

Agenda for Public Meeting

AP1000 and ESBWR Design-Centered Working Groups (DCWGs)

December 7, 2006

8:00 a.m.	Introductions/Opening Remarks	All
8:15 a.m.	Emergency Action Levels (passive design)	DCWGs
8:45 a.m.	Environmental Review Process (new/significant)	DCWGs
9:15 a.m.	Environmental Pre-application Activities	NRC
9:45 a.m.	Break	All
10:00 a.m.	FERC-NRC Application Processes	DCWGs
10:30 a.m.	COL Permitting Issues (State/Local/Other Federal)	DCWGs
11:00 a.m.	Prior meetings follow-up items <ul style="list-style-type: none">▶ FSAR standardized format▶ Topical Reports▶ NRC Invoices - DCWGs▶ Other	DCWGs/NRC
11:25 a.m.	Public Comment Opportunity	Public
11:30 a.m.	Lunch	All
2:00 p.m.	ESBWR Projects Status ESBWR Disposition of COL items Prior meetings follow-up - ESBWR topics	DCWG
2:45 p.m.	Break	All
3:00 p.m.	AP1000 Projects Status AP1000 Probabilistic Risk Assessment AP1000 Design Control Document Revision Process Prior meetings follow-up - AP1000 topics	DCWG
4:45 p.m.	Public Comment Opportunity	Public
4:55 p.m.	Wrap-Up	NRC
5:00 p.m.	Adjourn	

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AP-1000 & ESBWR DCWG Meeting Attendees, December 7, 2006

Name	Organization
Kenneth Ainger	Exelon Generation
Robert Atkinson	Dominion
Amy G. Aughtman	Southern Nuclear
Al Baione	Perot Systems
Tony Banks	Dominion
Richard Barrett	NRC/NRO
Jean-Pierre Berger	EDF
Steven Bloom	NRC/NRO
Gina Borsh	Dominion
Ray Burski	Enercon Services
Patricia L. Campbell	GE
Guy Cesare	NuStart
Nilesh Chokshi	NRC/NRO
Brent Clayton	NRC/NRO
Amy Cubbage	NRC/NRO
Don Dube	NRC/NRR
Bob Evans	Enercon
Steven Frantz	Morgan Lewis
Eddie R. Grant	NuStart/EXCEL
Richard Grumbir	NuStart/Excel
LaVaughn L. Hamblin	Bechtel
Salman Haq	NRC
Peter Hastings	Duke/NuStart
Joe Hegner	Dominion
Thomas Hicks	NuStart
Cristina Ionescu	Progress Energy

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Name	Organization
Ryuji Iwasaki	Toshiba
Paul Kallan	NRC
Leslie Kass	NEI
Tom Kevern	NRC/NRO
Rick Kingston	GE
Andy Kugler	NRC/NRO
Lew LaGarde	Enercon Services
Joseph A. Mihalcik	UniStar Nuclear
Amy M. Monroe	SCE&G
Geoff Quinn	Bechtel
Parmer Ranjitsinh	NRC/NRR
Cal Reid	Bechtel
Derek Richard	Entergy/NuStart
Jonathan Rund	NRC/OGC
Al Schneider	Enercon
Roger Scott	NuStart
Martha Shields	DOE
Mohammed Shuaibi	NRC/NRO
Tom Slavonic	Enercon Services
Marvin Smith	Dominion
Joelle Starefos	NRC/NRO
Andrea Sterdis	Westinghouse
John Vorees	Bechtel
Chris Waltman	Burns & Roe
Tom Williamson	Entergy/NuStart
Dan Williamson	Exelon
Garry G. Young	Entergy Nuclear
George Zinke	Entergy/NuStart

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Transmission Access Agency for new nuclear plants

