

### **St. Lucie SLRA: Breakout Questions**

#### **Corrosion - Operating Experience**

Note: Breakout Questions are provided to the applicant and will be incorporated into the publicly-available audit report.

<b>Technical Reviewers</b>	Juan Lopez (lead) George Wang (ESEB) Zuhan XI (ESEB) Ata Istar (ESEB) Andrew Johnson (DNRL/NCSG)	12/15/21
<b>Technical Branch Chief</b>	Joseph Colaccino	12/17/21
<b>Breakout Session</b>	<i>Date/Time</i>	<i>To be filled in by PM</i>

<b>Applicant Staff</b>	<b>NRC staff</b>
<i>To be filled out by PM during breakout</i>	

<b>Question Number</b>	<b>SLRA Section</b>	<b>SLRA Page</b>	<b>Background / Issue (As applicable/needed)</b>	<b>Discussion Question / Request</b>	<b>Outcome of Discussion</b>
1	B.2.3.13 B.2.3.23 B.2.3.33 B.2.3.34 3.5.2.2.2.4		<p>The PSL site is located on the Atlantic coast of Florida, where the Atlantic Ocean borders the east side of the site. Sites located near the coast may experience environments that are more aggressive than the environment of sites located farther from the coast.</p> <p>During the on-site audit the staff observed the ongoing corrosion of several structural and mechanical</p>	<b>Corrective Actions / Operating Experience:</b> Discuss how St. Lucie will adequately manage the ongoing corrosion degradation at the site (i.e., for structures, and structural and mechanical components not exposed to a controlled environment) so that the structures and components (SCs) intended function(s) will	

		<p>components and supports. Similarly, the staff noted in the inspection reports that several structures and components were identified as having corrosion at different levels. Therefore, additional information may be necessary to better understand how conditions and operating experience (OE) at the plant is bounded by the conditions and OE for which the GALL-SLR Report program was evaluated.</p> <p>SRP-SLR Section 1.2 states that if an applicant takes credit for a program in the GALL-SLR Report, it is incumbent on the applicant to ensure that the conditions and OE at the plant are bounded by the conditions and OE for which the GALL-SLR Report program was evaluated. If these bounding conditions are not met, the applicant must address the additional effects of aging and augment the AMP(s) in the GALL-SLR Report in the SLRA, as appropriate. SRP-SLR Section A.4 provides that OE should provide objective evidence to support the conclusion that the effects of aging are managed adequately so that the structures and components (SCs) intended function(s) will be maintained during the subsequent period of extended operation.</p>	<p>be maintained during the subsequent period of extended operation.</p>	
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