## ATTENDANCE SHEET

Subject: Meeting to Discuss Butt Weld Inspection and Evaluation Guidelines ---

category 2 meeting

Organization: NRC/NEI/PUBLIC INTERESTED GROUPS

DATE: 08/04/05

NAME (print)	Telephone	Organization Affiliation
David Diec	301-415-2834	NRR/DRIP/RPRP
Bill Bateman	301415-2795	
TBRENCE CHAN	301.415-2768	NRR/DE/Encz
Ted Sulliv on	301-415-2796	NAN/DE/EMCB
DANA COVILL	9195462631	PROGRESS ENERGY - MRP
Jim RILEY	202-739-8137	thr@hei.org
KEITH WICHMAN	3014152785	NEP OF EMCB
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## ATTENDANCE--CONTINUED

Subject: Meeting to Discuss Butt Weld Inspection and Evaluation Guidelines — category 2 meeting

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#### DATE: 08/04/05

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Telephone	Organization Affiliation
7297226021	WESTINGHOUSE
254-897-6705	- TXU Power
205.992,5302	Sevinizial Co.
204.547.6125	EPRI
804-273-2602	Dom Grange fion.
724-722-6049	Westinghome
301-228-6401	Bechtel/SERGHLicensing
202 383-2164	McGran-Hill
301-415-2702	NRC/NRRIDE/EMCB
301-415-2501	NRC/NRRIDE/ FMCB
704415-1944	NRC INRR IDE /EMCB
301-415-2776	NRC/NRR/DE/EMCB
<b>G</b> -301-415-4038	NRC/EMCR
301 415 7270	NRC/ALRS
301-415-1077	NRCINER DSSAISPSD
301-415-7510	RES/DET/MEB
301-415-2706	NRR / DE / EMCB
301-415-1761	NRL/DE/EMCB
240-626-9556	LIS Scienter
301-415-3298	NRR/D5
·	
	7247226021 254-897-6705 408-978-8200 305.92,5502 204.542,125 804.273-2602 724-722-6049 301-228-6401 202363-2164 301-415-2702 301-415-2702 301-415-2776 4-301-415-2776 4-301-415-2776 4-301-415-2776 4-301-415-2776 4-301-415-2776 301-415-2776 301-415-2776 301-415-2776 301-415-2776 301-415-2776 301-415-2776 301-415-2776 301-415-2776 301-415-276 301-415-276

## ATTENDANCE--CONTINUED

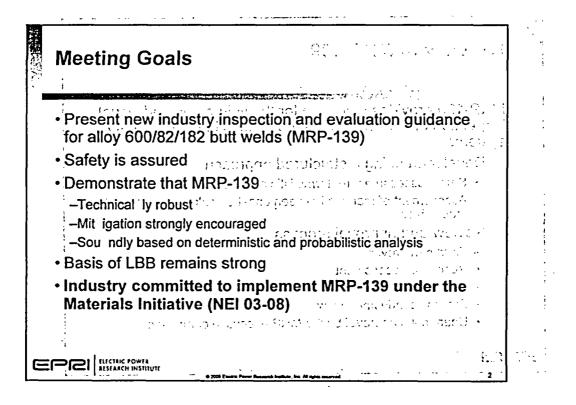
Subject: Meeting to Discuss Butt Weld Inspection and Evaluation Guidelines — category 2 meeting