Licensee	Potential Plant Site	Transmission Access Agency
Amarillo Power	Texas	ERCOT
Constellation	Maryland	FERC
Dominion	Virginia	FERC
Duke Energy	South Carolina	Duke Energy Transmission
Entergy	Louisiana	FERC
Entergy	Mississippi	FERC
Exelon	Clinton	FERC
Exelon	Texas	Public Utility Commission of Texas/ERCOT
FP&L	Florida	FPL Transmission manages access to the grid as the FRCC System Coordinator
Progress Energy	Florida	FERC
Progress Energy	North Carolina	FERC
SCANA	South Carolina	FERC
Southern Company	Georgia	Georgia Integrated Transmission System
STP/NRG	Texas	ERCOT
Texas Utilities	Texas	ERCOT
TVA	Alabama	TVA (follows FERC regulations voluntarily)

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AP1000 / ESBWR DCWG Action Item List

REVISION DATE: 12/22/2006

Page: 1 of 5										
Act	Item No.	Ref. No.	Action Item/Work Activity Description	Source of Action Item	Resp Org	Resp Person	Orig. Fcst Complt Date	Forecast Complt Date	Actual Complt Date	Remarks
J Joint AP 1000 / ESBWR										
C	16	J-01	The Joint/Integrated DCWGs need to propose schedules for meetings with NRC on future focus topics: e.g., to discuss the FERC and NRC regulatory processes and the problems associated with the timing of these efforts.	10/24/06 NRC Meeting	Joint	J. Hegner	12/7/2006	12/7/2006	12/7/2006	Discussed at 12/7/06 DCWG meeting.
C	17	J-02	The Joint/Integrated DCWGs need to propose schedules and agendas for a series of meeting workshops with NRC to discuss progress in development of FSAR Chapters, e.g., Chapters 8, 10, 11, and 12.	10/24/06 NRC Meeting	Joint	J. Hegner	12/7/2006	12/7/2006	12/7/2006	Discussed at 12/7/06 DCWG meeting.
A	18	J-03	DCWGs to propose a meeting date for clarifying the method for determining EALs, i.e., is the approach for passive plants different from that used for active plants and is it based on risk?	12/7/06 NRC Meeting	Joint	P. Hastings	12/31/2006	12/31/2006		
A	19	J-04	DCWGs were requested to develop examples and submit to NRC showing use of the new and significant process for discussion at a future DCWG meeting.	12/7/06 NRC Meeting	Joint	J. Hegner P. Hastings	1/5/2007	1/5/2007		
A	20	J-05	DCWGs were requested to coordinate the pre-application environmental review activities with NRC.	12/7/06 NRC Meeting	Joint	J. Hegner P. Hastings	1/12/2007	1/12/2007		
A	21	J-06	NRC agreed to facilitate formation of a subgroup on FERC-NRC roles and responsibilities related to regulation of electric transmission grids.	12/7/06 NRC Meeting	NRC	T. Kevern	1/12/2007	1/12/2007		
A	22	J-07	NEI will coordinate all four DCWGs and industry's formation of a subgroup on the FERC-NRC review processes.	12/7/06 NRC Meeting	NEI	L. Kass	1/12/2007	1/12/2007		

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ACT LEGEND: A : Added; C : Closed; R : Revised

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Page: 2 of 5										
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J Joint AP 1000 / ESBWR										
A	23	J-08	NRC will look to see if there is an existing FERC and NRC Memorandum of Understanding (MOU).	12/7/06 NRC Meeting	NRC	J. Starefos	12/15/2006	12/15/2006		
A	24	J-09	NEI will identify which COL applicant utilities are impacted by FERC regulation of transmission grids and which are not, e.g., utilities in Texas, TVA, etc.	12/7/06 NRC Meeting	NEI	L. Kass	12/15/2006	12/15/2006		
A	25	J-10	DCWGs will provide example chapters of the FSAR in early January for an NRC Workshop in early February on the format and level of detail (not technical adequacy).	12/7/06 NRC Meeting	Joint	J. Hegner P. Hastings	1/5/2007	1/5/2007		
A	26	J-11	NRC will consider use of a conference room outside of the NRC building for the Workshop on example FSAR chapters.	12/7/06 NRC Meeting	NRC	T. Kevern	2/1/2007	2/1/2007		Discuss at next DCWG meeting.
A	27	J-12	DCWGs will consider use of a CD to provide the meeting materials for the example FSAR chapter Workshop which would permit a test of electronic file linking (COLA FSARs, COLA ERs, generic DCDs, ESP Applications, etc.).	12/7/06 NRC Meeting	Joint	J. Hegner P. Hastings	1/5/2007	1/5/2007		
A	28	J-13	NEI will provide the schedule for submittal of NEI-prepared Technical Reports.	12/7/06 NRC Meeting	NEI	L. Kass	2/1/2007	2/1/2007		Discuss at next DCWG meeting.
A	29	J-14	Each DCWG will request NRC to treat the DCWG as a business entity to allow NRC to invoice the entity and have the entity be responsible for allocating NRC costs between members.	12/7/06 NRC Meeting	Joint	G. Zinke P. Hastings	2/1/2007	2/1/2007		Discuss at next DCWG meeting.
A	30	J-15	NRC will be prepared to address the scope of "other site work to support plant construction" at the next joint DCWG meeting.	12/7/06 NRC Meeting	NRC	T. Kevern	2/1/2007	2/1/2007		Discuss at next DCWG meeting.

