

Oconee SLRA: Breakout Questions

SLRA Scoping and Screening

Question Number	SLRA Section	SLRA Page	Background / Issue (As applicable/needed)	Discussion Question / Request
1	Section 2.3.1.3	2-62	<p>Regarding Section 2.3.1.3, Reactor Coolant System: SLRA Table 2.3.1-3 - Reactor Coolant System – Pressurizer, the intended function for the below listed components is to form part of the pressure boundary. However, thermal cycling is not included as an intended function for following components:</p> <ul style="list-style-type: none">• Pressurizer; Surge Line Nozzle.• Pressurizer; Surge Line Nozzle Safe End.• Pressurizer; Surge Line Nozzle Safe End Weld.	<p>Confirm whether thermal cycling should be included as an intended function for these components, and if not, provide justification.</p>
2	Section 2.3.1.3	2-62	<p>Regarding Section 2.3.1.3, Reactor Coolant System: SLRA Table 2.3.1-3 - Reactor Coolant System – Pressurizer, confirm that the pressurizer spray head is excluded from the scope and provide justification by specifically addressing the following concerns presented in Table 2.3-1 of the Standard Review Plan (NUREG-2192).</p>	<p>If the spray head meets any one of the situations as described below, it may require the inclusion of the pressurizer spray head in the scope:</p> <ol style="list-style-type: none">a. During fire events as required by 10 CFR 50 Appendix R evaluation, the pressurizer spray head is used to achieve the reactor cooldown to meet the Technical Specifications LCO 3.4.3.b. If the spray head is failed, it will damage

				the surrounding safety-related components.
3	Section 4.2.5	4-46	Regarding Section 4.2.5, Low Temperature Overpressure Protection, an exemption was granted on April 26, 2012, for 10 CFR Part 50.61 and 10 CFR Part 50, Appendix G at Oconee Units 1, 2, and 3, until the “end of its facility’s current operating license”. At this time, the Oconee operating license had been set to expire at the end of the period of extended operation established in the license renewal granted on May 23, 2000.	Provide justification that the exemption should extend to the end of the subsequent period of extended operation (SPEO), or request a new exemption applicable until the end of the SPEO.
4	Section 4.2.5	4-46	In Section 4.2.5, Low Temperature Overpressure Protection, the SLRA application states: “Calculation of a revised power operated relief valve setpoint and low temperature overpressure pressure-temperature limits will be performed at a later time and shall be consistent with ASME Section XI, Appendix G (2013 Edition or later), G-2215, as supplemented by consideration of applicable low temperature overpressure events and low temperature overpressure methodology as described in Duke Energy’s license amendment requests for 33 EFPY pressure-temperature limits [Reference 4.2-31 and 4.2-32].” The current licensing basis for Oconee reflects later approved amendments which	Discuss whether the updated calculations, as reviewed and approved by the NRC, include any new information which would be incorporated in the future calculation(s) referenced in the SLRA application as above. If so, discuss and justify the applicability of this information to future calculations.

			extend the approved pressure-temperature limits to 44.5 EFPY, 45.5 EFPY, and 43.8 EFPY for Units 1, 2, and 3, respectively (Measurement Uncertainty Recapture Power Uprate License Amendment, January 21, 2021 – ML20335A001).	
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