



Susquehanna Steam Electric Station

License Amendment Request for a Temporary Completion Time
Extension to Support Emergency Service Water Piping Replacement

Pre-Application Meeting
November 5, 2018

Meeting Purpose

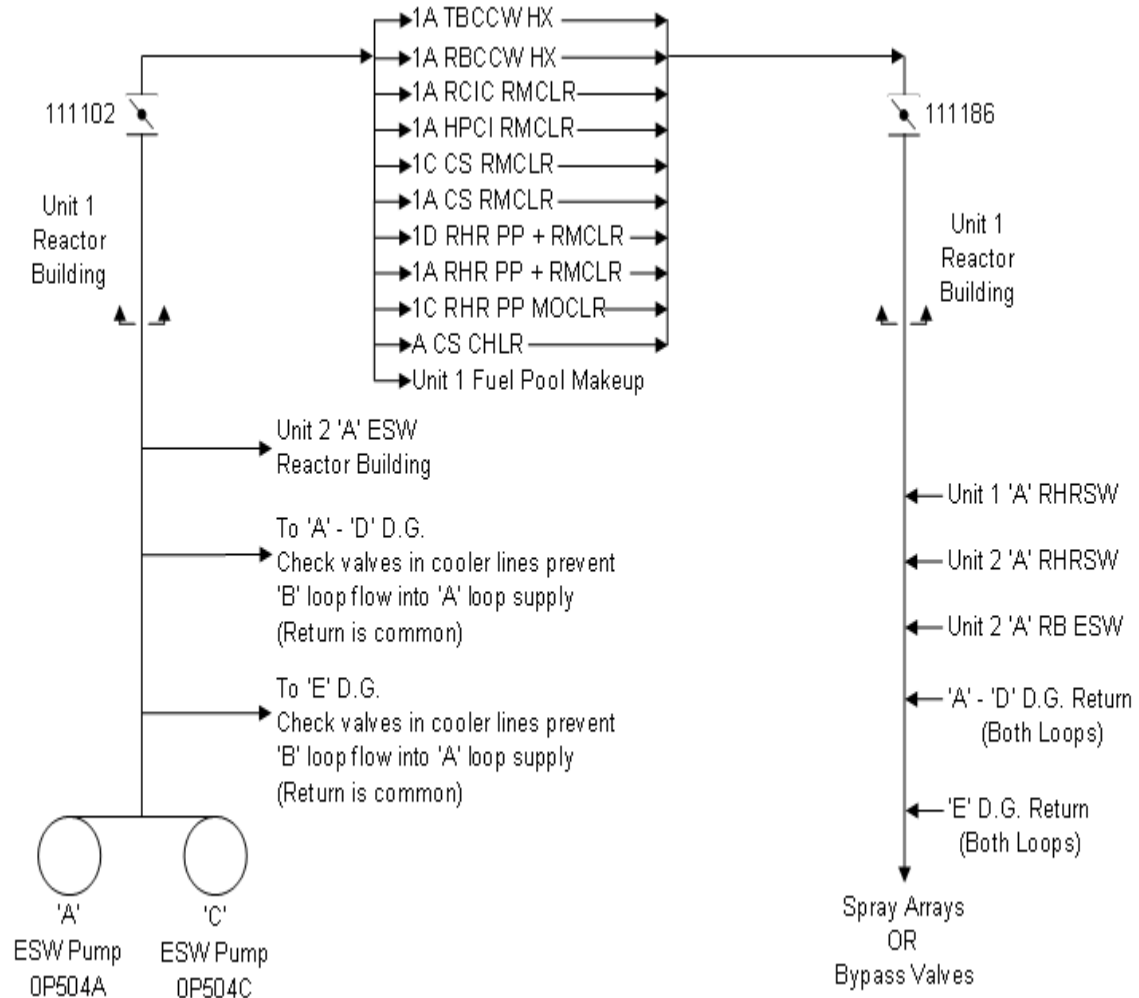
- Describe a future license amendment request
- Establish a common understanding of the scope of the request
- Establish a common understanding of the schedule
- Obtain NRC feedback

Proposed Change

- Replace piping in the Emergency Service Water System
- Temporary extension to Completion Times in LCOs 3.7.1 and 3.7.2
 - Increase from 72 hours and 7 days to 14 days
 - Work is projected to take 11 days plus contingency
- Extension is necessary for the online unit
 - Only one subsystem of ESW/RHRSW is required for the outage unit
- Extension would expire in 2026 for Unit 2 and 2027 for Unit 1

