

REQUESTS FOR ADDITIONAL INFORMATION

Prairie Island Nuclear Generating Plant, Units 1 and 2

License Amendment Request (LAR) dated December 28, 2009 for

Measurement Uncertainty Recapture Power Uprate

Docket Nos. 50-282 and 50-306

TAC Nos. ME3015 and ME3016

Office of Nuclear Reactor Regulation
Division of Risk Assessment
Fire Protection Branch

RAI Fire Protection 1

The staff notes that Enclosure 2 to the LAR, Section II.2.26, "10.3.1 – Plant Fire Protection Program (Appendix R)," states that "...*Evaluations conclude that the current safe shutdown analyses use an analytical core power of 1683 MWt (or higher) and, as such, the MUR Power Uprate has no effect on the plant equipment and systems credited with achieving safe shutdown. Likewise, evaluations also conclude that MUR PU has no impact on Appendix R manual action constraints...*"

The staff requests the licensee to verify that the (1) measurement uncertainty recapture (MUR) power uprate will not require any new operator actions, and (2) any effects from additional heat in the plant environment from the increased power will not interfere with existing operator manual actions being performed at their designated time and place.

RAI Fire Protection 2

Some plants credit aspects of their fire protection system for other than fire protection activities, e.g., utilizing the fire water pumps and water supply as backup cooling or inventory for non-primary reactor systems.

If the Prairie Island Nuclear Generating Plant (PINGP), Units 1 and 2, credits its fire protection system for other than fire protection activities, the MUR LAR should identify the specific situations and discuss to what extent, if any, the MUR power uprate affects these "non-fire-protection" aspects of the plant fire protection system.

If the PINGP, Units 1 and 2, do not take such credit, the staff requests that the licensee verify this as well.