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 FACIL:50-263 Monticello Nuclear Generating Plant, Northern States 05000263
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 MAYER,L.O. Northern States Power Co.
 RECIP.NAME RECIPIENT AFFILIATION
 Office of Nuclear Reactor Regulation, Director

SUBJECT: Advises that time-motion study & dose rate calculation using relevant dose rates completed per NUREG-0578, Item 2.1.8.a. New post-accident sampling station will be installed.

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JUL 11 1980



N O R T H E R N S T A T E S P O W E R C O M P A N Y

Minneapolis, Minnesota 55401

June 30, 1980

Director of Nuclear Reactor Regulation
United States Nuclear Regulatory Commission
Washington, D. C. 20555

Monticello Nuclear Generating Plant
Docket No. 50-263 License No. DPR-22

Lessons Learned Implementation

During the recent NRC inspection of the Monticello Plant radiation protection program, the inspection team found that the sampling dose rate assessment performed to satisfy the January 1, 1980 Lessons Learned requirement for post accident sampling, NUREG 0578 item 2.1.8.a, was not well documented. Further, it was found that the dose rates assumed in the assessment were incorrect. This information was transmitted verbally to Mr. Dave Verrelli of your staff on Friday, June 20, 1980.

A documented time-motion study and dose rate calculation using appropriate dose rates has been completed. The expected whole body dose to obtain a primary coolant sample under Regulatory Guide 1.3 conditions was found to be about 6 Rem. This assumes no dilution of primary coolant and no additional shielding. In any credible accident, the primary coolant would be significantly diluted by ECCS operation, and the dose would be reduced accordingly. Also, additional lead blanket shielding will be installed around the sample line coolers and sample lines connecting to the sample hood.

The dose rates in the areas involved in obtaining a primary containment sample under Regulatory Guide 1.3 Conditions are in the 500 to 5000 R/hr range. No practical amount of shielding could cause a significant reduction of the dose rate in these areas.

We will install a new post-accident sampling station which will be located and shielded to meet all of the item 2.1.8.a requirements. This installation is currently expected to be completed prior to January 1, 1981.

L. O. Mayer, P.E.
Manager of Nuclear Support Services

cc: J. G. Keppler
G. Charnoff

Attachment

Acc'd
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