

May 8, 2017

MEMORANDUM TO: Kevin Hsueh, Chief  
Licensing Processes Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

FROM: Serita Sanders, Project Manager */RA/*  
Licensing Processes Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF PUBLIC MEETING HELD ON DECEMBER 7-8,  
2016 – BULLETIN 2012-01, “DESIGN VULNERABILITY IN  
ELECTRIC POWER SYSTEM” – PROPOSED SOLUTIONS

On December 7-8, 2016, a Category 2 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of the Nuclear Energy Institute (NEI) and nuclear power plant industry at NRC Headquarters, Two White Flint North, 11545 Rockville Pike, Rockville, Maryland. The purpose of this meeting was twofold: (1) to allow NEI/industry to present four proposed design solutions developed to resolve the single phase open circuit condition issue and (2) for the NRC staff to ask clarifying questions to better understand the technical designs of these 4 proposed industry developed solutions presented.

The industry representative’s presentations consisted of the following: “Entergy PCS2000 Solution” (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16340A661); “PCS2000 Solution Open Phase Detection” (Parts 1, 2, and 3) (ADAMS Accession Nos. ML17033A218, ML17033A239, and ML170033A255, respectively); “Exelon Generation OPC Solution” (ADAMS Accession No. ML16340A693); “First Energy Open Phase Condition Solution” (ADAMS Accession No. ML16340A711); and “TVA Class IE UVR Open Phase Condition” (ADAMS Accession No. ML16340A733). All slides used during this meeting can also be obtained in ADAMS packages at Accession Numbers ML16340A629 and ML17033A366, respectively).

Additionally, the NEI representatives presented, “Fleet Status Report as of December 2016” (ADAMS Accession No. ML16340A752), which entailed the current status of the nuclear industry on new hardware installations at some operating plants and those that planned to be installed. The configuration included the type of design solution installed or to be installed at the respective plant.

Enclosure:  
Attendance List

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BULLETIN 2012-01, “DESIGN VULNERABILITY IN ELECTRIC POWER  
SYSTEM” – PROPOSED SOLUTIONS DATED: May 8, 2017

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**\*concurred via email**

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**Meeting With the Nuclear Energy Institute  
On Proposed Plant Modifications to Resolve  
Open Phase Condition Design Vulnerability  
(NRC Bulletin 2012-01)  
December 7, 2016; Day 1 Sign-In Sheet**

*Meeting Attendees*

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*Meeting Attendees*

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**Meeting with the Nuclear Energy Institute  
On Proposed Plant Modifications to Resolve  
Open Phase Condition Design Vulnerability  
(NRC Bulletin 2012-01)  
December 7-8, 2016; Bridge Line Participants**

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