



Seabrook Station Unit 1 **Pre-Submittal Meeting**

License Amendment Request

Update Pressure-Temperature Limits (PTL) Curves'
Period of Applicability Based on Latest Fluence Projections

February 23, 2022

Agenda

- **License Amendment Request (LAR) Purpose**
- **Surveillance Capsule “X”**
 - Applicable standards, guidance
 - Fluence Projection
 - Period of Applicability
- **Schedule / Implementation**
- **Questions, Follow-up Items**

Purpose

MATERIAL PROPERTY BASIS

LIMITING MATERIAL: Lower Shell Plate R1808-1 without using surveillance data, Position 1.1

LIMITING ART VALUES AT 55 EFPY: 1/4T, 117°F (Axial Flaw)
3/4T, 105°F (Axial Flaw)

Curves applicable for the first 55 EFPY and contain margins for possible instrument errors

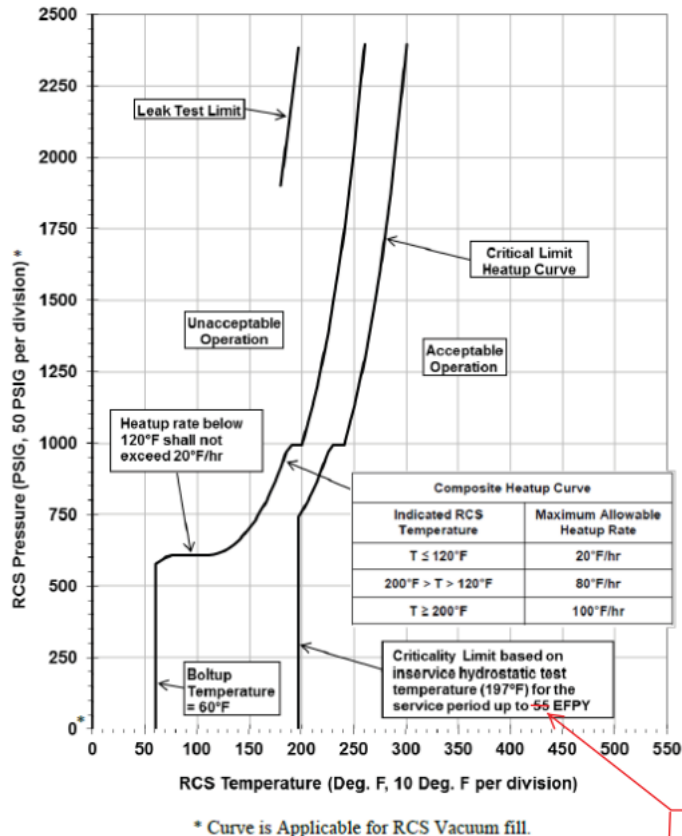


FIGURE 3.4-2

REACTOR COOLANT SYSTEM HEATUP LIMITATIONS - APPLICABLE UP TO 55 EFPY

Update RCS PTL curves

- TS 3.4.9.1, Figures 3.4-2 and 3.4-3
- TS 3.4.9.3, Figure 3.4-4
- Change Period of Applicability from 55 EFPY to 52.6 EFPY where specified
- Address Non-Conservative TS per RG 1.239.
 - Currently in Seabrook CAP
 - Seabrook was at 26.46 EFPY at EOC 20 (Spring 2020)
- No other proposed changes
- Process as normal LAR

Surveillance Capsule “X”

- **Results transmitted September 2021 (ML21273A113)**
 - 10 CFR Part 50, Appendix H
- **Applicable standards, guidance**
 - WCAP-17441-NP (55 EFPY PT Limit curves & fluence basis)
 - 55 EFPY fluence projection was $3.05E19$ n/cm²
- **Revised Fluence Projection**
 - WCAP-18607 Capsule “X” revised the fluence
 - 3.05 n/cm² reached at 52.6 EFPY
 - Period of Applicability

Schedule / Implementation

- **Submit 4th Quarter 2022**
- **Request LAR approval within one year**
- **Request 90-day implementation period**

Questions, Comments and Follow-up Items