From:	Duke, Paul R.
To:	Hughey, John
Cc:	Thomas, Brian J.
Subject:	RE: Hope Creek Digital I&C Phase 0 Pre-Application Meeting MF1896
Date:	Wednesday, July 17, 2013 8:18:54 AM

correct

From: Hughey, John [mailto:John.Hughey@nrc.gov]
Sent: Wednesday, July 17, 2013 8:14 AM
To: Duke, Paul R.
Cc: Thomas, Brian J.
Subject: RE: Hope Creek Digital I&C Phase 0 Pre-Application Meeting MF1896

Paul,

I will pass this on to the NRC technical staff and I will let you know if any further information inquiries are received.

I will be making this e-mail publicly available in ADAMS. So, just to confirm – I understand that the information in the e-mail below does not contain any proprietary or sensitive information, correct?

Thank you,
John

John Hughey
Salem / Hope Creek Project Manager
NRR / Division of Operating Reactor Licensing
Phone: 301-415-3204
e-mail: John.Hughey@nrc.gov

From: Duke, Paul R. [mailto:Paul.Duke@pseg.com]
Sent: Tuesday, July 16, 2013 4:52 PM
To: Hughey, John
Cc: Thomas, Brian J.
Subject: RE: Hope Creek Digital I&C Phase 0 Pre-Application Meeting MF1896

John, here is a description of the planned replacement. Please let me know if the staff needs more information.

> PSEG intends to replace the existing analog Power Range Monitor (PRM) subsystem at Hope Creek with the more reliable, microprocessor-based digital GEH NUMAC PRNM system. The NUMAC PRNM system design includes an automatic instability trip function, Oscillation Power Range Monitor (OPRM). Thus, Hope Creek will be transitioning from the ASEA Brown Boveri (ABB) Option III stability solution to the GEH stability solution. The NUMAC PRNM system retrofit is based on an approved Licensing Topical Report (see citations below). The LAR and required documentation will be submitted in accordance with ISG-06. The Hope Creek NUMAC PRNM will be similar to the system that Energy Northwest requested

approval for at Columbia Generating Station.

- NEDC-32410P-A Volume 1, “Nuclear Measurement Analysis and Control Power Range Neutron Monitor (NUMAC PRNM) Retrofit Plus Option III Stability Trip Function,” October 1995. [TAC NO. M90616]
- NEDC-32410P-A Volume 2 -- Appendices, “Nuclear Measurement Analysis and Control Power Range Neutron Monitor (NUMAC PRNM) Retrofit Plus Option III Stability Trip Function,” October 1995. [TAC NO. M90616]
- NEDC-32410P-A, Supplement 1, “Nuclear Measurement Analysis and Control Power Range Neutron Monitor (NUMAC PRNM) Retrofit Plus Option III Stability Trip Function,” November 1997. [TAC NO. M95746]

Paul
