



Northern States Power Company

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November 9, 1992

Generic Letter 89-08

U S Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

PRAIRIE ISLAND NUCLEAR GENERATING PLANT
Docket Nos. 50-282 License Nos. DPR-42
5C-306 DPR-60

Update of Response to Generic Letter 89-08
Erosion/Corrosion - Induced Pipe Wall Thinning

The purpose of this letter is to update our July 24, 1989 response to Generic Letter 89-08, "Erosion/Corrosion - Induced Pipe Wall Thinning", for Prairie Island. In the July 24, 1989 response to Generic Letter 89-08, we described a number of engineering activities that were underway to mitigate the effects of erosion/corrosion. One of those activities was the replacement of carbon steel (A-106) extraction piping with stainless steel piping.

Following the submittal of the July 24, 1989 response, several materials and methods for replacement of the extraction piping were further evaluated. It was concluded that A-335 chrome moly steel would be a preferred material for use in replacement of the carbon steel extraction piping. The decision to use chrome moly steel instead of stainless steel was based on the larger coefficient of expansion for stainless steel and the long runs of piping involved in the replacement effort. Use of stainless steel would have involved the addition of a new expansion loop and the re-engineering of the piping and the piping supports. The coefficient of expansion for the A-335 chrome moly steel is similar to the original A-106 carbon steel and would therefore would simplify and reduce the cost of the replacement effort.

With respect to the resistance to erosion/corrosion, it is expected that A-335 chrome moly steel will provide protection equivalent to stainless steel.

A portion of the Unit 2 extraction piping was replaced with chrome moly steel during the last Unit 2 refueling outage. Additional extraction piping on both Units 1 and 2 is being replaced during the current dual unit outage. It is expected that the majority of the carbon steel extraction piping will be replaced by the end of the current outage. However, if all of the extraction piping cannot be replaced during this outage, due to schedule constraints, the replacement of the remaining carbon steel extraction piping will be carried over to future outages.

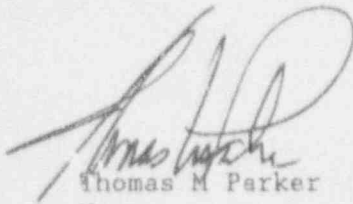
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Please contact us if you have any questions with regard to our response to
Generic Letter 89-08.

A handwritten signature in dark ink, appearing to read "Thomas M. Parker", is written over the printed name.

Thomas M Parker
Manager
Nuclear Support Services

c: Regional Administrator - Region III, NRC
Senior Resident Inspector, NRC
NRR Project Manager, NRC
J E Silberg