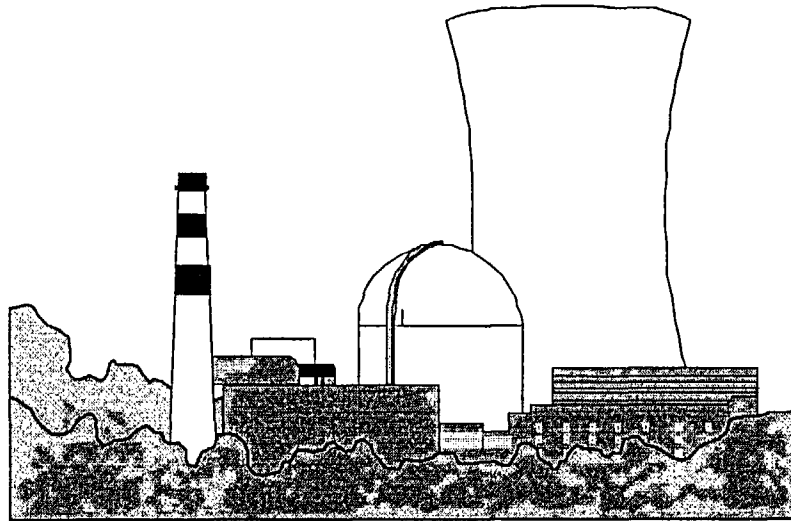


10 CFR Part 52 Issues



January 15, 2004

James E. Lyons, Director

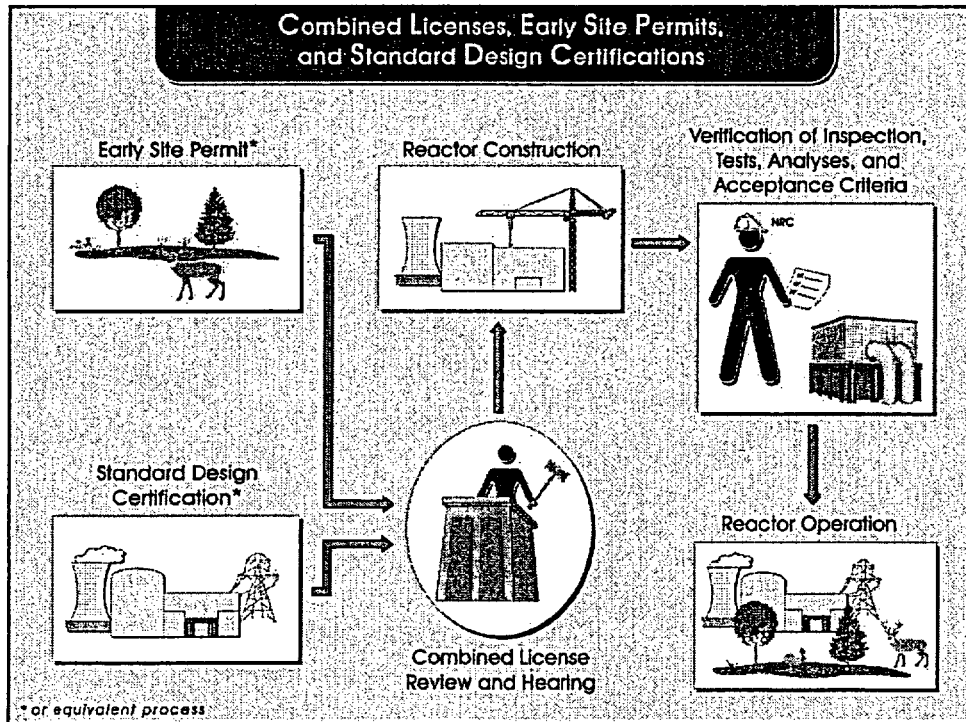
New, Research and Test Reactor Program

Office of Nuclear Reactor Regulation

U.S. Nuclear Regulatory Commission

Agenda
January 15, Senior Management Meeting
with NEI

- | | | |
|-----------|---|---------|
| 3:00 p.m. | Introductory Comments | NRC/NEI |
| 3:10 p.m. | Discussion of 10 CFR Part 52 combined license (COL) issues <ul style="list-style-type: none"> • Integrated overview of current and imminent new plant licensing activities • Potential impacts on NRC and industry resources • Overview and status of COL policy and process implementation issues, vehicles and schedules for resolution • Status of responses to DOE solicitation for cooperative agreement on licensing demonstration projects • Potential COL licensing scenarios, timelines for submittal, impacts on NRC resources | NEI/NRC |
| 4:00 p.m. | Public Comment | |
| 4:15 p.m. | Summary | |
| 4:30 p.m. | Adjourn | |



