REQUEST FOR ADDITIONAL INFORMATION
LICENSE RENEWAL APPLICATION
PRAIRIE ISLAND NUCLEAR GENERATING PLANT, UNITS 1 AND 2
DOCKET NOS.: 50-282 AND 50-306

For Prairie Island Nuclear Generating Plant, Units 1 and 2 (PINGP), the staff reviewed the license renewal application (LRA); Updated Final Safety Analysis Report (UFSAR), Section 10.3.1, "Plant Fire Protection Program;" and the following fire protection current licensing basis (CLB) documents listed in the PINGP Units 1 and 2 Operating License Condition 2.C.4:

> Safety Evaluation Reports dated February 14, 1978, September 6, 1979, April 21, 1980,December 29, 1980, July 28, 1981, October 27, 1989, and October 6, 1995.

The staff has identified that fire protection systems and components discussed in the following sections have been excluded from the scope of license renewal and an aging management review (AMR). These systems and components were not included in the license renewal boundaries and appear to have fire protection intended functions required for compliance with Title 10 of the *Code of Federal Regulations* (CFR) 50.48, "Fire protection," as stated in 10 CFR 54.4. Therefore, in order to complete our review, the staff requires responses to the following requests for additional information (RAIs):

RAI 2.3.3.9-1

Section 4.3.1.5 of the Safety Evaluation Report for PINGP Units 1 and 2, dated September 6, 1979, discusses various types of wet pipe, deluge, and pre-action dry pipe sprinkler systems provided in the plant areas for fire suppression activities. The sprinkler systems in various areas are:

Fire Sprinkler System	Area
Wet Pipe Automatic Sprinkler Systems	• Turbine Building – Turbine Lube Oil and Control Oil Piping Areas • Air Compressor and Auxiliary Feedwater Pump Rooms • Exit Stairwells • Records Storage Area • Decontamination Area • Water Treatment Area • Warehouse • Hot Lab Area
Deluge Systems	• Main Auxiliary and Startup Transformers • Turbine Generators Bearings • Turbine Seal Oil Unit • Turbine Lube Oil Reservoir • Oil Storage Room • Charcoal Filter – Auxiliary Building Special Exhaust Filter and the Shield Building Exhaust Filters

ENCLOSURE

Pre-action Dry Pipe Sprinkler Systems	• Containment Cable Penetration Areas • Screen House Pump Area (Both Levels) Including the Diesel Cooling Water Pumps and the Diesel Driven Fire Pump

The staff requests that the applicant verify whether the above sprinkler systems installed in various areas of the plant are in the scope of license renewal in accordance with 10 CFR 54.4(a) and subject to an AMR in accordance with 10 CFR 54.21(a)(1). If they are excluded from the scope of license renewal and not subject to an AMR, the staff requests that the applicant provide justification for the exclusion.

RAI 2.3.3.9-2

LRA Tables 2.3.3-9 and 3.3.2-9 exclude several types of fire protection components that appear on the LRA drawings as within the scope of license renewal or discussed in PINGP CLB documents. These components are listed below:

- hose connections
- interior fire hose stations
- pipe supports
- couplings
- dikes for oil spill confinement
- floor drains and curbs for fire-fighting water
- backflow prevention devices
- trash grids and traveling screens
- flame retardant coating for cables
- fire retardant intumescent coating for polyurethane foam insulation
- turbine building smoke removal system components
- air compressors for safe-shutdown operations

For each, determine whether the component should be included in Tables 2.3.3-9 and 3.3.2-9 as component types subject to an AMR, and if not, justify the exclusion.