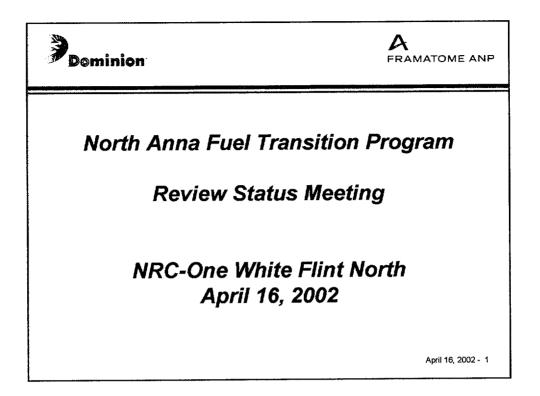
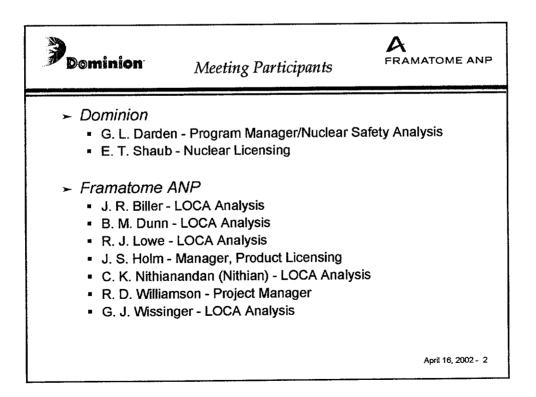
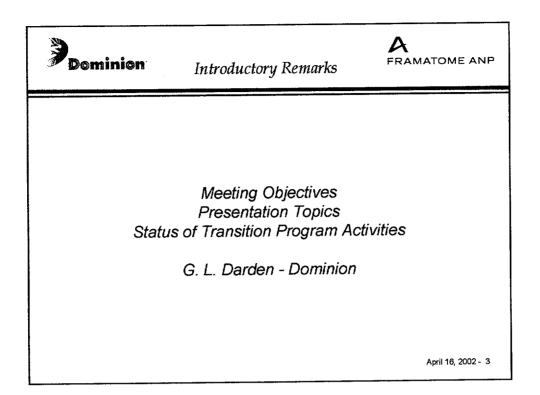
TRANSMITTAL OF MEETING HANDOUT MATERIALS FOR IMMEDIATE PLACEMENT IN THE PUBLIC DOMAIN

This form is to be filled out (typed or hand-printed) by the person who announced the meeting (i.e., the person who issued the meeting notice). The completed form, and the attached copy of meeting handout materials, will be sent to the Document Control Desk on the same day of the meeting; under no circumstances will this be done later than the working day after the meeting. Do not include proprietary materials

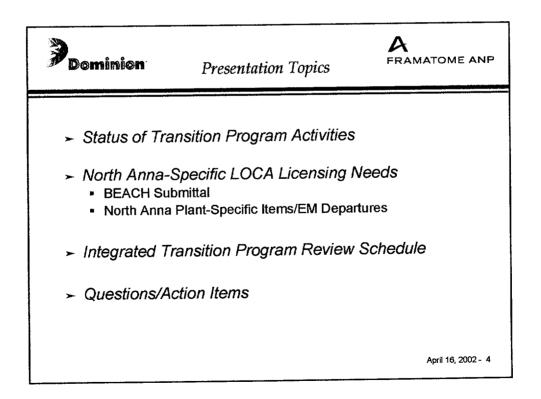
DATE OF MEETING 04/16/2002	The attached document(s), which was/were handed out in this meeting, is/are to be placed in the public domain as soon as possible. The minutes of the meeting will be issued in the near future. Following are administrative details regarding this meeting:			
	Docket Number(s)	50-338 and 50-339		
	Plant/Facility Name	Nort	h Anna Power Station	
	TAC Number(s) (if available)	MB4643 and MB4644 Accession No. ML020840200 Discussion of the Framatome fuel transition program		
	Reference Meeting Notice			
	Purpose of Meeting (copy from meeting notice)			
		at North Anna Power Station.		
NAME OF PERSON WHO ISSUED MEETING NOTICE Stephen R. Monarque			ntle Project Manager	
OFFICE				
Office of Nuclear	r Reactor Regulation			
DIVISION				
Division of Licen	sing Project Management			
BRANCH				
Project Directors	ate II			
	form and attachments:			
Docket File/Centra PUBLIC	al File			

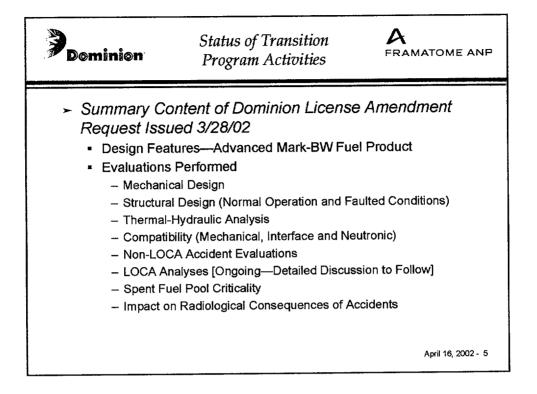


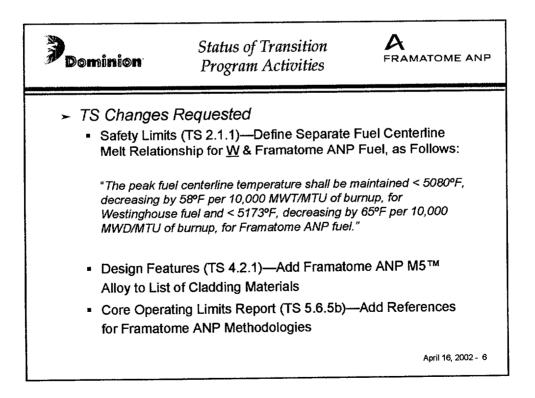


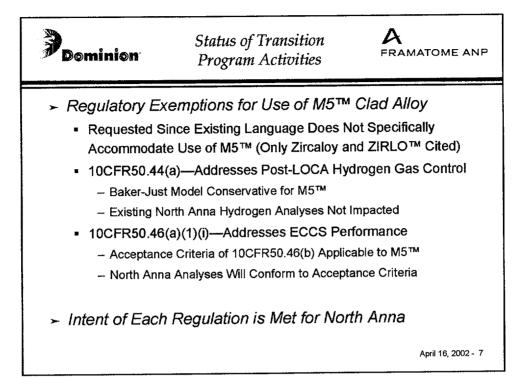


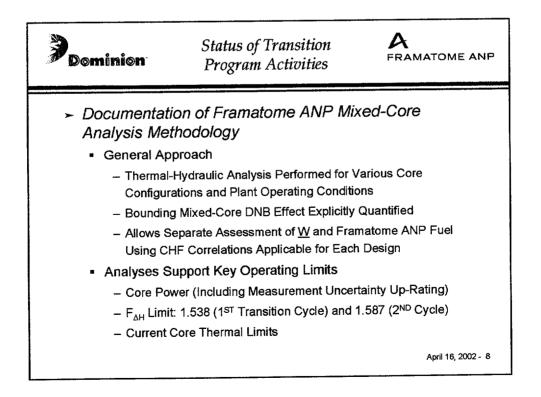
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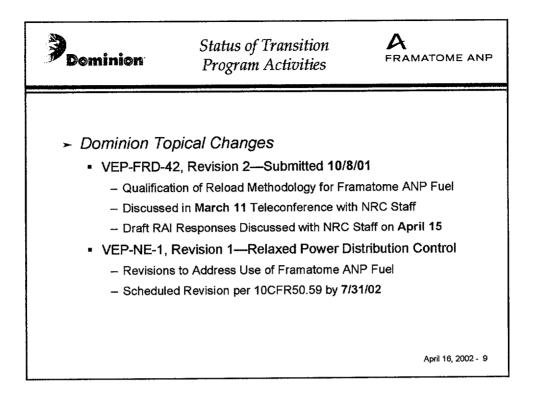