NRC Resource Implications

- NRR FY2004/2005 new reactor resources reduced to support additional license renewal reviews
- Available NRR resources being used for
 - Early site permits
 - AP1000 design certification
 - ESBWR and ACR-700 preapplication reviews
 - Construction Inspection Program
 - COL issues
- Increased interactions on COL issues will be limited by resources
- Planning for one COL application in FY2006
- Additional early site permit or COL applications will be a challenge

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COL Process and Construction Inspection Program
NEI-NRC Generic Discussion Topics

COL/CIP Topic		Priority / Time Frame	Discussion/Resolution Vehicle	Interim Milestone(s)
COL-1	Identify most likely COL scenarios, develop nominal NRC review/hearing timeline(s) and identify opportunities to optimize the COL licensing process	2Q03/4Q04	TBD	TBD – Industry proposals
COL-2	Develop COL application format and content guidance, including detailed outline and generic material (NEI 04-01)	2Q03/4Q04	NEI COLA Guideline	<ul style="list-style-type: none"> • 11/20/03 initial mtg w/NRC • 2Q04 – Detailed COLA outline • 4Q04 – Rev. 0 NEI 04-01
COL-3	Establish a common understanding with NRC regarding the Engineering Design Verification process	2Q03/4Q03	<ul style="list-style-type: none"> • NEI 11/01 white paper • Draft CIP Framework Doc 	<ul style="list-style-type: none"> • August 27 NRC Workshop • Oct. 30 industry comments • 2Q04 – Rev. 0 Framework Doc
COL-4	Establish a common understanding with NRC regarding the ITAAC Verification process	2Q03/4Q03	<ul style="list-style-type: none"> • NRC Insp. Guidance 	
COL-5	Establish a common understanding with NRC regarding the 10 CFR 52.103 ITAAC hearing process	2Q03/4Q03	TBD	TBD – NRC feedback on NEI 11/01 white paper
COL-6	Establish a common understanding with NRC regarding the process for assuring operational readiness and transition to operation under Part 52	2Q03/4Q03	<ul style="list-style-type: none"> • NEI 11/01 white paper • CIP Framework Doc • NRC Insp. Guidance 	<ul style="list-style-type: none"> • August 27 NRC Workshop • Oct. 30 industry comments • 2Q04 – Rev. 0 Framework Doc
COL-7	Maximize the clarity and effectiveness of Part 52 requirements	2Q03/2Q04	<ul style="list-style-type: none"> • NOPR • SECY on proposed Final Rule • SRM/Final Rule 	<ul style="list-style-type: none"> • Sept. 16 & 30 industry comments on Part 52 NOPR • 3Q04 – Proposed final rule
COL-8	Determine the treatment of operational programs in a COL application	1Q04	<ul style="list-style-type: none"> • SECY (due 3/04) • SRM 	<ul style="list-style-type: none"> • August 25 NRC Workshop • Sept. 15 industry comments
COL-9	Development of COLA guidance on ESP – COL interface issues	2003/04	NEI 04-01	
COL-10	Development of COLA guidance on the form and content for the emergency planning ITAAC required by Part 52	2003/04	NEI 04-01	

