

**From:** "Hastings, Peter S" <pshastings@duke-energy.com>  
**To:** "Joelle L STAREFOS" <jls1@nrc.gov>  
**Date:** 03/06/2007 9:47:53 PM  
**Subject:** RE: AP1000/ESBWR Pre-Application Interactions

Please find attached a corrected version of the attachment originally transmitted via the message below. The only change to the attachment is removal of the "proprietary" indication inadvertently retained from an earlier draft of the document. I apologize for any confusion or inconvenience.

Depending on the context in which this attachment is posted in ADAMS, you may wish to note that its proposed meeting topics and proposed dates will have been superseded as a result of subsequent discussions and clarifications.

Please let me know if you have any questions.

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From: Hastings, Peter S  
Sent: Fri 2/16/2007 4:26 PM  
To: Joelle L STAREFOS; 'tak@nrc.gov'  
Cc: ZINKE, GEORGE A; Thomas L WILLIAMSON; Regina\_Borsh@dom.com  
Subject: AP1000/ESBWR Pre-Application Interactions

Pursuant to our recent joint DCWG meeting, please find attached a proposed list of meeting topics for the next three joint AP1000/ESBWR DCWG meetings. This list reflects pre-application interaction topics prioritized primarily by the ESBWR and AP1000 DCWGs, with some input from the EPR and ABWR DCWGs. The topic list is primarily a joint AP1000/ ESBWR DCWG effort with limited input from EPR/ABWR reps. We have erred on the side of inclusion and indicated many topics as potentially applicable to "all" DCWGs, but this list will not necessarily represent all ABWR or EPR issues.

The list of topics includes some SCWG-specific topics as well, based on our prior successful meeting format (i.e., joint DCWG topics followed by DCWG-specific topics). Some of these subjects may also involve separate, smaller meetings to resolve issues, and other DCWG- or site-specific topics will be discussed in meeting forums outside of the joint AP1000/ESBWR DCWG meetings. Further, as additional emergent topics are identified and priorities evolve, we would expect specific meeting agendas to be amended accordingly.

In previous discussions with the Staff, we had discussed the following dates for advance scheduling of DCWG meetings for the next several months:

- \* 22 Mar
- \* 02 May
- \* 13-14 Jun
- \* 24-25 Jul
- \* 11-12 Sep
- \* 01-02 Nov
- \* 13-14 Dec

As a result of our internal discussions, however, we would like to request expansion of the first two meetings to two days as well (22-23 Mar and 02-03 May). We feel it is important to expand these meetings as a result of the significant number of topics that should be discussed prior to completion of COLA drafts. If space is unavailable for the additional days, we will work with you as we have in the past to identify other arrangements in the Washington/Rockville area.

Specific topics have not been proposed beyond the third two-day meeting; we will continue our development of prioritized topics to develop agenda items for those later meetings.

If you have any questions, please feel free to contact me, Tom Williamson, or Gina Borsh at your convenience.

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**From:** "Hastings, Peter S" <pshastings@duke-energy.com>  
**Created By:** pshastings@duke-energy.com

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**Table 1- COL Pre-Application Topics for Discussion at Future DCWG Meetings**

Item No.	Applicability <sup>1</sup>	Topic	Proposed Meeting Forum
1	ALL	COLA Items: 1. Agreed approach for resolution of "COL Holder" and other COL Items (RG 1.206 options per 2/13/07 revision) 2. Additional discussion on admin controls related to COLA FSAR commitments addressing "COL Holder" actions 3. Specific COLA Items that may need clarification regarding intent and timing	DCWG #1 22-23 March Two Day Meeting
2	ALL	Generic discussion -acceptable level of detail of selected operational programs (generally not applicable to NEI template programs). Specific program discussions: 1. Process and effluent monitoring/sampling (ODCM) 2. Process Control Program (PCP) 3. Environmental Qualification 4. Reactor Vessel Material Surveillance 5. Containment Leakage Rate Testing 6. Preservice and Inservice Inspection 7. Preservice and Inservice Testing 8. Motor Operated Valve Testing	
3	ALL	Misc format issues, questions raised in 2/2 NRC COLA FSAR workshop, primarily related to use of Left Margin Annotation (LMA) method	
4	ALL	Finalization of ESBWR DCD ITAAC and form/content of ITAAC applicable to non-DCD scope or "new" systems	
5	ALL	Format/content for unique reports required for a COLA, such as the Departures Report	
6	ALL	Level of detail in COL applicant organizational structure description	
7	ALL	Level of detail for radwaste management systems descriptions	
8	ALL	QA applied to COLA development; NRC site inspections	
9	ALL	Documentation necessary to demonstrate conformance to RG 1.206 and SRPs (as required by proposed rulemaking and under the guidance of RG 1.206, C.1.1.1.6.1)	
10	ALL	FERC-NRC Interface Update	
11	ALL	Summary of ER activities at sites	
12	ALL	SAMA issues	
13	ALL	NRC plans for inspection of selected pre-application activities	
14	ESBWR/ AP1000	Parallel review of DCDs and development of COLA content: 1. Configuration control of DCD changes 2. Parallel review issues related to AP1000 Rev 16 and ESBWR DCD Rev 3+ 3. Impact of revised ESBWR DCD review approach (i.e., no "SER w/open items") 4. Scope of design certification amendments	

<sup>1</sup> "All" indicates applicability across all DCWGs. "COLA ESP" indicates applicability to COL applications referencing an ESP. "GG" is Grand Gulf. "NAPS" is North Anna Power Station. "RBS" is River Bend Station.