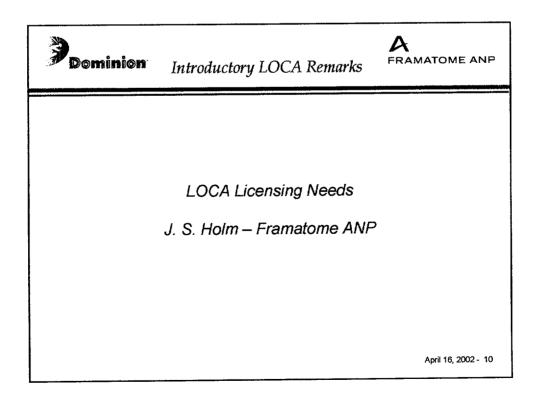


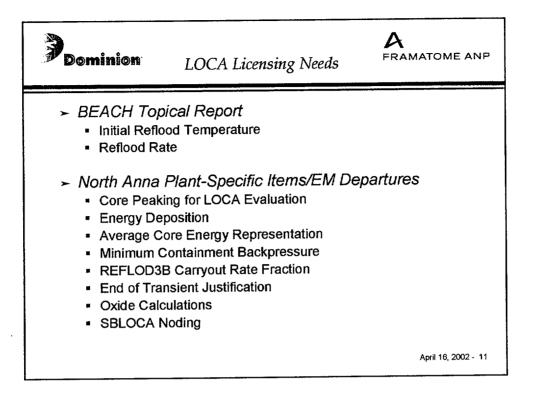




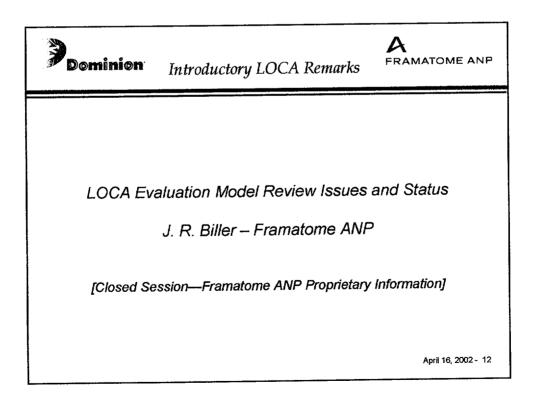


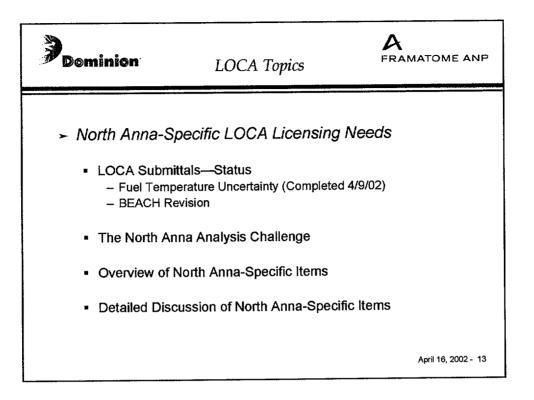


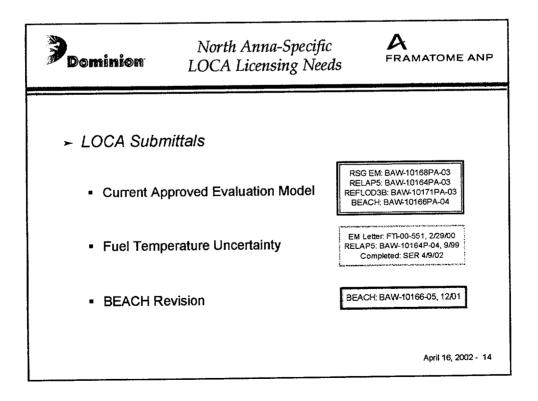


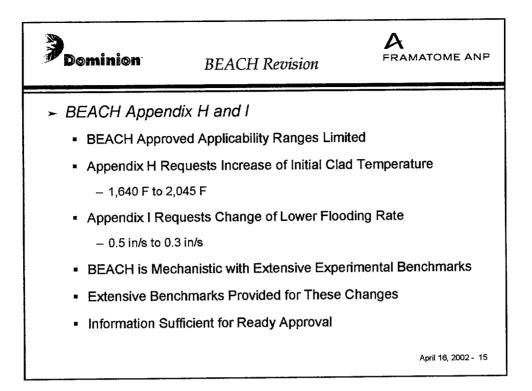


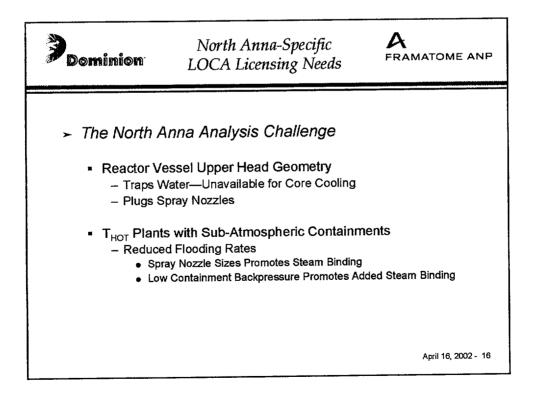
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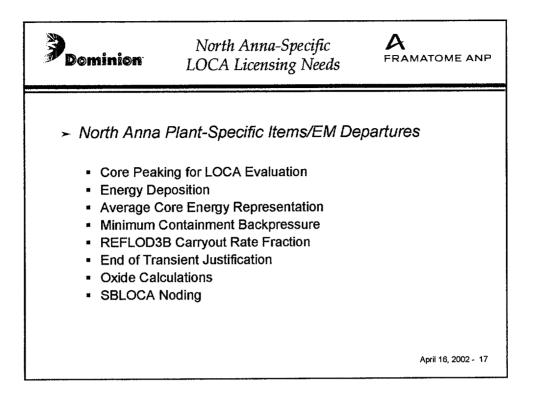