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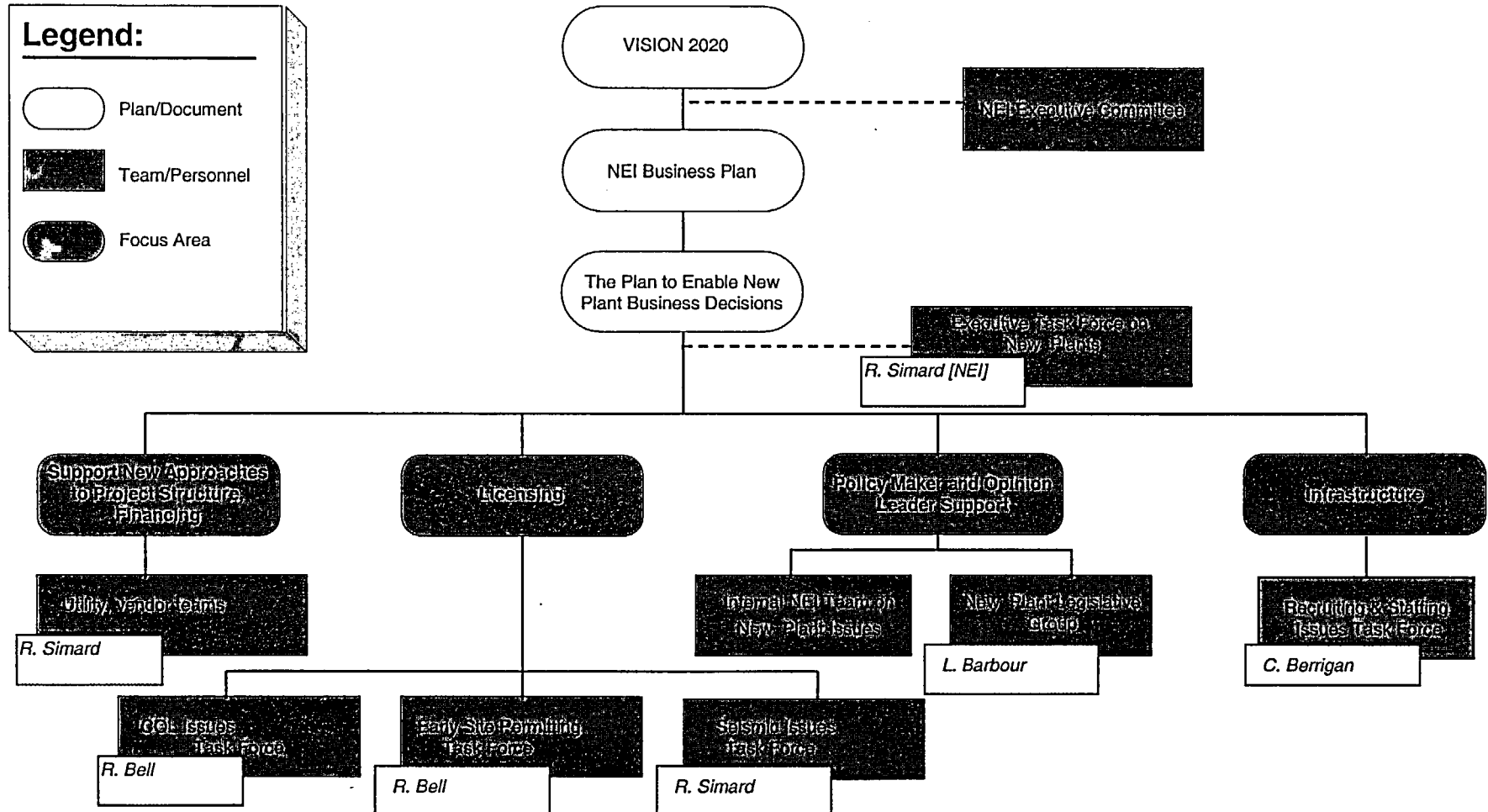
	COL/CIP Topic	Priority / Time Frame	Discussion/Resolution Vehicle	Interim Milestone(s)
COL-11	Development of COLA guidance for providing required plant-specific design information and associated ITAAC	2003/04	NEI 04-01	
COL-12	Identify and address "COL Items" from certified designs that can be addressed generically in advance of the first applications	2003/04	NEI 04-01	
COL-13	Define and address seismic-related issues that need to be resolved to support COL applications and reviews	2003/04	NEI 04-01	
COL-14	Development of COLA guidance on providing required plant-specific PRAs	2004	NEI 04-01	
COL-15	Development of COLA guidance on seeking Limited Work Authorizations (LWA-1 and LWA-2), including guidance on site redress plans	2004	NEI 04-01	
COL-16	Development of guidance for completion of design acceptance criteria (e.g., human factors, control room design, digital I&C) in certified designs	2004	TBD	
COL-17	Development of a human factors engineering plan to address plant staffing requirements (levels and qualifications) of personnel.	2005	TBD	
COL-18	Development of COL form and content, including NRC findings, license conditions, etc.	2005	TBD	
COL-19	Development of Emergency Action Levels appropriate to advanced reactor designs	2005	TBD	
COL-20	Development of guidance on plant-specific technical specifications, including evaluation of lessons learned since the issuance of the ALWR design certifications.	2005	TBD	
COL-21	Development of change process guidelines for control of various categories of COLA information (e.g., Tier 1, Tier 2, Tier 2*, severe accident related, plant specific, etc.)	2005	TBD	
COL-22	Modular plant licensing issues	TBD	TBD	
COL-23	Identify and assess issues peculiar to the no-ESP scenario and the adequacy of existing guidance to support that scenario	TBD	TBD	