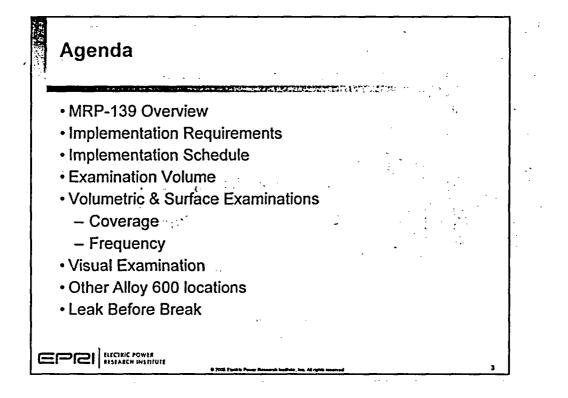
DATE: 08/04/05

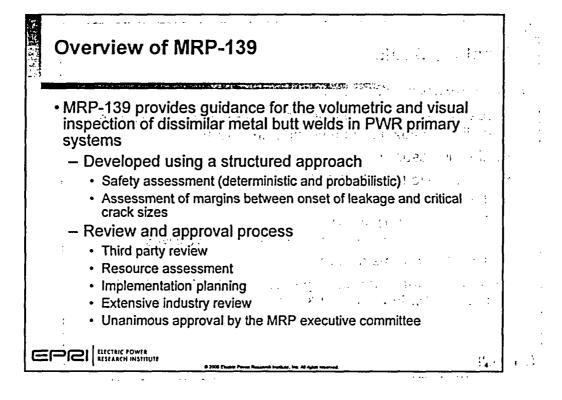
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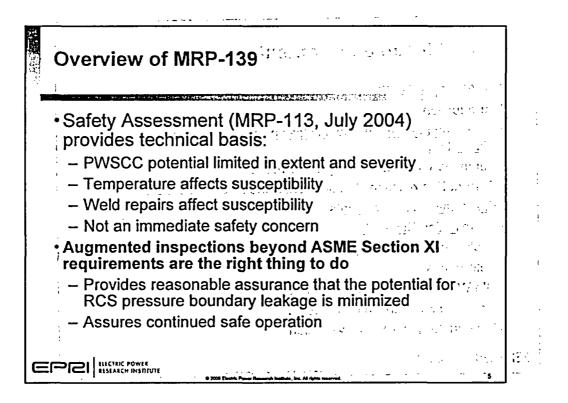
Telephone	Organization Affiliation
715 377 2477	Nuclear Myt Co,
804 273 2101	Dominion
650-855-2028	EPRI
434 - 832 - 23 04	AREVA
508497 5045	EPRI
410 495.4850	CONSTRUMION ENERGY
4108975139	CONSTELLATION ENERGY
479-858-4378	Entergy
860-731.1000	WestryLouse
650-855 20	9 EPRI
205-992-7721	Southern Nuclear
ZOZ, 739.808D	NET
202955-5610	JAPC
301-415-6177	NRC/RES/DET/MEB
	715 377 2477 804 273 2101 650-855-2028 434 - 832 - 2304 508 497 5045 410 995 4850 410 897 5139 479-858-4378 860-731.1005 650-855 20 205-992-7721 202,739.8080 202955-56/0

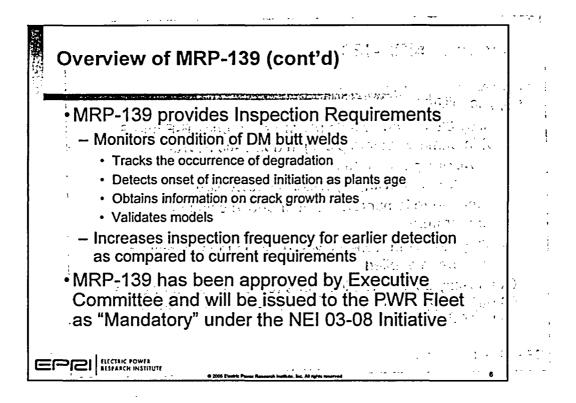
Materials Reliability Program: Butt Weld I&E Guidelines and Leak Before Break Report	
Dana Covill Co-Chairman, Alloy 600 ITG Progress Energy	
August 4, 2005 NRC Meeting	