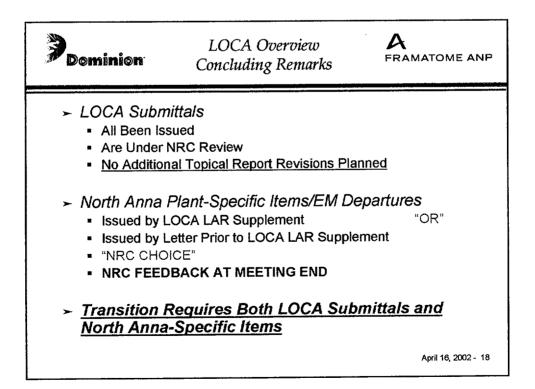


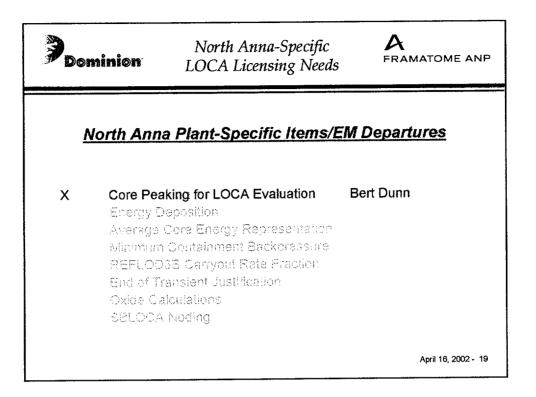


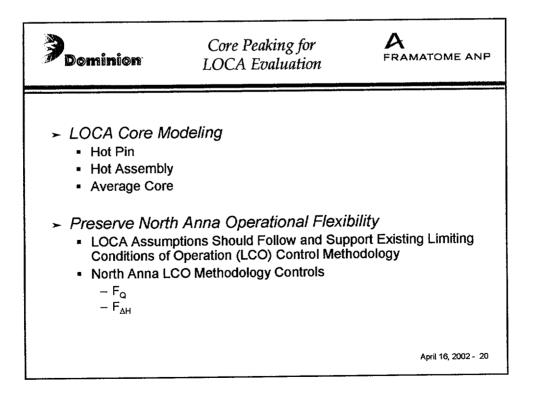


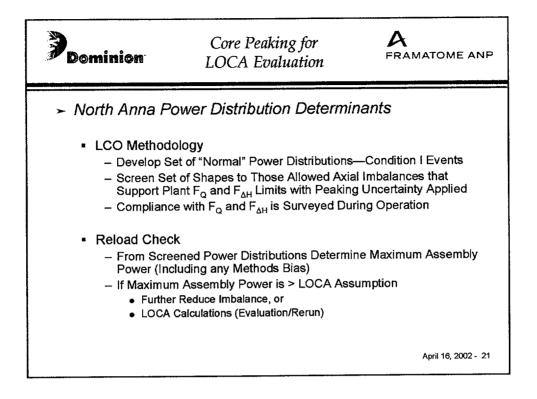


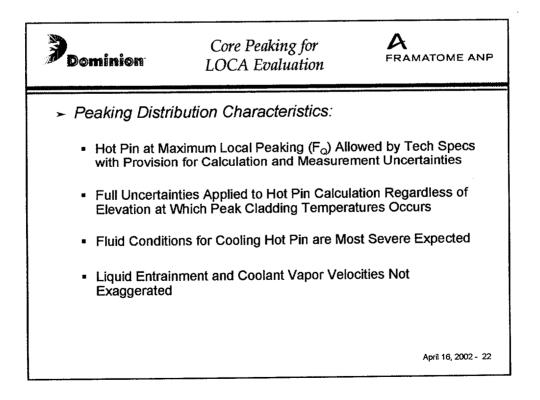




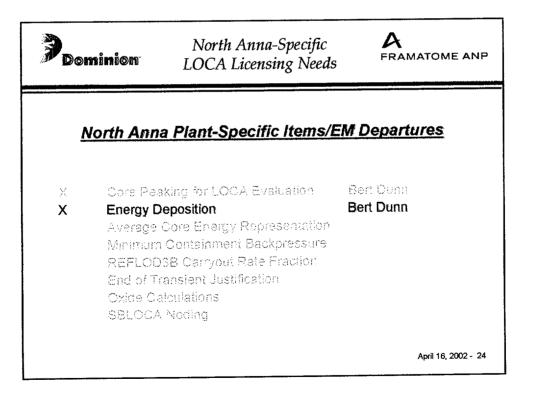


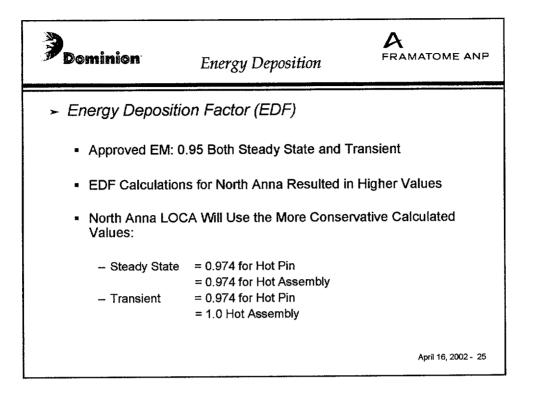


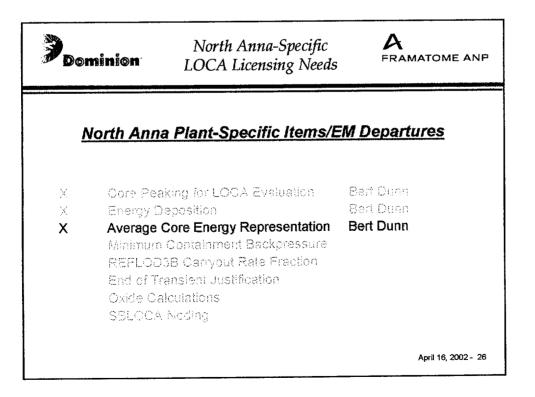


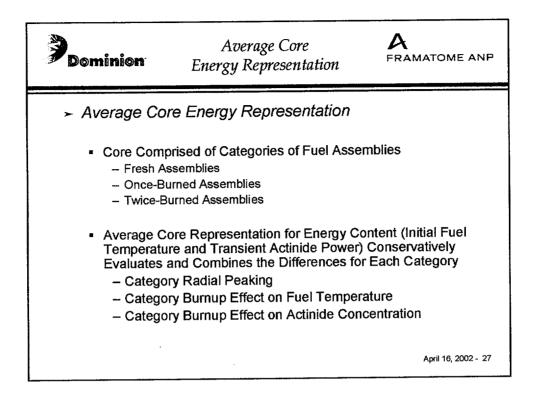


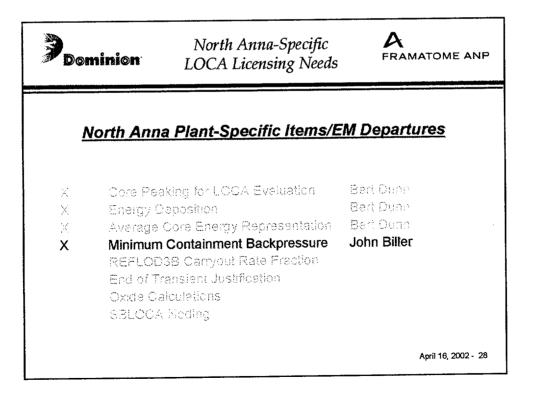
Dominion	Core Peaking for LOCA Evaluation	A FRAMATOME ANP			
➤ Peaking for North Anna Reload LOCA Calculations					
• F_{Q} , $F_{\Delta H}$, and Hot Assembly Radial Selected by Dominion					
 Peaking Results Hot Pin 		Value			
Radial	= F _{AH} (LCO)	1.60			
 Axial Hot Assembly 	= F_Q (LCO) / $F_{\Delta H}$	1.37			
Radial		1.45			
Axial Average Core	= Hot Pin Axial	1.37			
Radial		0.997			
● Axial	= Hot Pin Axial	1.37			
		April 16, 2002 - 23			