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J Joint AP 1000 / ESBWR										
A	31	J-16	NRC will be prepared to provide feedback on the acceptability of operational programs in a generic DCD at the next joint DCWG meeting.	12/7/06 NRC Meeting	NRC	T. Kevern	2/1/2007	2/1/2007		
A	32	J-17	NRC will be prepared to address information needed on fabrication schedules at the next joint DCWG meeting.	12/7/06 NRC Meeting	NRC	T. Kevern	2/1/2007	2/1/2007		
A	34	J-19	NRC will provide an update on preparations to issue DG-1145 as final (which sections changing or not).	12/7/06 NRC Meeting	NRC	T. Kevern	2/1/2007	2/1/2007		
A	36	J-18	DCWGs agreed to prepare a single integrated Action Item list that could be updated after each meeting and attached to the NRC's meeting summary.	12/7/06 NRC Meeting	Joint	J. Hegner G. Zinke	1/8/2007	1/8/2007		
C	37	J-20	NRC to plan a conference call for the week of December 11, 2006, to discuss preparation of the integrated Action Item list.	12/7/06 NRC Meeting	NRC	J. Starefos	12/11/2006	12/11/2006	12/11/2006	Conference call held on 12/11/06
A	41	J-21	DCWGs to evaluate SOC for new rule and request if additional basis needed for the NRC definition of "significant" as regards "new and significant" in evaluating change in environmental impacts between an ESP EIS and COLA EIS	12/7/06 NRC Meeting	Joint	J. Hegner G. Zinke	2/16/2007	2/16/2007		
AP AP 1000										
A	33	AP-01	NRC will be prepared to address TSC location at a closed portion of a future meeting.	12/7/06 NRC Meeting	NRC	J. Starefos	2/1/2007	2/1/2007		Hastings to determine if facilities exist to meet via teleconference
A	38	AP-02	NRC to provide feedback on the proposals by the AP 1000 DCWG for updating the AP 1000 DCD	12/7/06 NRC Meeting	NRC	J. Starefos	2/1/2007	2/1/2007		

