



Turkey Point Unit 3 and Unit 4

Reactor Protection System

Engineered Safety Feature Actuation System

Nuclear Instrumentation System

Replacements

Safety System Replacement Project LAR
NRC 9th Pre-submittal Meeting Telecon

April 13, 2022

OPEN SESSION



Introductions – On the Call today

Florida Power & Light

- **FPL Nuclear Licensing**
 - Steve Catron – Licensing Fleet Director
 - Jarrett Mack – Fleet Licensing Lead
- **FPL Nuclear Engineering**
 - Brian Dunn – Director – Fleet Design
 - Phillip Barnes – Design Manager
 - Wesley Frewin – Digital Design Supervisor
 - Warren Busch – Project Engineer
- **FPL PTN Operations**
 - Jim Goodrich – Unit Supervisor
- **FPL Nuclear Assurance**
 - Jim Gill

Contract and Support

- **Framatome**
 - Brian Haynes – Licensing Lead
 - Ted Quinn – Licensing Engineer
 - Jacek Novakowski – Human Factors Lead
 - Bill Hannaman – Licensing Engineer (HFE)
- **Sargent & Lundy (3rd Party review)**
 - Pareez Golub
 - John McCague

Agenda – Open and Closed Sessions

- **Open Session**

- Background/Purpose
- LAR Plan Changes
- Vendor Oversight Update
- Questions and Comments

- **Closed Session**

- LAR Content
- Alternate Review Process Deviations
- HFE LAR Content
- Project Schedule Review

Background/Purpose

- **Follow up to 8th Pre-submittal meeting**
 - Schedule, LAR Supplement plan, Human Factors plan
 - Discussion of Licensing Process, Required Information
- **NRC Digital I&C Workshop March 23, 2022**
 - Licensing Lesson Learned, HFE Reviews, Inspections Lessons learned
- **Inform NRC**
 - Status of Vendor Oversight activities
 - Adjustments made to previously presented plans and schedules

LAR Plan Changes

- **Early submittal of Diversity and Defense in Depth Evaluation**
- **Technical Specification Surveillance Reduction issued in LAR**
- **Increased LAR content for Human Factors**
 - Guidance of NUREG 0711 for submittal content.
- **Improved Technical Specification Mark-up Submittal moved schedule up five months (No later than May 2023)**
- **SER Requested Date Change**
 - Requested SER Date extended from six months before the outage to three months. (July 2024)
 - Expand review time for Human Factors Validation results

Vendor Oversight Update

- **Vendor Oversight Activities:**

- Vendor Oversight Plan Revised to Revision 1
 - Changes and additions to design products for oversight
 - Procedure reviews and active participation in Preliminary Validation HFE activities
 - Status, product reviews and comment resolutions in progress

- **Significant Audit Activities**

- NRC Vendor Inspection Branch Audit – Framatome, Nov. 16-19, 2021 (Docket Number 99901300)
 - Design Engineering, Software Development, 10CFR Part 21
- NUPIC Audit – Framatome, Dec. 6-17, 2021
 - Commercial Grade Dedication, Engineering Design, Software Development Process
 - FPL a member of NUPIC team
- FPL November 2021 Audit Open Item – Cyber Security controls

- **Vendor Audit Framatome GmbH, Commercial Grade Dedication of NI signal conditioning components, scheduled April 11 through 22, 2022**



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Questions and Comments



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Acronym List

Florida Power and Light	FPL
Human Factor Engineering	HFE
Instrumentation and Control	I&C
License Amendment Request	LAR
Nuclear Instrumentation	NI
Nuclear Regulatory Commission	NRC
Nuclear Procurement Issues Committee	NUPIC
Turkey Point	PTN
Safety Evaluation Report	SER