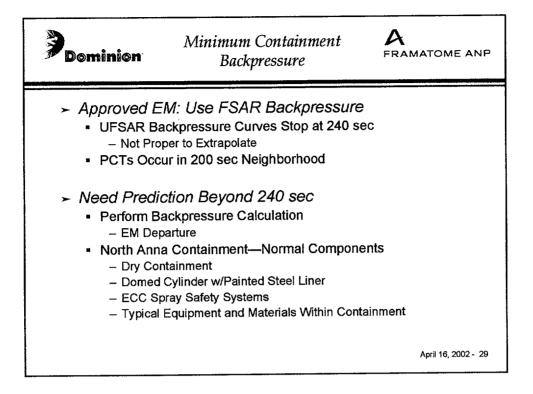


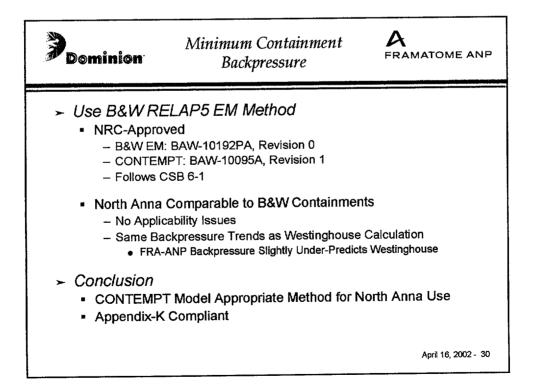


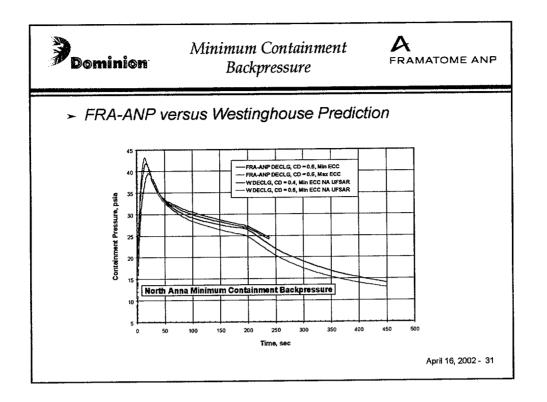




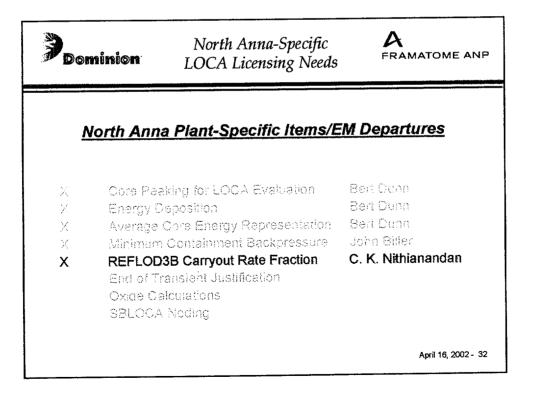


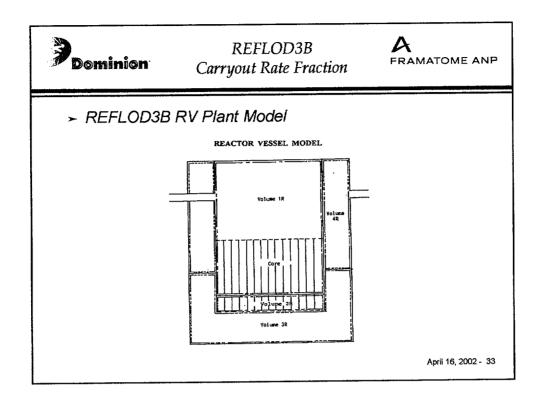


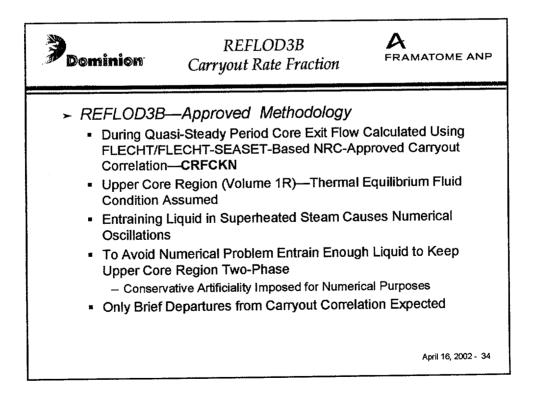


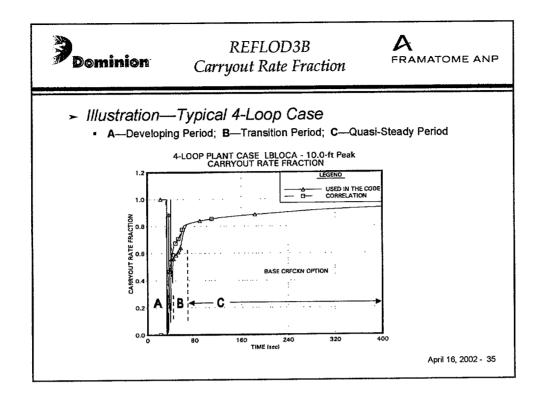


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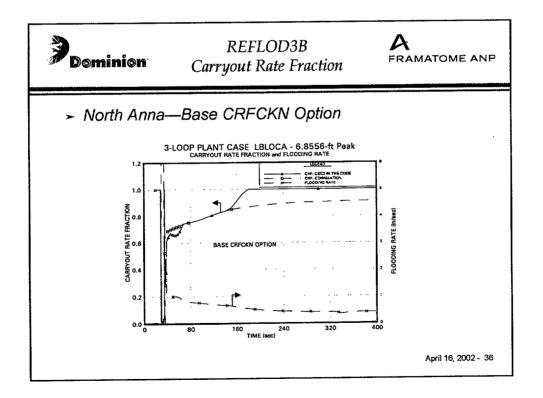


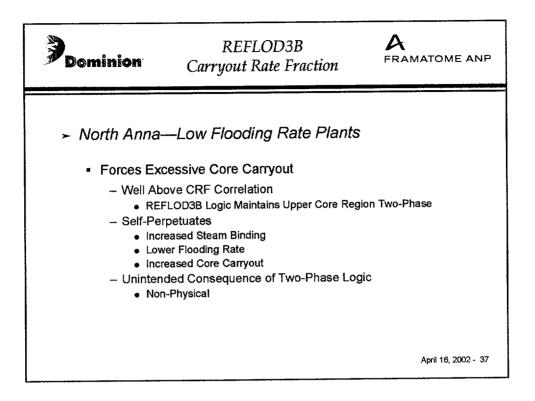


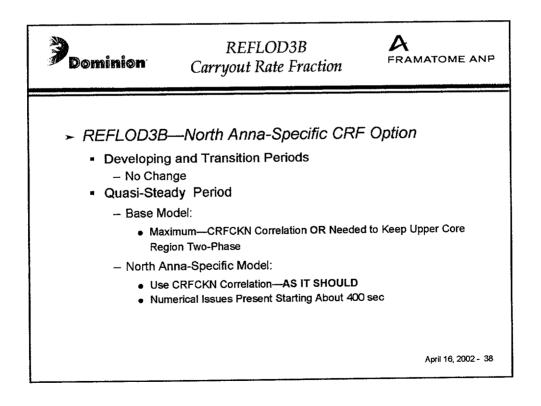


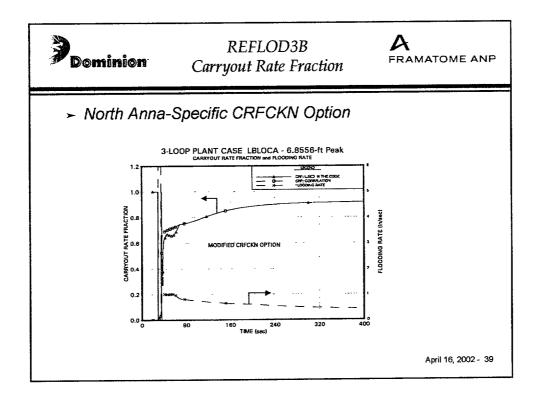


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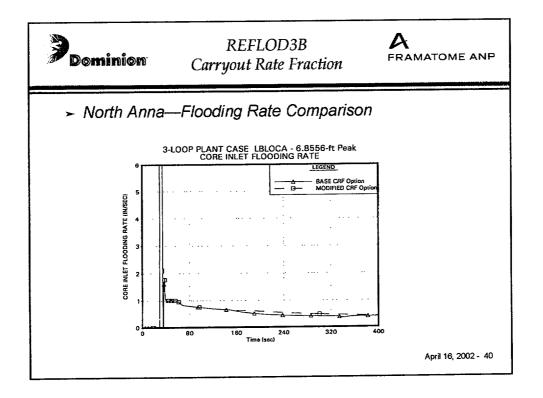


