

## **PMVogtleCOLPEm Resource**

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**From:** Neil Haggerty [neilhaggerty@comcast.net]  
**Sent:** Monday, January 24, 2011 9:33 PM  
**To:** McGovern, Denise; Joshi, Ravindra  
**Cc:** AMY AUGHTMAN; WES SPARKMAN; RICHARD GRUMBIR; EDDIE GRANT; BOB HIRMANPOUR; MIKE YOX (EXCEL); AMY MONROE (SCANA)  
**Subject:** DRAFT Voluntary Letter re: Changes to CSP to address Commission policy determination on BOP SSCs  
**Attachments:** DRAFT Vol Ltr - BOP SSCs in CSP.doc

**Mr. Joshi / Ms. McGovern,**

**Attached is the draft enclosure to a proposed voluntary letter that will provide CSP changes necessary to address the Commission policy determination on BOP systems, structures, and components (per staff requirements memorandum (SRM), "CMWCO-10-0001 Regulation of Cyber Security at Nuclear Power Plants," dated October 21, 2010). We would to discuss this proposed letter on a future public call. For your convenience, I can provide a draft version of the revised CSP with these changes incorporated, if requested.**

**Please let me know if you have any questions,**

**Neil Haggerty**

**NuStart AP1000 Licensing Support Engineer**

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**From:** Neil Haggerty

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**RAI/OI Letter #: VEGP-VOL-CSP-BOP SSCs**

**Official NRC RAI/OI #: VEGP 13 VR#**

In the staff requirements memorandum (SRM), "CMWCO-10-0001 Regulation of Cyber Security at Nuclear Power Plants," dated October 21, 2010, the Commission determined as a matter of policy that the U.S. Nuclear Regulatory Commission's (NRC's) cyber security rule at Title 10 of the *Code of Federal Regulations* (10 CFR) Section 73.54, "Protection of Digital Computer and Communication Systems and Networks," should be interpreted to include structures, systems, and components (SSCs) in the balance of plant (BOP) that have a nexus to radiological health and safety at NRC-licensed nuclear power plants (NPPs). By letter dated January 5, 2011, the Director of the Division of Security Policy in the NRC's Office of Nuclear Security and Incident Response informed the Nuclear Energy Institute Director of Security of the Commission's policy determination and provided text that licensees could use to supplement their cyber security plans to comply with the Commission's policy determination. The proposed text has been evaluated, and specific changes to the Vogtle Electric Generating Plant (VEGP) Units 3 and 4 Cyber Security Plan to comply with the policy determination have been identified. This enclosure provides the CSP changes that will address the Commission's policy determination. As a result of the above discussed evaluation, the associated COL Application Revisions identified below will be included in a future COLA revision.

This response is expected to be STANDARD for each S-COLA.

**Associated VEGP COL Application Revisions:**

1. COLA Part 11C, Cyber Security Plan, Section 1, will be revised by adding a new paragraph after the first paragraph, as follows:

Within the scope of NRC's cyber security rule at 10 CFR 73.54, systems or equipment that perform important to safety functions include structures, systems, and components (SSCs) in the balance of plant (BOP) that could directly or indirectly affect reactivity at a nuclear power plant and could result in an unplanned reactor shutdown or transient. Additionally, these SSCs are under the licensee's control and include electrical distribution equipment out to the first inter-tie with the offsite distribution system.

2. COLA Part 11C, Cyber Security Plan, Appendix A, Vogtle Electric Generating Plant, Units 3 and 4 Cyber Security Plan (CSP) Deviations from Regulatory Guide (RG) 5.71, Rev. 0, will be revised by adding a new deviation # (where # is the next sequential number), as follows:

**Deviation No. 18: Include Balance of Plant structures, systems, and components to the scope defined by important to safety –** A deviation is taken to the guidance to clarify that systems or equipment that perform important to safety functions include structures, systems, and components (SSCs) in the balance of plant (BOP) that could directly or indirectly affect reactivity and could result in an unplanned reactor shutdown or transient.

**Basis:** This change is consistent with Commission's position provided by the Director of the Division of Security Policy in the NRC's Office of Nuclear Security and

Incident Response to the Nuclear Energy Institute Director of Security by letter dated January 5, 2011 [ML11XXXXXXX].

3. COLA Part 11C, Cyber Security Plan, Appendix A, Vogtle Electric Generating Plant, Units 3 and 4 Cyber Security Plan (CSP) Deviations from Regulatory Guide (RG) 5.71, Rev. 0, table titled VEGP Units 3 and 4 Cyber Security Plan Deviations from RG 5.71, Rev. 0 Black Text, will be revised by adding a deviation after the current deviation to RG 5.71, Appendix A, Heading (Page A-1), as follows:

VEGP Units 3 and 4 Cyber Security Plan Deviations from RG 5.71, Rev. 0 Black Text			
Reference	RG 5.71 Rev. 0 Text	VEGP Units 3 and 4 CSP Text	Comments
RG 5.71, Section A.1, 1 <sup>st</sup> paragraph (Page A-1)	<p>“... up to and including the design-basis threat (DBT) described in 10 CFR 73.1, “Purpose and Scope”:</p> <ul style="list-style-type: none"> <li>• safety-related and important-to-safety functions,</li> <li>• security functions,</li> <li>• emergency preparedness functions, including offsite communications, and</li> <li>• support systems and equipment which, if compromised, would adversely impact safety, security, or emergency preparedness functions.”</li> </ul>	<p>“... up to and including the design-basis threat (DBT) described in 10 CFR 73.1, “Purpose and Scope”:</p> <ul style="list-style-type: none"> <li>• safety-related and important-to-safety functions,</li> <li>• security functions,</li> <li>• emergency preparedness functions, including offsite communications, and</li> <li>• support systems and equipment which, if compromised, would adversely impact safety, security, or emergency preparedness functions.”</li> </ul> <p>Within the scope of NRC’s cyber security rule at 10 CFR 73.54, systems or equipment that perform important to safety functions include structures, systems, and components (SSCs) in the balance of plant (BOP) that could directly or indirectly affect reactivity at a nuclear power plant and could result in an unplanned reactor shutdown or transient. Additionally, these SSCs are under the licensee’s control and include electrical distribution equipment out to the first inter-tie with the offsite distribution system.</p>	<p><b>Deviation No. 18: Include Balance of Plant structures, systems, and components to the scope defined by important to safety.</b></p> <p>Addition of this paragraph clarifies the intent of important-to-safety function, consistent with direction provided in a January 5, 2011, letter from Richard P. Correia (NRC) to Chris Earls (NEI) on this subject.</p>