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AP AP 1000										
A	39	AP-03	Westinghouse to establish meeting with NRC on validation issues relative to the electronic version of Revision 15 of the DCD	12/7/06 NRC Meeting	W	A. Sterdis	2/1/2007	2/1/2007		
A	40	AP-04	AP1000 DCWG will provide the NRC with a schedule for Technical Report submittals	12/7/06 NRC Meeting	AP	P. Hastings	2/1/2007	2/1/2007		
ES ESBWR										
C	3	ES-03	NRC will address when pre-COLA submittal public outreach meetings will be held in the vicinity of each plant.	9/20/06 NRC Meeting	NRC	T. Kevern	12/7/2006	12/7/2006	12/7/2006	Discuss at 12/7/06 DCWG meeting
C	4	ES-04	GE to update the plan for addressing COL Items: scope, schedule, and venue (in the ESBWR DCD, or in the FSARs).	9/20/06 NRC Meeting	GE	R. Reith	12/7/2006	12/7/2006	12/7/2006	Issue discussed in 10/24/06 GE/NRC meeting. Will be updated in next DCWG/NRC meeting.
R	7	ES-07	ESBWR DCWG to submit letter on communications protocol.	9/20/06 NRC Meeting	ES	J. Hegner	10/24/2006	2/1/2007		
R	11	ES-11	NRC requested that GE identify those COL Item dispositions in ESBWR DCD Rev 3 that would require intensive NRC staff review. If the COL Item database is to provide such information, the database needs to be submitted on the ESBWR DCD docket regularly.	10/24/06 NRC Meeting	GE	R. Reith	12/7/2006	2/1/2007		Discuss at 2/1/07 DCWG meeting.
R	12	ES-12	NRC was requested to identify the technical areas of COL Application review that NRC expects would be the critical path activities for their review; and if there are pre-application interactions that could reduce the critical path.	10/24/06 NRC Meeting	NRC	T. Kevern	12/7/2006	2/1/2007		Discuss at 2/1/07 DCWG meeting.
R	13	ES-13	NRC was requested to comment on the format of draft FSAR Chapter 2 and the way the FSAR refers to and incorporates the ESBWR DCD and North Anna ESP Application SSAR.	10/24/06 NRC Meeting	NRC	T. Kevern	12/7/2006	2/2/2007		Review at Upcoming DCWG Workshop

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ES ESBWR										
R	14	ES-14	The ESBWR DCWG was requested to consider providing an example of the format for Chapter 2 of the River Bend FSAR since it would not refer to or incorporate information from an ESP Application SSAR.	10/24/06 NRC Meeting	ES	G. Zinke	1/31/2007	2/2/2007		Review at Upcoming DCWG Workshop
R	15	ES-15	The ESBWR DCWG was requested to consider providing an explanation of the reason supplemental information was being added to a Chapter and to consider numbering each side header identifying supplemental information as a means to correlate the explanations.	10/24/06 NRC Meeting	ES	J. Hegner	12/7/2006	2/2/2007		Discuss at Upcoming DCWG Workshop
A	35	ES-16	GE to schedule a meeting with NRC on COL Items and ITAAC in the ESBWR DCD.	12/7/06 NRC Meeting	GE	R. Reith				

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FEDERAL ENERGY REGULATORY COMMISSION
WASHINGTON, DC 20426

To: Dyer, NRE
Ref. # 200400079

OFFICE OF THE CHAIRMAN

September 1, 2004

Cys: EDO
DEDMRS
DEDH
DEDM
AO
DEDR
NSIR
OGC
8/23/04 Ltr.

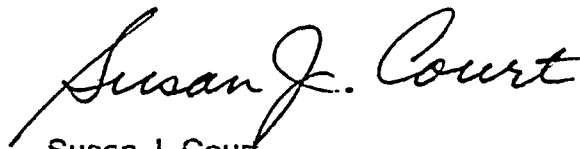
Luis A. Reyes
Executive Director for Operations
Nuclear Regulatory Commission
Washington, D.C. 20555-0001

Dear Mr. Reyes,

Enclosed is a signed copy of the Memorandum of Agreement between the NRC and the FERC. The incoming letter apparently took some time to get here as it seemed to have been "de-antraxed."

Thank you for your assistance in this matter, which will facilitate relations between our two agencies.

Sincerely,



Susan J. Court
Chief of Staff

Enclosure

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E-KIDS: EDO-01

MEMORANDUM OF AGREEMENT
between the
U.S. NUCLEAR REGULATORY COMMISSION
and the
FEDERAL ENERGY REGULATORY COMMISSION

PURPOSE

The primary purpose of this memorandum of agreement (MOA) is to facilitate interactions between the U.S. Nuclear Regulatory Commission (NRC) and the Federal Energy Regulatory Commission (FERC) on matters of mutual interest pertaining to the nation's electric power grid reliability and related implementation activities based on the August 14, 2003, outage recommendations by the U.S.-Canada Power System Task Force. The Electrical & Instrumentation and Controls Branch (EEIB) in the Division of Engineering, Office of Nuclear Reactor Regulation, NRC, has the responsibility for evaluating the design and operation of the electric power grid systems with regard to the inter-relationship between the nuclear power generating unit, the utility offsite electric power grid and interconnecting grids, and for assessing the reliability and integrity of the electric power grid as they relate to nuclear power plant (NPP) safety. EEIB has been tasked with coordinating its implementation of action plans for addressing grid concerns that have the potential of impacting the safe operation of NPPs, with the activities by FERC's Division of Reliability, Office of Markets, Tariffs and Rates, involving the reliability, integrity, security, and operation of the national grid.