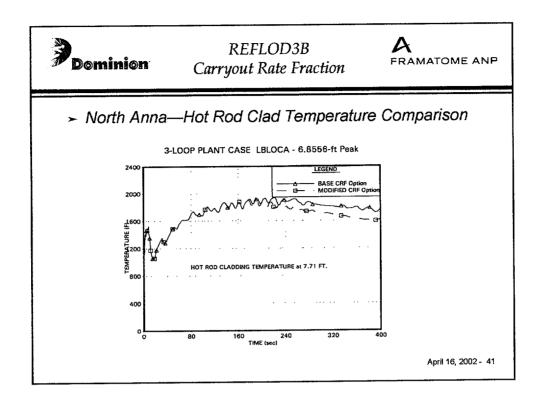


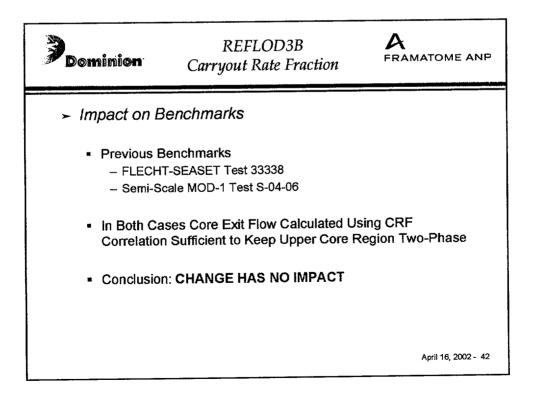


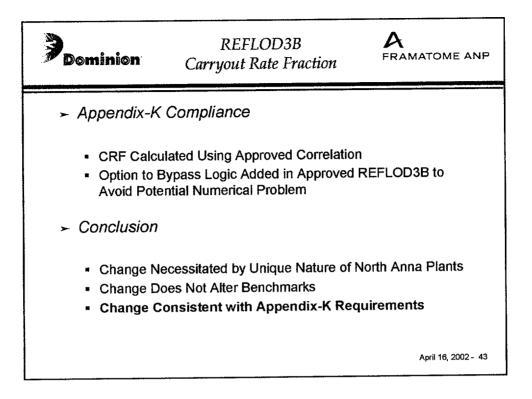


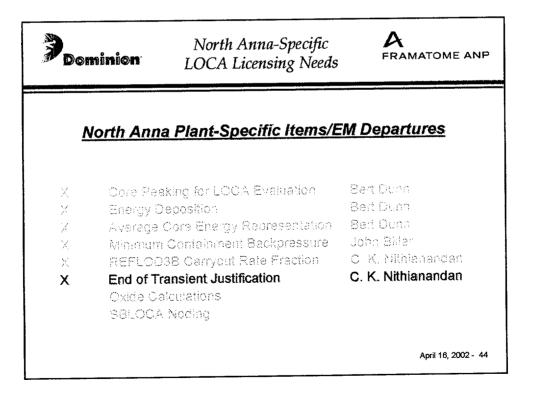
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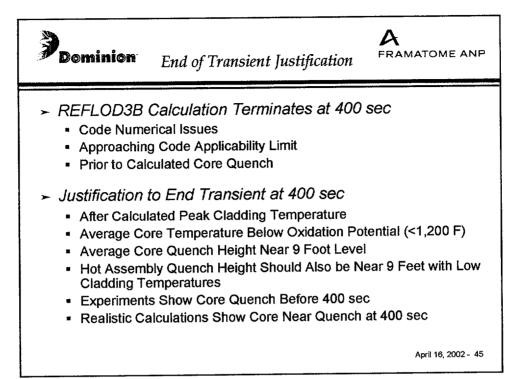


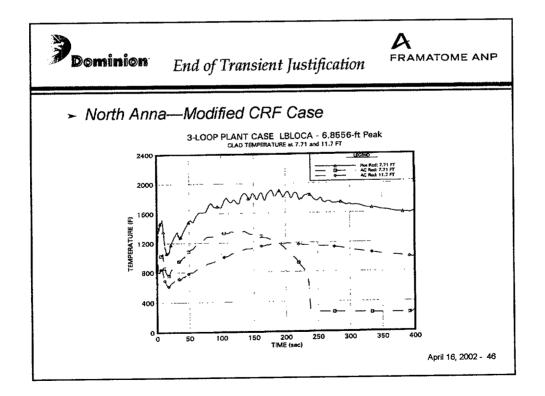


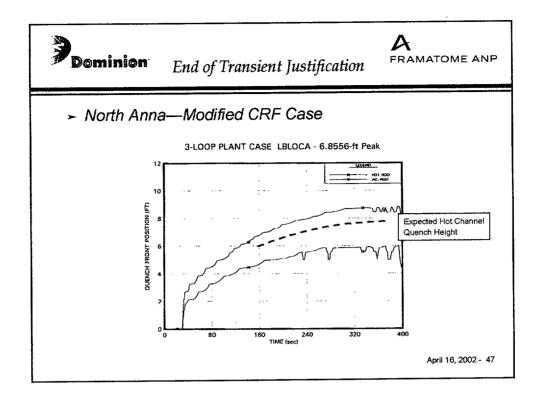






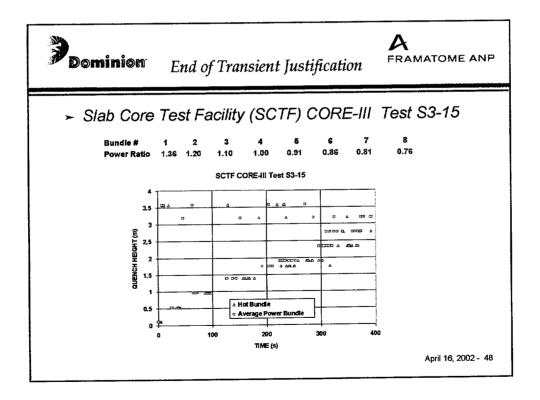


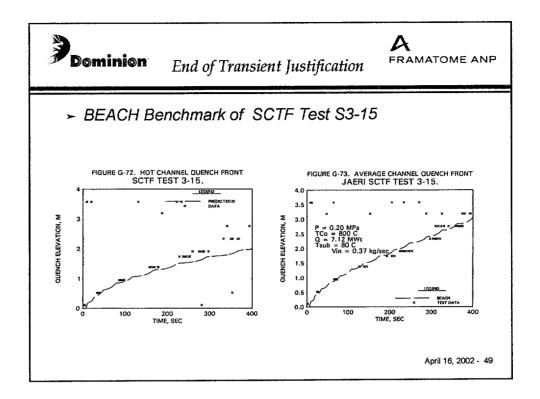


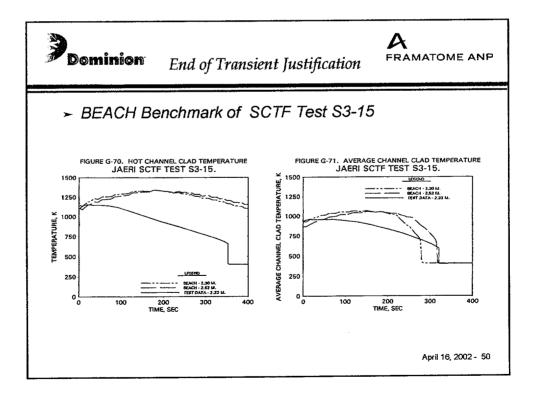


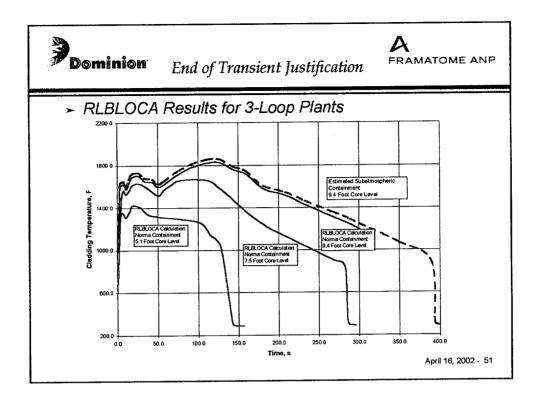
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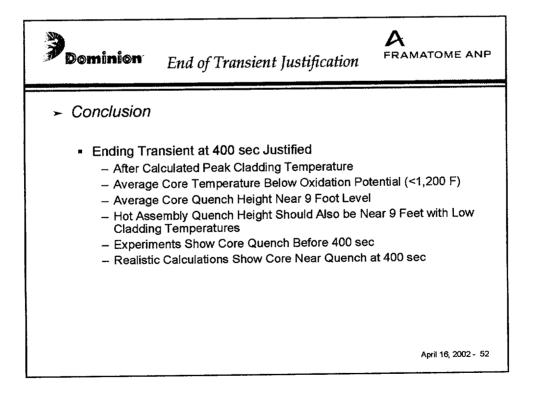
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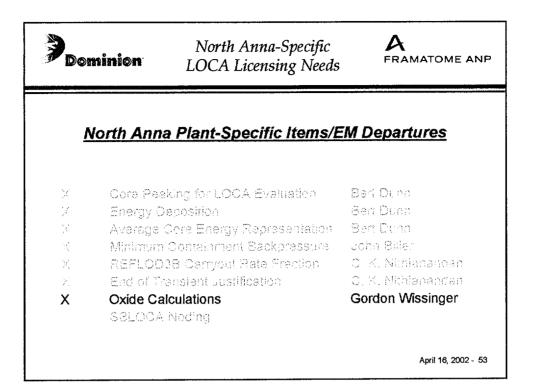


