

From: Ciocco, Jeff
Sent: Tuesday, June 07, 2016 9:51 AM
To: Steven Mannon; Andy Jiyong Oh; Jungho Kim (jhokim082@gmail.com)
Cc: Wunder, George; Ward, William
Subject: Withdrawing RAI 451-8560, Question 08.01-20 on GDC 2 Compliance for Offsite Power Systems

KHNP,

We are going to withdraw **RAI 8560, Question 08.01-20**, which is a follow-up to **RAI 8166, Question 08.01-5** related to GDC 2 compliance. After further review we determined that KHNP provided an acceptable response to **RAI 8166, Question 08.01-5**. I don't think you have yet responded to this RAI and no need to as we will remove it from the system.

Basis for the Question Withdrawal

During additional review of the applicability of GDC 2 to the APR1400 offsite power system, the staff determined that GDC 2, "Design bases for protection against natural phenomena," and GDC 4, "Environmental and dynamic effects design bases," are not applicable to the offsite power system. This issue is referenced in email from Tom Bergman, Deputy Director of Office of New Reactors and is located in ADAMS Accession number ML090260039 and clarifies the staff's position on GDC 2 applicability to the offsite power system.

The staff's follow-up Question (**Question 08.01-20**) was based on the guidance in SRP 8.2, but the above GDC 2 applicability determination was established after the issuance of SRP Section 8.2, Revision 4 (March 2007).

Therefore GDC 2 and GDC 4 are not applicable to the APR1400 offsite power system design and the response to **RAI 8166, Question 08.01-5** is acceptable.

Thanks,

From: Mannon, Steven [<mailto:steven.mannon@aecom.com>]
Sent: Sunday, May 22, 2016 3:19 PM
To: Wunder, George <George.Wunder@nrc.gov>
Cc: Ciocco, Jeff <Jeff.Ciocco@nrc.gov>
Subject: [External_Sender] FW: RAI 451-8560 on GDC 2 Compliance for Offsite Power Systems

George,
Any response on this item from the reviewers yet?

Steve Mannon
Director of Licensing
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From: Mannon, Steven

Sent: Wednesday, May 11, 2016 8:12 PM

To: george.wunder@nrc.gov

Subject: RAI 451-8560 on GDC 2 Compliance for Offsite Power Systems

George,

In RAI 451-8560 Question 08.01-20 (which was a follow-up to RAI 8166 Question 08.01-5), we were requested to provide discussion related to GDC 2 applicability in the DCD section 8.2 to include important to safety components of the offsite power system based on the guidance in the SRP and to meet the requirements of the regulations in 10 CFR Part 50, Appendix A, and GDC 17. It is our understanding that subsequent to the issuance of SRP Section 8.2, Revision 4, the staff determined that GDC 2 is not applicable to the offsite power system. The staff determination was documented in a January 23, 2009 e-mail from Thomas Bergman to Russ Bell, "NRC response to GDC 2, 4 and 5 one-pager" (ML090260039). This conclusion is also stated in a couple places including NUREG-1966, the final SER for the ESBWR, and in the SE w/Open Items for the US-APWR. Based on this, we weren't sure whether citing this conclusion would adequately resolve the question or whether there was some other aspect that the staff feels we need to address. Could you please check with the reviewer that issued the RAI on this before we submit our final response. Let me know if we need to have a clarification call to get a better understanding.

Thanks,

Steve Mannon

Director of Licensing

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From: "Ciocco, Jeff" <Jeff.Ciocco@nrc.gov>

To: Steven Mannon <steven.mannon@aecom.com>, Andy Jiyong Oh <jiyong.oh5@gmail.com>, "Jungho Kim (jhokim082@gmail.com)" <jhokim082@gmail.com>

CC: "Wunder, George" <George.Wunder@nrc.gov>, "Ward, William" <William.Ward@nrc.gov>

Subject: Withdrawing RAI 451-8560, Question 08.01-20 on GDC 2 Compliance for Offsite Power Systems

Thread-Topic: Withdrawing RAI 451-8560, Question 08.01-20 on GDC 2 Compliance for Offsite Power Systems

Thread-Index: AdHAW6EuPK4itTokS7GyoSJrmawS6g==

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