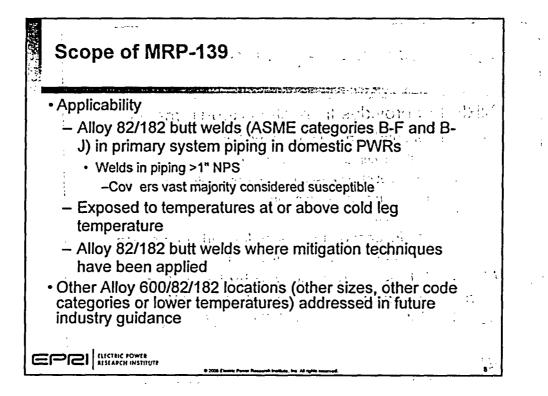


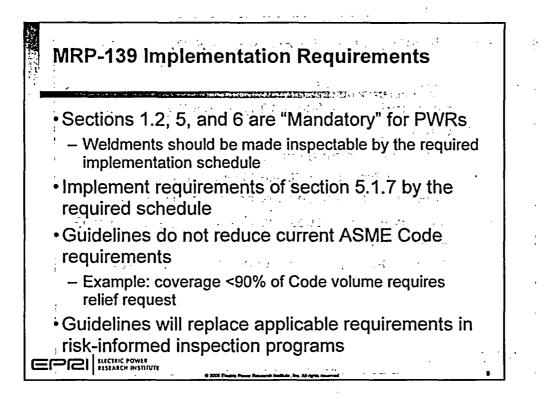


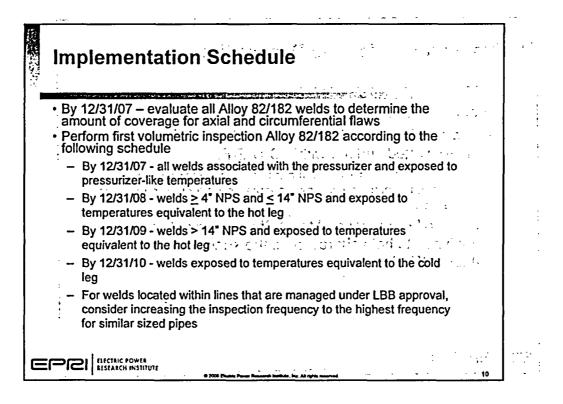


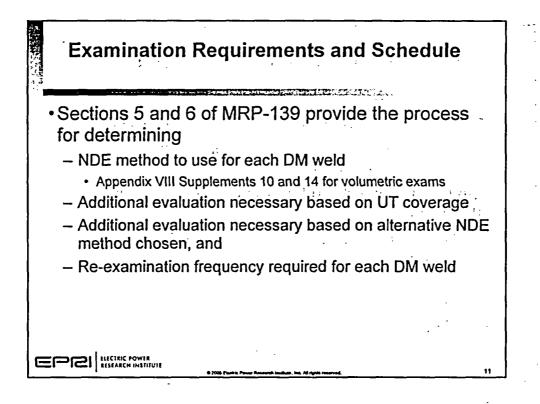


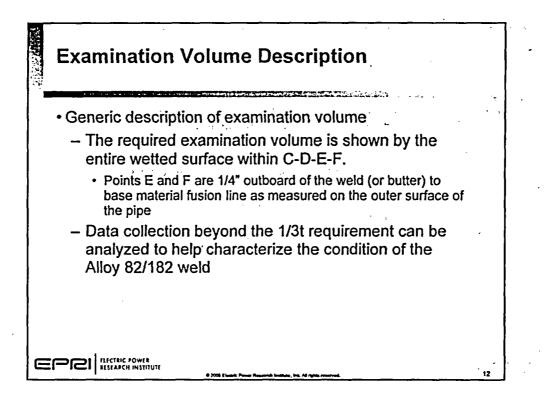
	MRP-139 Table of Contents	·· ··	
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	4 Current Examination Requirements And Results To Date		
	5 Examination Requirements	,	
	6 Examination Schedules	• 1	:
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	8 References	·	
	A DM Weld Measurement Template		:
	B DM Weld Mockup Criteria 5/28/04		
	C Methodology For Flaw Evaluation	1	
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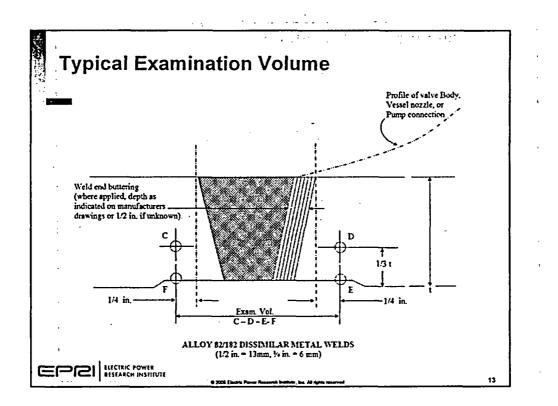


