

SEP 2 1982

Docket No. 50-220

Mr. Donald P. Dise
Vice President - Engineering
c/o Miss Catherine R. Seibert
Niagara Mohawk Power Corporation
300 Erie Boulevard - West
Syracuse, New York 13202

Dear Mr. Dise:

SUBJECT: RECIRCULATION SYSTEM PIPING

Re: Nine Mile Point Nuclear Station, Unit No. 1

By letter dated August 6, 1982 you provided information regarding plans for replacing all of the the 28-inch recirculation system piping, such work to be done in conjunction with your safe-end replacement program authorized by Amendment No. 49 to Facility Operating License No. DPR-63 for the Nine Mile Point Nuclear Station, Unit No. 1.

This letter addresses the acceptability of your program related specifically to those aspects associated with recirculation system piping removal and the attendant mitigation of worker radiation doses.

Section 2.D(6)c. and d. of Amendment No. 49 to your license established various license conditions related to safe-end replacement. These conditions required: (1) collective occupational dose estimates weekly, (2) notification if estimates exceed 2906 person-rem by more than 10% and (3) progress reports at 90-day intervals. By letter dated August 6, 1982, as supplemented by letters of August 16 and 26, 1982, you provided a revised dose estimate associated with safe-end replacement, as well as new dose estimates for the removal of recirculation system piping. The dose estimate associated with removal of the recirculation piping was estimated to be 533 person-rem. You also provided information which revised the dose estimate associated with safe-end replacement downward from 2906 person-rem to 2036 person-rem. We have reviewed your revised dose estimates as related to the 2906 person-rem specified in Section 2.D(6)c. of Amendment No. 49 to your license. We find that the combined total person-rem exposure estimate associated with the removal of all of the recirculation system piping, as well as the safe-end replacement, is bounded by the license condition.

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Based on our review, we conclude that the expected total person-rem exposure estimate associated with recirculation piping removal is as-low-as-reasonably-achievable (ALARA) and is bounded by the cited conditions specified in license Amendment No. 49. Therefore, by this letter the recirculation piping removal is approved and you are authorized to proceed with the removal activities.

As discussed with members of your staff, we require that you provide additional information for our review before we can authorize replacement of the recirculation piping.

Sincerely,

*Original signed by
D. B. Vassallo*

Domenic B. Vassallo, Chief
Operating Reactors Branch #2
Division of Licensing

cc: See next page

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Mr. Donald P. Dise

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