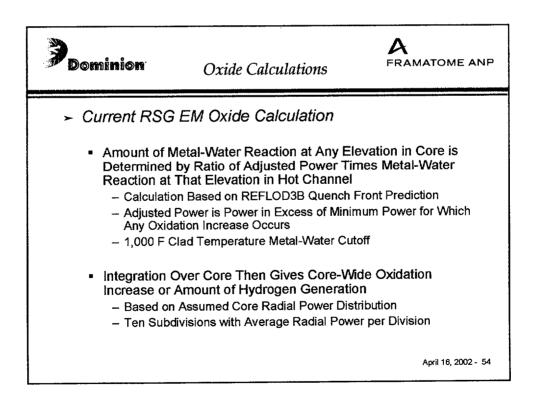


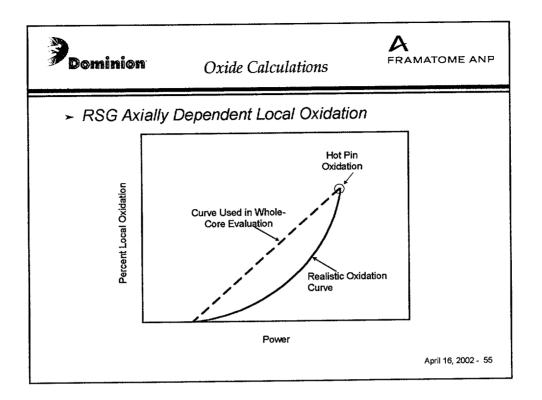


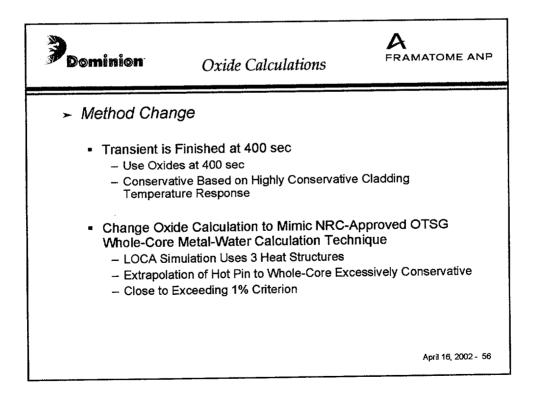


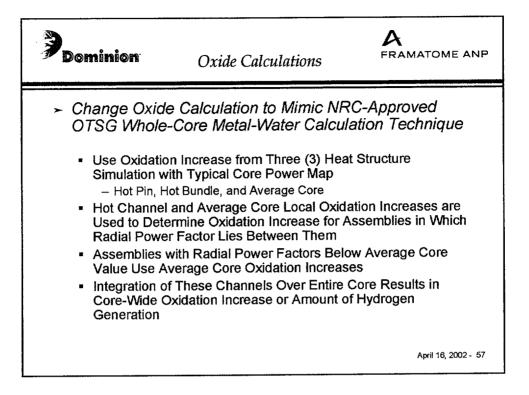


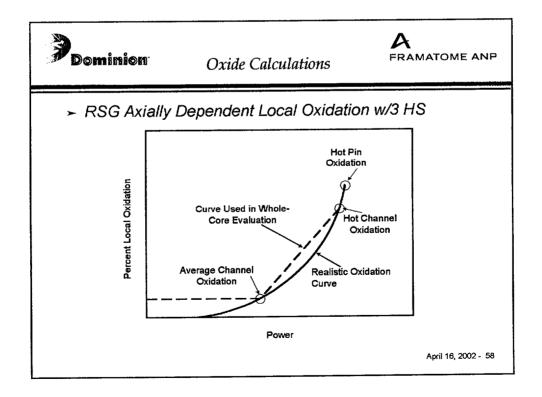


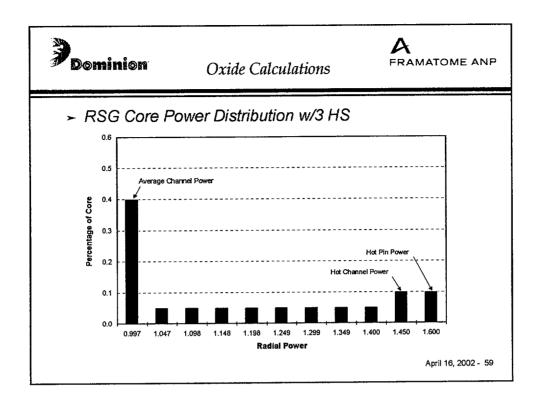


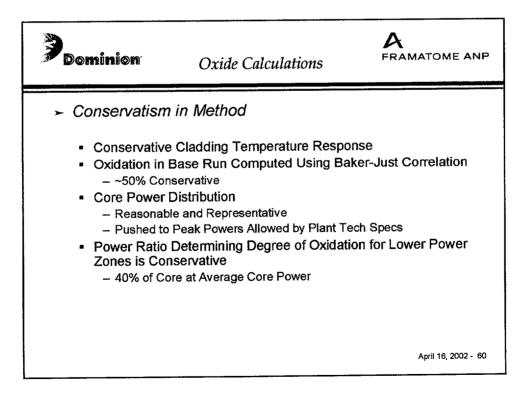


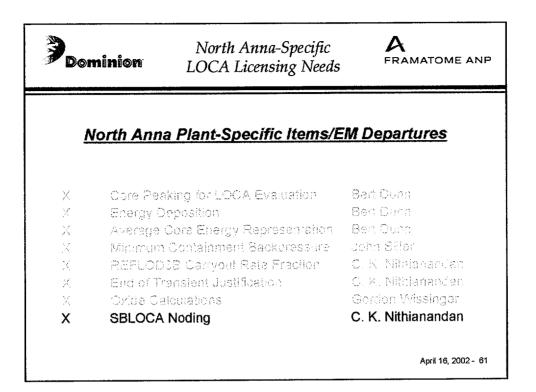


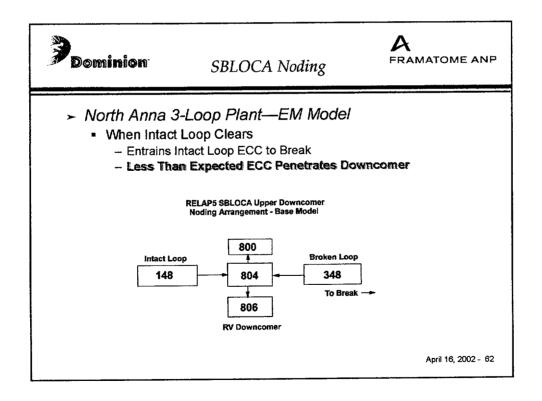


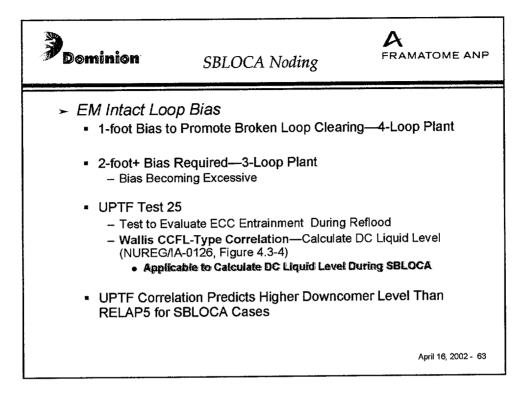


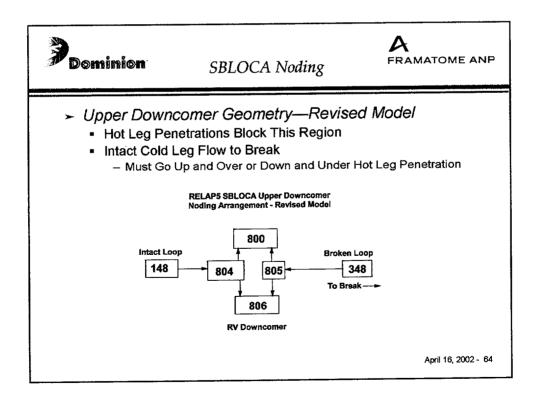


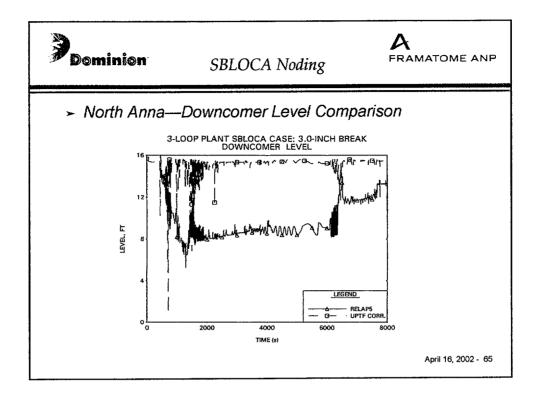


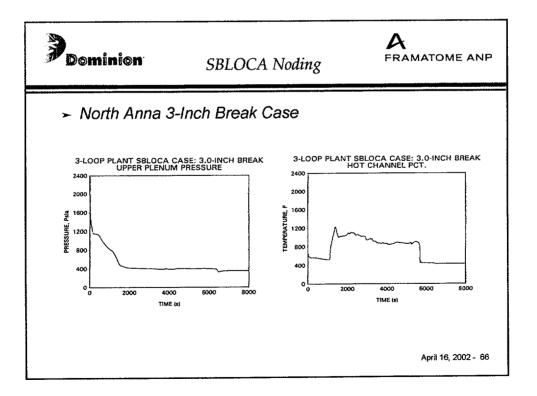


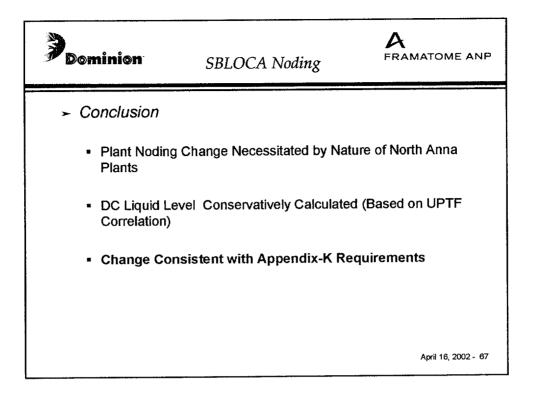


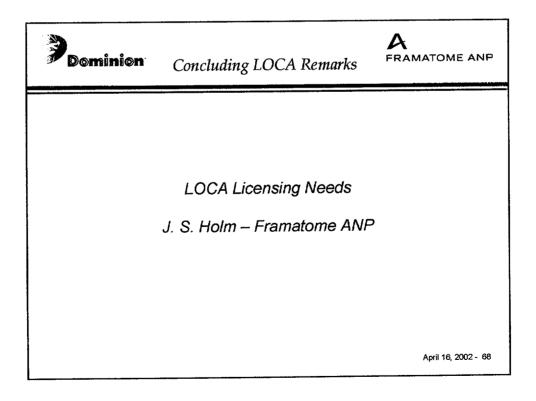


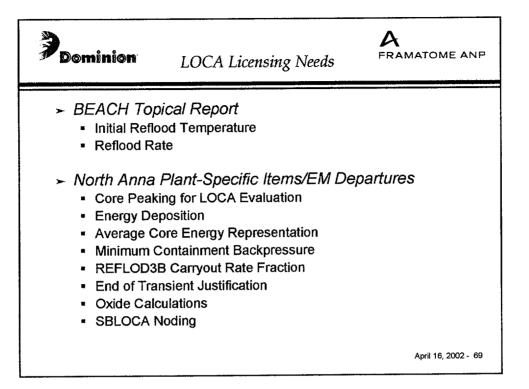


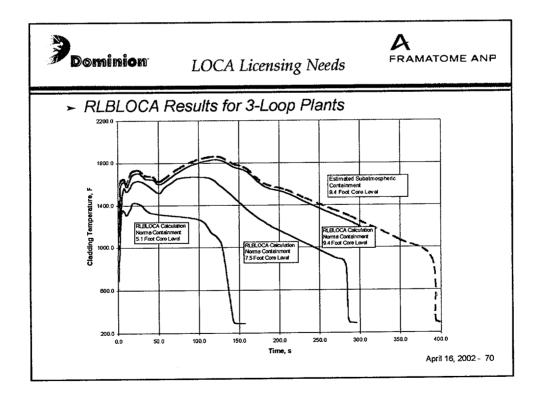


