Susquehanna Steam Electric Station

License Amendment Request to Create an Action
for an Inoperable Manual Synchronization Circuit

Pre-Application Meeting
February 27, 2020

Meeting Purpose

- Describe a future license amendment request
- Establish a common understanding of the scope of the request
- Establish a common understanding of the schedule
- Obtain NRC feedback

Proposed Changes

- Creation of a new Condition, Required Action, and Completion Time in LCO 3.8.1

CONDITION	REQUIRED ACTION	COMPLETION TIME
H. Manual synchronization circuit inoperable.	H.1 Restore manual synchronization circuit to OPERABLE status.	14 days

Reason for Proposed Change

- Circuit is shared by all DG, 4.16 kV, and 13.8 kV ESS buses on both units
- Requires a dual unit entry into LCO 3.0.3 when inoperable
- Required Action is not commensurate with the overall risk of the Condition

Basis for the Proposed Change

- Automatic transfer and loading capabilities are not impacted by inoperable circuit
  - All analysis assumptions in Chapters 6 and 15 of the FSAR remain valid
- There is no conflict between manual synchronization circuit and automatic transfer logic for representative situations

Basis for the Proposed Change (cont.)

- 14 day Completion Time commensurate with Completion Times for inoperable RCIC in LCO 3.5.3
  - Uncredited function (RCIC and manual transfers) is lost
  - Credited function (HPCI and automatic transfers) remains unaffected

Summary

- Create new Condition in LCO 3.8.1
- Eliminates dual unit entry into LCO 3.0.3
- Automatic transfer capabilities maintained with inoperable circuit
- Completion Time commensurate with RCIC
- Expect to submit by early April 2020

List of Acronyms

10 CFR – Title 10, Code of Federal Regulations

DG – Diesel Generator

ESS – Emergency Safeguard System

FSAR – Updated Final Safety Analysis Report

HPCI – High Pressure Coolant Injection

kV - Kilovolt

LCO – Limiting Condition for Operation

RCIC – Reactor Core Isolation Cooling