

Docket Nos. 50-263, 50-282
and 50-306

MAR 12 1974

Northern States Power Company
ATTN: Mr. L. O. Mayer, PE
Director of Nuclear Support
Services
414 Nicollet Avenue
Minneapolis, Minnesota 55401

Gentlemen:

By letters dated December 17, 1973, in accordance with the requirements of 10 CFR Part 50, you submitted a proposal for our approval for the requalification of the licensed operators and senior operators at the Monticello Nuclear Generating Plant and the Prairie Island Nuclear Generating Plant. We have reviewed your proposed program and we conclude that the additional information identified in Attachment A is required before we can act on your proposal. In order that we may expedite our review, please submit the requested information thirty (30) days from the date of this letter.

Sincerely,

ORIGINAL SIGNED BY
P. F. COLLINS

Paul F. Collins, Chief
Operator Licensing Branch
Directorate of Licensing

Enclosures:

1. Attachment A - Request for Additional Information
2. Attachment B - Acceptable Reactivity Control Manipulations

cc: See next page.

PK
3/7/74

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DATE ▶	3/6/74	3/7/74	3/7/74			

MAR 12 1974

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ATTACHMENT A
MONTICELLO NUCLEAR GENERATING STATION
PRAIRIE ISLAND NUCLEAR GENERATING PLANT
DOCKET NOS. 50-263, 50-282, and 50-306

1. General

- a. Your program indicates that unlicensed individuals will participate in the program and Section 2.C provides a criteria for lecture attendance. Appendix A of 10 CFR Part 55 addressed only licensed individuals. Consequently, we do not believe it appropriate to address unlicensed individuals in this program. Appropriate credit for participation in the program will be given to individuals who apply for operator or senior operator licenses. Please delete references to unlicensed individuals from your program.
- b. Your program indicates that you plan to use films, video tapes and individual study material to supplement the lecture series. We believe that no more than 50% of the lecture series should be supplemented by use of films and tapes.
- c. Your program is designed to be completely administered at each facility. However, you did indicate that you plan to use nuclear power plant simulator, if necessary. We believe that the use of a nuclear power plant simulator would constitute a change in scope pursuant to Section 10 CFR 50.54(i)(1). Consequently, we would have to review your plans prior to implementation.

2. Sections 2.F and 3.F

Please provide a complete listing of control manipulations for which individuals will be given credit pursuant to 3a of Appendix A. Enclosed is a listing of control manipulations that we believe meet the requirements of Appendix A. In addition, we cannot permit a variance from the 10 control manipulations during a two year period. Please make the appropriate changes in your program.

3. Sections 2.B, 2.C, 3.A, 3.B and 3.C

We believe that the lecture series and related evaluations are acceptable except that a criteria should be provided for mandatory attendance at a lecture on a given subject. We believe that if an individual receives less than 80% in a category on the annual examination, he should be required to attend a lecture on that topic. Also, we believe that an individual enrolled in an accelerated program pursuant to 3A of your program, should not perform licensed duties. Course content and duration, of course, must be based on the individual case.

4. Section 3.E

Section 55.31(e) requires Commission approval prior to resuming licensed duties. However, we believe your criteria for determining that an individual may resume licensed duties is acceptable.

ATTACHMENT B

The following control manipulations are acceptable for meeting the requirements of paragraph 3a of Appendix A, 10 CFR Part 55. However, we expect that each individual would perform a mix of reactivity control manipulations.

Pressurized Water Reactors

1. Startup to the point of adding heat.
2. Orderly shutdown.
3. Manual control of S/G's during startup and shutdown.
4. Operation of EHC in manual during startup.
5. Boration during power operation.
6. Dilution.
7. Operation of manipulator crane during refueling over the core.
8. Control manipulation during significant ($>10\%$) power changes.
9. Manual rod control prior to and during generator synchronization.

Boiling Water Reactors

1. Plant or reactors startups to include a range such that reactivity feedback from heat addition is noticeable.
2. Orderly plant shutdown.
3. Control rod sequence changes.
4. Shutdown margin checks.
5. Control rod scram insertion time tests.
6. Any reactor power change of 10% or greater, including testing of equipment where load changes are performed with control rods, "load selector" of the EHC system or where the recirculation system is in manual speed control.
7. Plant and reactor operation that involves emergency or transient procedures when reactivity is changing by 10% or more.
8. Refueling operations where fuel is moved over the core.