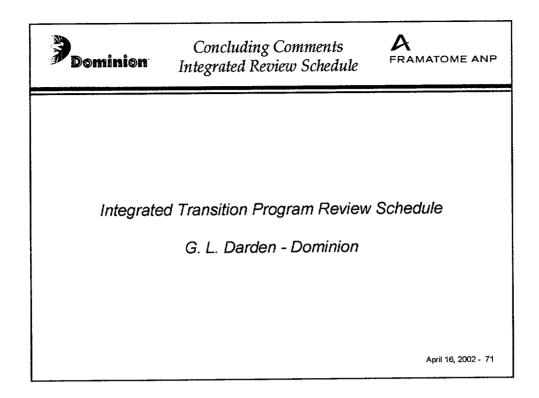


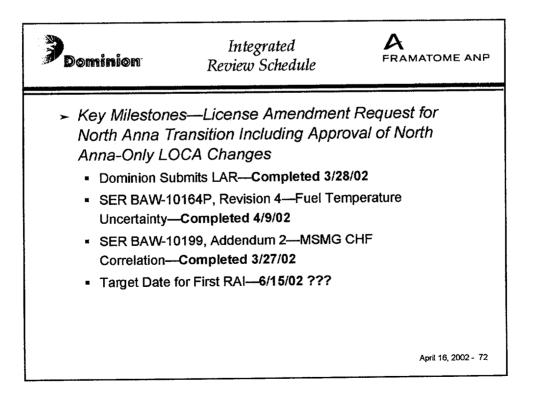


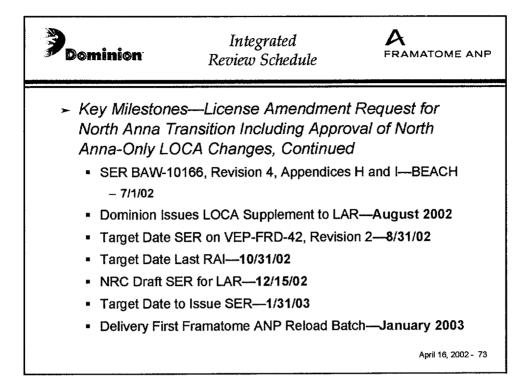












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Dominion	Summary Questions, Action Items,	RAMATOME ANP
	Summary Questions Action Items	
	G. L. Darden - Dominion	
		Apríl 16, 2002 - 74



TO:	James F. Mallay	
		20553A-8 (1/2002)
FROM	John R. Biller	CUSTOMER OR FILE:
SUBJ.	BEACH Topical Report Revision—BAW-10166, Revision 5 NRC Verbal Request for Information	DATE: April 3, 2002

Reference: Framatome ANP Letter, J. F. Mallay, to Document Control Desk, NRC, "Request for Review of Appendices H and I to BAW-10166," NRC:01:050, December 10, 2001.

