementation inspection you must submit the revised material within 45 days of the date of this letter. We would then provide you with the results of our review within 40 days of the date of receipt of your resubmittal.

NSP will be responsible for the timely implementation of the NUREG-0696 criteria regardless of whether you request an additional design review by the NRC staff. However, any resubmitted items reviewed and found acceptable will not be included with the items to receive special attention during the NRC post-implementation inspection.

Sincerely,

Original signed by
Robert A. Clark

Robert A. Clark, Chief
Operating Reactors Branch #3
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Office of Nuclear Reactor Regulation

Enclosure: As stated

cc: See next page

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