Peach Bottom Atomic Power Station

ECCS Compensated Level System Replacement Project

NRC Pre-submittal Meeting

October 29, 2024

Purpose and Agenda

Meeting Purpose

- Gain alignment on the basis of the additional NRC requested documents from DI&C-ISG-06 Rev 2 Enclosure B.

Agenda

- Introductions – Project Team

- Requested DI&C-ISG-06 Rev 2 Enclosure B documents

- NRC to provide regulatory basis for the requested documents

Constellation.

Introductions – Project Team

Constellation Energy

- Pablo Guardado, Principal PM, PEA Project Management

- Steve Flickinger, Prin. Reg. Specialist, Corporate Licensing

Sargent & Lundy

- Pareez Golub – Project Director, Digital Licensing SME

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NRC Requested ISG-06 Enclosure B documents

Additional documents requested by the NRC

- 1.6 "(Summary of) Hardware Equipment Qualification"

- 1.11 "Software Requirements Specification"

- 1.12 "Software Design Specification"

- 1.13 "Design Analysis Reports for Platform Changes"

- 1.14 "System Response Time Analysis Report"

- 1.16 "Commercial-Grade Dedication Plan"

- 1.17 "Quality Assurance Plan for Hardware"

- 1.18 "(Summary of) Hardware Development Process"

- 2.2 "As-Manufactured, System Configuration Documentation"

- 2.3 "Summary Test Reports"

- 2.6 "System-Level Failure Modes and Effects Analysis"

- 2.9 "(Summary of) Electromagnetic Interface, Temperature, Humidity, and Seismic Testing Results"

- 2.10 "Commercial-Grade Dedication Report(s)"

Items submitted as part of the ARP

- 1.3 "Approved Topical Report Safety Evaluation"

- 1.4 "System Description"

- 1.5 "System Architecture"

- 1.7 "(Unified Compliance/Conformance Matrix for) IEEE [Institute of Electrical and Electronics Engineers] Stds 603-1991 and 7-4.3.2-2003"

- 1.8 "(Changes to) Technical Specifications"

- 1.9 "Setpoint Methodology and Calculations"

- 1.10 "Secure Development and Operational Environment"

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Basis for the requested additional documents

- The project team needs to understand the basis of the additional NRC requests to ensure that what we provide in the submittal meets the necessary basis.

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