



LaSalle Station, Units 1 and 2 Pool Swell License Amendment Request

- **Constellation Nuclear**
- November 2022



- The purpose of this pre-submittal meeting is to discuss details regarding the Pool Swell License Amendment Request.



Background



During the 2016 first quarter inspection period, the inspectors reviewed the operability evaluation associated with loss of coolant accident suppression pool analysis. The inspectors identified an Unresolved Item (URI 2016001-01) involving changes to the methodology and design assumptions of the suppression pool analysis. During follow-up inspection activities the inspectors determined the operability evaluation provided a reasonable expectation of operability. The URI was closed in Inspection Report 2017004 with a Green Finding and associated NCV of 10 CFR Part 50, Appendix B, Criterion III: Design Control for failure to ensure the adequacy of the design for the primary containment structure, suppression pool columns, downcomer vents and downcomer vent bracing.

The purpose of this License Amendment Request is to update the Licensing Basis to support the methodology to be used for analyzing the primary containment structure.



Proposed Licensing Basis Updates

LSC

3.8.3.2.4 Reactor Pedestal

- a. 1 through 10;
- b. 16 through 19;
- c. 21, 22, and 24; and
- d. 27 through 29.

3.8.3.2.5 Reactor Shield

- a. 3 through 5, 8 through 10;
- b. 12, 16 through 19, 24; and
- c. 27 through 29.

3.8.3.2.6 Platforms, Galleries and Downcomer Bracings

- a. 12, 16 through 19, and 24;
- b. ~~refer to DAR Section 5.3.3.4 for the downcomer bracing applicable codes~~

Proposed Change:

Revise section, delete text with strikethrough and add the following text at bullet point b.

The allowable stresses for the downcomer bracing are:

1. The AISC allowables, for load combinations 1, 2, and 3 of Table 4.1-1.
2. 1.6 times AISC allowables based on elastic** section modulus, but no greater than 0.95 fy, for load combinations 4, 4A, 5, 5A, 6, 7 and 7A.

**Lower downcomer braces and gusset plate sections may utilize plastic section modulus.

Refer to DAR section 5.3.3.4 for the downcomer bracing applicable codes.





Regulatory and Technical Issues

- None



Regulatory Overview

- Once license amendment request is approved, will update supporting calcs and UFSAR change.
- Calculations 187 and 187K are being revised to point to Calculation L-002547, Revision 0A during the implementation process once LAR is approved.



Schedule

- Submittal: Q4 2022
- Acceptance Review: Q1 2023
- RAIs: Q2 2023
- Approval: Q4 2023



Precedent

- April 11, 2000 – The NRC Issued License Amendments 139/124 for LaSalle to approve an analogous UFSAR update concerning the methodology and acceptance criteria for masonry walls subjected to transient high energy line break pressurization loads.



Questions?