**Table 1- COL Pre-Application Topics for Discussion at Future DCWG Meetings  
(continued)**

<b>Item No.</b>	<b>Applicability<sup>1</sup></b>	<b>Topic</b>	<b>Proposed Meeting Forum</b>
15	ALL	Emergency Planning - FEMA involvement and how to handle sites with no existing plant / implemented local E Plans (may not be developed by COLA).	DCWG #2 02-03 May Two Day Meeting
16	ALL	52.79(a)(31) compliance, construction impacts to existing units - approach to FSAR treatment	
17	ALL	Describing "new" systems in COLA FSAR either implied in DCD or not explicitly discussed in DCD	
18	ALL	LWA requests and redress plans	
19	ALL	Level of detail for selected COLA topics (additional specific topics TBD): 1. Radiation Protection 2. Emergency Plan 3. Plant Procedures 4. Fire Protection	
20	ESBWR	Approach to PRA in COLA	
21	ESBWR	Approach to HFE. Referencing DCD, GE topical and "result summary reports."	
22	ESBWR	Approach to I&C issues in COLA; IBR of DCD	
23	Site Specific GG/RBS	Seismic: 1. Shear wave velocity - discussion of how FSAR will treat compliance with ESBWR design parameter: minimum value of 1000 fps. 2. Seismic considerations related to Gulf of Mexico	

**Table 1- COL Pre-Application Topics for Discussion at Future DCWG Meetings  
(continued)**

<b>Item No.</b>	<b>Applicability<sup>1</sup></b>	<b>Topic</b>	<b>Proposed Meeting Forum</b>
24	ALL	Interfaces with other agencies	<p align="center">DCWG #3 13-14 June Two Day Meeting</p>
25	ALL	Level of detail for selected COLA topics (specific topics TBD)	
26	ALL	Electronic submittal	
27	ALL	Close out of DAC in COLA FSAR	
28	ALL	Level of detail for Supplemental Information requested by DG-1145 (RG 1.206) - e.g., met data, EIPs	
29	ALL	Environmental Report: Need for power (generic)	
30	ESBWR/AP1000	General listing of likely departures, exemptions, variances common to ESBWR/AP1000 COLAs	
31	COLA ESP	Definition and application of the term "Variance"; confirm understanding once final rule is approved; format/content/location of variance justification in Departure Report	
32	ESBWR	ESBWR approach to DRAP; treatment in COLA FSAR	
33	ESBWR	Acceptable approach to addressing ESBWR "Interfaces with Standard Design" (DCD 1.8)	

**Table 2 – COL Pre-Application Topics for Discussion at Future Site Meetings**

Item No.	Applicability	Topic	Proposed Meeting Forum
1	Site Specific GG	Environmental Report: 1. Specific topic level of detail 2. NRC public meeting at site w/stakeholders 3. State/local interface: status of permits; discuss any special issues 4. Variances and impacts related to ESBWR thermal and electric rating design characteristic 5. Need for Power 6. Expected results from T&D study; impacts to ER content	Site visit only
2	Site Specific GG	LWA and site preparation plans at GG	Site visit only
3	Site Specific NAPS	Environmental Report: 1. Specific topic level of detail 2. NRC public meeting at site w/stakeholders 3. State/local interface: status of permits; discuss any special issues 4. Use of same “compressed” approach 5. Site programs 6. Need for power 7. Expected results from T&D study; impact to ER content	Site visit only
4	Site Specific NAPS	LWA and site preparation plans at North Anna	Site visit only
5	Site Specific Lee	Environmental Report: 1. Specific topic level of detail 2. NRC public meeting at site w/stakeholders 3. State/local interface: status of permits; discuss any special issues	Site visit only
6	Site Specific Lee	LWA and site preparation plans at Lee	Site visit only
7	Site Specific Harris	Environmental Report: 1. Specific topic level of detail 2. NRC public meeting at site w/stakeholders 3. State/local interface: status of permits; discuss any special issues	Site visit only
8	Site Specific Harris	LWA and site preparation plans at Harris	Site visit only
9	Site Specific Summer	Environmental Report: 1. Specific topic level of detail 2. NRC public meeting at site w/stakeholders 3. State/local interface: status of permits; discuss any special issues	Site visit only
10	Site Specific Summer	LWA and site preparation plans at Summer	Site visit only
11	Site Specific Bellefonte	Environmental Report: 1. Specific topic level of detail 2. NRC public meeting at site w/stakeholders 3. State/local interface: status of permits; discuss any special issues	Site visit only
12	Site Specific Levy	TBD	Site visit only
13	ALL	NRC QA Inspections	Site visit only