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Current status and resolution vehicles for priority COL/CIP issues:

COL/CIP Generic Topic	Vehicle	Written Industry Input	NRC Milestone(s)
COL-2 – Development of COL application (COLA) guidance	NEI Dec. 2004, Rev. 0, COLA guideline	Jan. 12, 2004, letter on form and content basics	<ul style="list-style-type: none"> • NRC reply on COL-2 – TBD • Reg. Guide endorsing NEI 04-01 – 2005
COL-3, 4, & 6 – Engr. design verification; ITAAC verification and transition to operation under Part 52	NRC May 2003 Draft CIP Framework Doc and Aug. 27, 2003, Workshop	Oct. 30, 2003	Revised CIP Framework Doc April 2004
COL-5 – Post-construction hearing process	NRC Dec. 5, 2003, COL-5 letter to NEI	Feb. 2004	TBD
COL-7 – Enhance/clarify Part 52 requirements	Part 52 update NOPR July 3, 2003	Sept. 16 & 30, 2003	Proposed Final Rule Aug. 2004
COL-8 – Treatment of operational programs; need for programmatic ITAAC	NRC July 1, 2003, proposal and Aug. 25, 2003, workshop	Sept. 15, 2003	SECY recommendations March 2004

Activities in support of the plan to enable new plant business decisions



01/15/2004																																							
Integrated Schedule of New Plant Activities																																							
FY2001				FY2002				FY2003				FY2004				FY2005			FY2006			FY07																	
4Q00	1Q01	2Q01	3Q01	4Q01	1Q02	2Q02	3Q02	4Q02	1Q03	2Q03	3Q03	4Q03	1Q04	2Q04	3Q04	4Q04	1Q05	2Q05	3Q05	4Q05	1Q06	2Q06	3Q06	& beyond															
Regulatory Infrastructure - NEI Activities										Further input on alt. sites	Petitions Denied	Key Milestone																											
Part 52	Industry input / Draft rule language				Two petitions & comments / SECY				Input on 52.99	SRM	NOPR	Public comments Evaluation	SECY	Key Milestone (Completed)																									
Legal & Financial Issues & Non-LWR/Mod Plants	SECY-01-0207				Wkshp / W.Paper				SECY/SRM-02-0180				Statutory Changes										Confirming regulatory chngs																
New Regulatory Framework	White Paper				To NRC				Wkshp				Wkshp				Staff recommendations				Follow-up actions																		
Early Site Permits	Site Selection Criteria Doc				Application Guide Draft to NRC				Resolve Generic Issues IMC-2501				Draft Review Std.				ISG				RS-002 issued																		
ESP Guidance	Feasibility Study				Prepare Application				Submittals to NRC				Env. Scoping Mtgs				ESP Application Reviews & Hearings							Dom	Ex	Ent	ESPs												
ESP Applications (Dominion Exelon & Entergy)	DOE RFP on ESPs																																						
Combined Licenses	ITAAC Verification / White Paper				NRC CIP Framework Doc				Wkshp & cmts				Revised CIP FD																										
Constr. Insp. Pam.	To NRC				NRC Cmnts				PITAAC wkshp & cmts				NRC on COL-5&10				PITAAC							+ NRC Interactions															
ITAAC & COL Process Issues	PITAAC White Paper				SECY/SRM				PITAAC				DOE/DOE RFP/CA				COL Application Guidance, Rev. 0							COL Application Guidance, Rev. 1															
COL Application Guidance																				NEI on COL-2					FDA					Rulemaking					DCR				
Design Certifications	Pre-application review				DC Application Submitted				AP1000 Design Certification Review				DSER				DC Review																						
AP1000																				ESBWR Pre-application Activities					Early SERs					DC Review									
ESBWR																				ACR-700 Pre-application Activities					DC Review														
ACR-700																				SWR-1000 Pre-application Activities					DC Review														
SWR-1000																				GT-MHR Pre-application Activities					DC Review														
GT-MHR																				IRIS Pre-application Activities					DC Review														
IRIS																				PBMR Pre-application Activities					DC Review														
PBMR																																							

Note: Schedules indicated are approximate and reflect best available information. They are subject to change.