This MOA sets forth the basic principles and guidelines under which the Commissions and their staffs will work together to accomplish these tasks.

PRINCIPLES OF COOPERATION

Article 1. Responsibility

NRC and FERC will mutually coordinate, prioritize, integrate, and manage the tasks. The NRC and FERC will identify managers to implement and coordinate the activities. The managers will mutually reach consensus on the scope of work; deliverables (if any) and delivery dates; anticipated products and outcomes; periods of performance; levels of funding and resources to be provided for each activity by the parties; and any other appropriate and necessary aspects of mutual activities. This MOA does not serve to commit or obligate appropriated funds. NRC's and FERC's activities, efforts and tasking are subject to availability of appropriated funds. This MOA recognizes the responsibilities of individual agencies and does not preempt the responsibility of any Federal agency or take away any authority from any Federal agency to pursue its legislated regulatory programs.

Article 2. Guidelines for Cooperative Work

The cooperative efforts shall be implemented so as to avoid conflict of interest. This will be normally accomplished by having the focus of the cooperative efforts on the basic information

ATTACHMENT

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and data needs of each party, and not on solutions to specific regulatory issues or the application of the data to regulations. Developing solutions to regulatory issues or applying the data to regulations shall be done independently by the parties outside the terms of this MOA.

The information gained and results produced by the cooperative program will be shared by the Commissions. To keep the Commissions apprised of the status of the work by each staff, the staffs will meet periodically to discuss in detail the activities underway.

Proprietary and Critical Energy Infrastructure Information supplied to conduct the work will be protected in accordance with applicable rules and regulations.

NRC and FERC shall be free to publish the results from the cooperative work in reports, journals, or conference proceedings as they judge appropriate.

Article 3. Information Sharing during Emergency Response

During emergencies involving the electrical grid, grid information is important for decision makers. Protocols for sharing information regarding grid status will be developed and tested periodically. Emergency communications will be via NRC's Headquarters 24/7 Operations Center and 24/7 contact points at FERC.

Article 4. Active Involvement in Existing, Planned, and Future Grid-related Activities

To gain a better capability by the Commissions to monitor and assess the condition of the grid during normal, alert, and emergency operational conditions, active involvement of Commission's staff personnel in existing and future programs will be considered. For example: 1) Participation in FERC and North American Electric Reliability Council (NERC) technical working groups, reliability readiness audits, etc., 2) Participation in FERC and NRC follow up activities related to the U.S.-Canada Power System Outage Task Force recommendations, and follow up of future events (such as the June 14, 2004, loss of offsite grid at Palo Verde Nuclear Plant), and 3) Sharing of historical grid data and other information not publicly available.

Article 5. Effective Date

This MOA is effective upon signing and will remain in effect unless and until terminated as provided under Article 7 of this MOA.

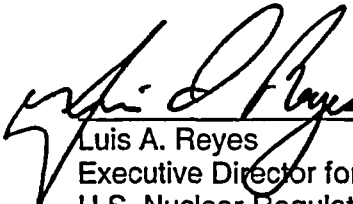
Article 6. Amendments

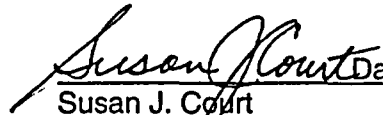
This MOA may be modified or amended by written agreement.

Article 7. Termination

This MOA will expire sixty (60) months from the date of execution unless renewed by mutual agreement. This MOA may be terminated at any time by mutual agreement of the parties.

AGREEMENT

 Date: 8/23/04
Luis A. Reyes
Executive Director for Operations
U.S. Nuclear Regulatory Commission

 Date: 9/1/04
Susan J. Court
Chief of Staff
Federal Energy Regulatory Commission

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