On March 27, 2002, Messrs. Biller, Dunn, Klingenfus, Mallay and Nithian of Framatome ANP, Mr. Frank Orr of the NRC, and Mr. Len Ward, an NRC contractor, participated in a telephone call regarding the referenced submittal. During the call, Len Ward requested explanatory and reference materials relative to Framatome ANP's BEACH submittal. A partial response to Mr. Ward's requests follows.

Enlarged copies of figures I-15 and I-17 were requested; they are attached hereto. These two figures are actual copies of the original digitized test benchmarks, rather than just enlargements of the Appendix I figures. For ease of reference, these figures are labeled with the same Appendix I figure numbers. The third and fourth figures attached hereto are two different versions of Figure I-24. One with and one without shading within the envelope. The data points beneath the envelope should be visible in either figure.

Regarding the question on vapor temperature, void fraction, and droplet diameter, your attention is directed to the NRC-approved version of the BEACH topical Report—BAW-10166P-A, Revision 4, February 1996. Please note the materials responding to Question 14, page 5-43 and Figures 14-1 through 14-18 on pages 5-107 through 5-115. Chapter 5 of the report contains, in chronological order, all BEACH licensing materials or references thereto.

Relative to the quench front prediction for FLECHT Test 8037, Framatome ANP agrees that the benchmark of this test indicates an excessively quick decrease in cladding temperature. However, this test appears to be outside the norm in this regard. In the BEACH topical report, Question 1, the subjects of quench time and metal-water reaction were discussed; please refer to pages 5-291 through 5-302. Also note the Revision 4 SER and TER on pages 5-340 and 5-341, and 5-354 and 5-355, respectively, where the effects of the earlier higher temperatures and the cladding gap are credited as trading off against the slightly earlier BEACH quench prediction.

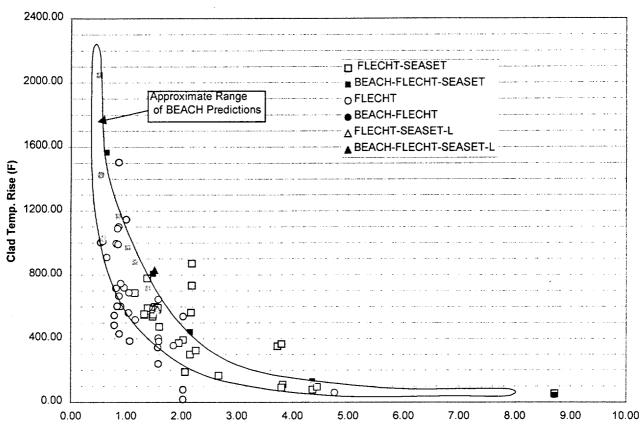


FIGURE 1-24. TEMPERATURE RISE VRS. FLOODING RATE TO ROD PEAK POWER RATIO

Vin/Q {(in/s)/(kW/ft)}

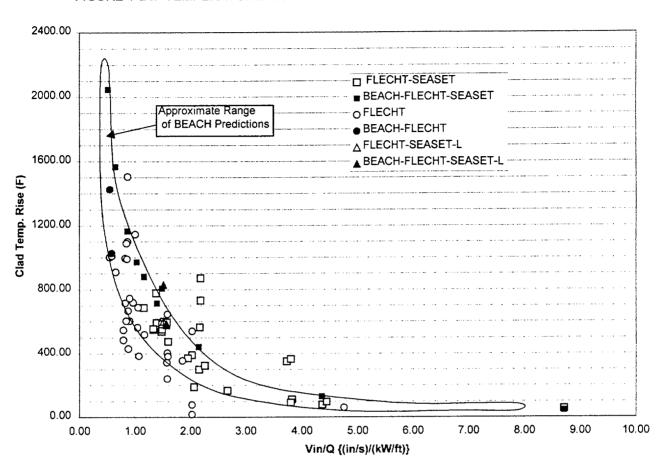
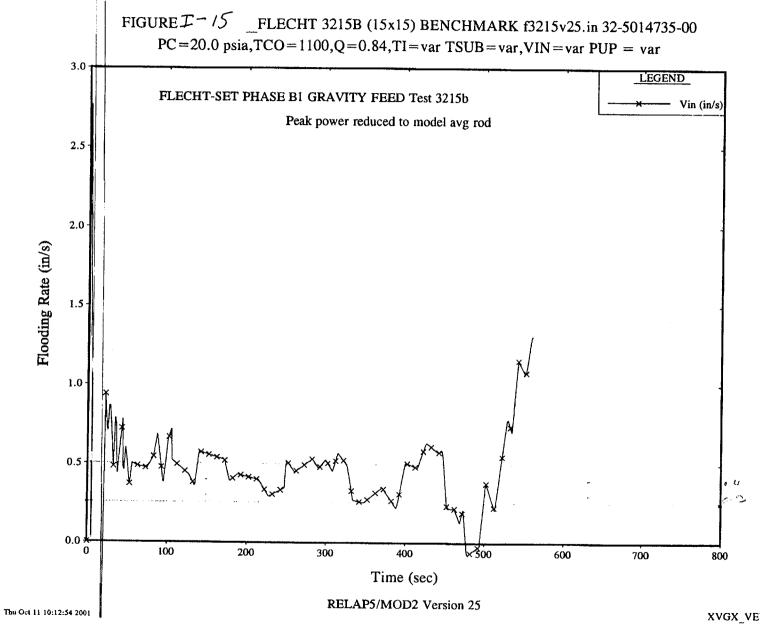
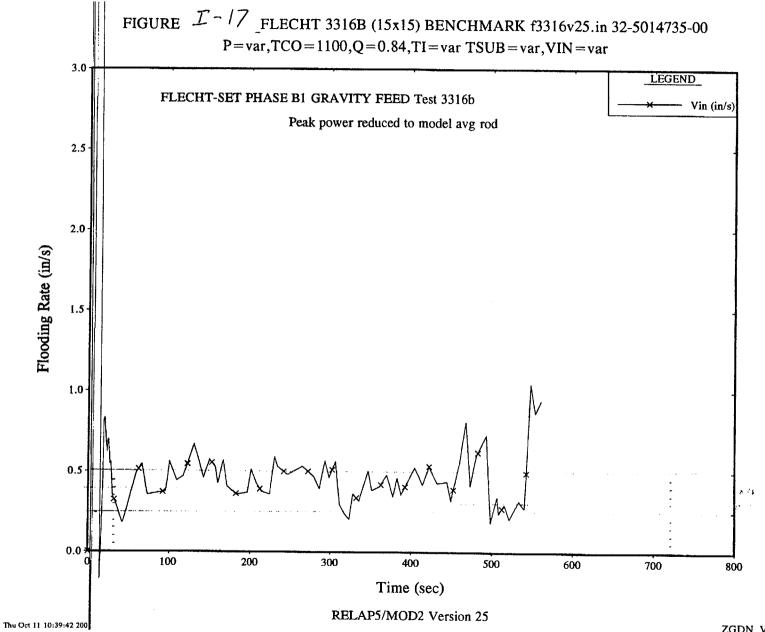


FIGURE 1-24. TEMPERATURE RISE VRS. FLOODING RATE TO ROD PEAK POWER RATIO



XVGX_VELFJ001



ZGDN_VELFJ001