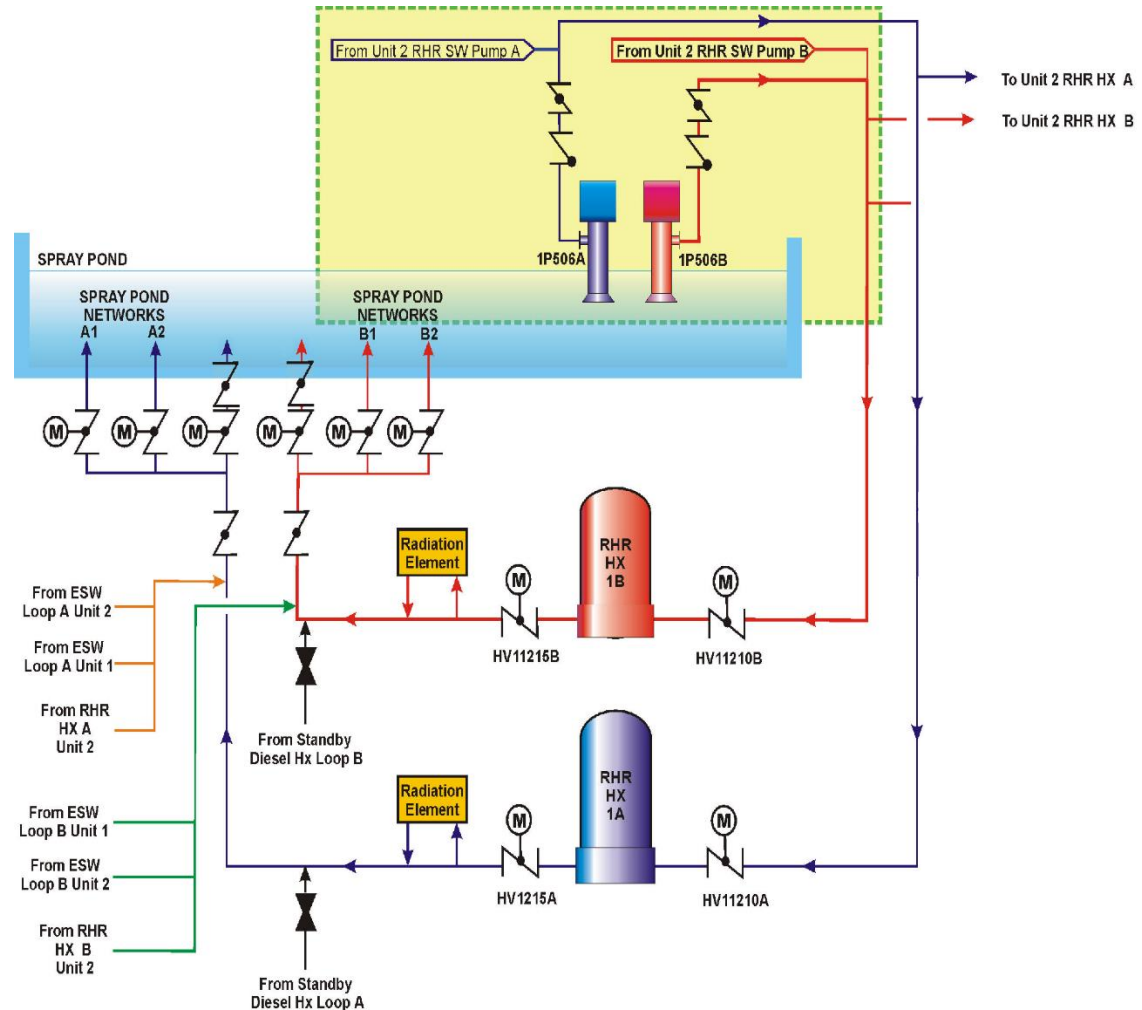
Emergency Service Water System

- Common for the two units
- Takes suction from the spray pond
- Cools diesel generators, ECCS pumps and room coolers, and other heat exchangers
- ESW and RHRSW share a common return line to the spray pond via spray arrays or bypass valves



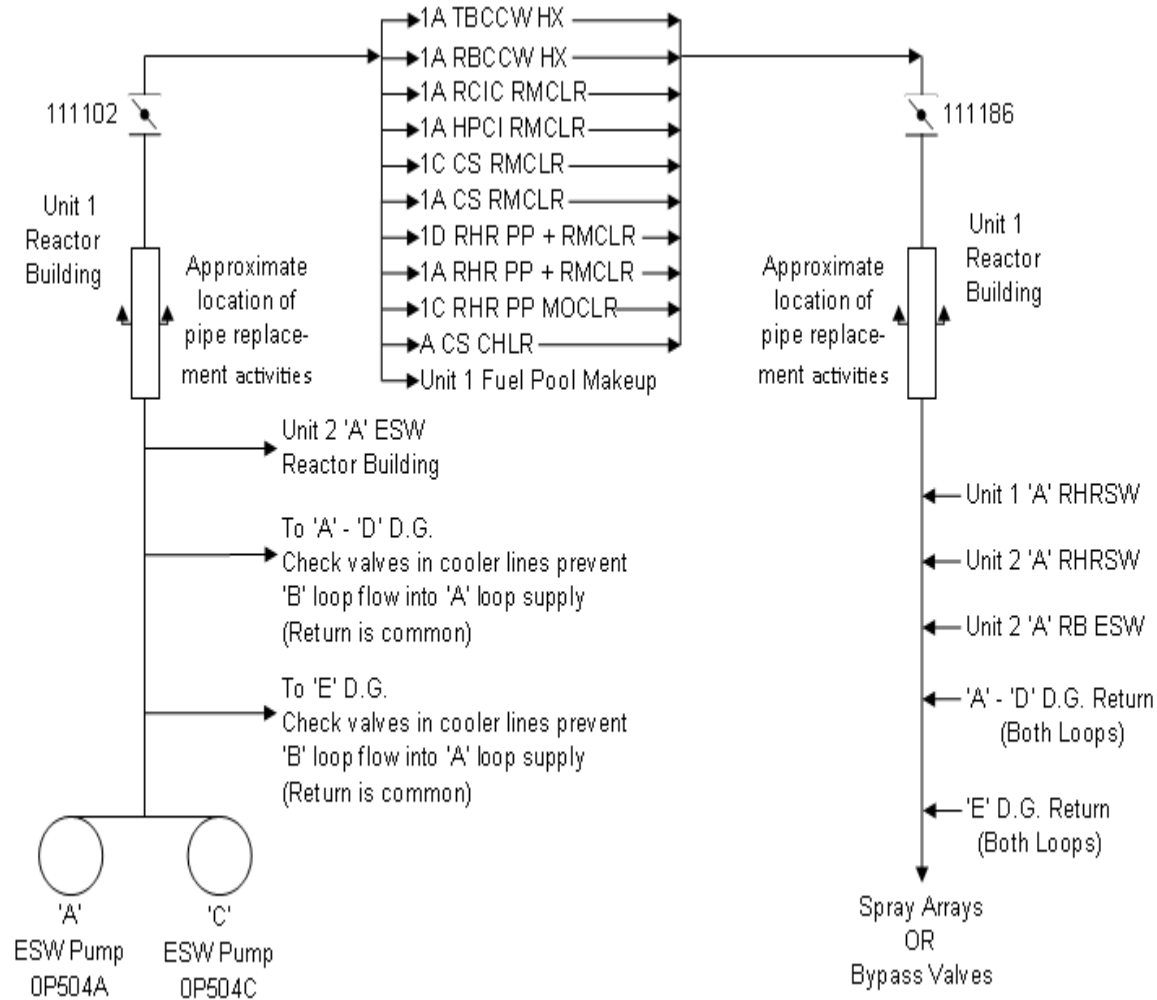
RHR Service Water System

- 2 divisions per unit shared between units
 - (e.g., Unit 1 A RHR SW pump can feed Unit 2 RHR HX)
- Takes suction from spray pond
- Cools RHR Heat Exchangers
- ESW and RHR SW share a common return line to the spray pond via spray arrays or bypass valves



Location of Pipe Replacement

- Initially, will replace Unit 1, Division 1 supply and return line near the Reactor Building Isolation valves
- May replace Unit 1 Division 2 and both Divisions on Unit 2
- Work renders division in both RHRSW and ESW inoperable



Upcoming Refueling Outages

- Divisional outages at Susquehanna
- Two opportunities for each division
- Allows time to interpret results, appropriately plan and schedule subsequent replacements, and account for increased scope

Year	Unit 1	Unit 2
2020	Division 1	
2021		Division 1
2022	Division 2	
2023		Division 2
2024	Division 1	
2025		Division 1
2026	Division 2	
2027		Division 2

Summary

- Susquehanna intends to replace ESW piping in 2020
 - Based on initial replacement and inspection, may make subsequent replacements
- Requesting an extension to LCOs 3.7.1 and 3.7.2 for the online unit
 - Extend to 14 days from 72 hours and 7 days
- Extension would expire in 2026 for Unit 2 and 2027 for Unit 1