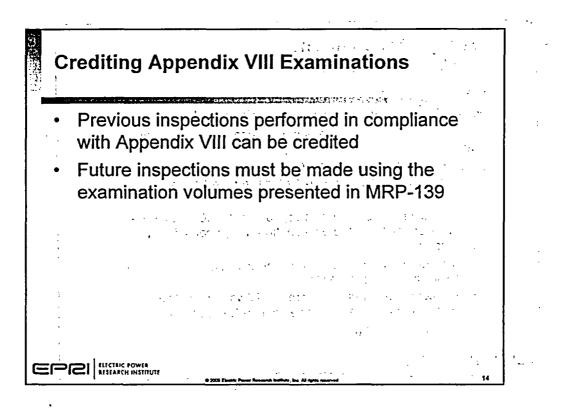


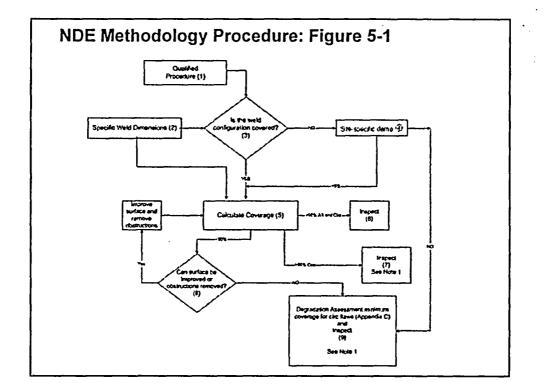


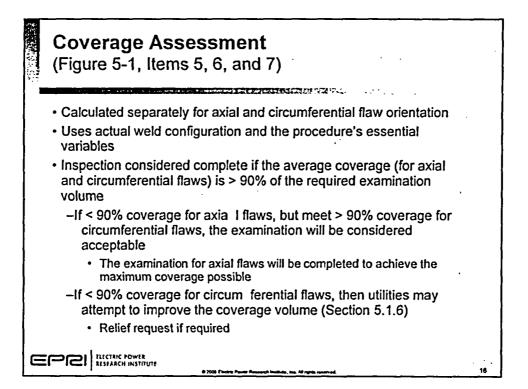


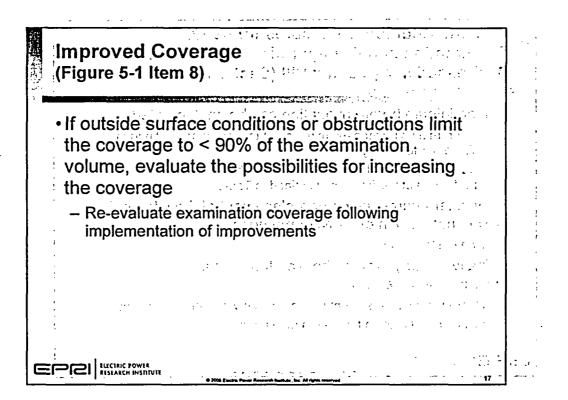


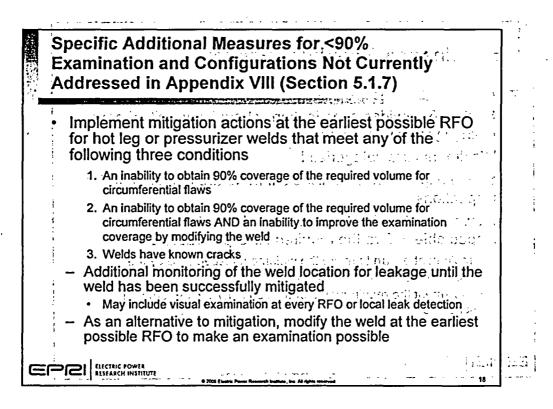














# Specific Additional Measures for <90% Examination and Configurations Not Currently Addressed in Appendix VIII (Section 5.1.7)

• In the interim before mitigation can be implemented,

-Perfor m a volumetric examination at the frequency defined in Table 6-1 for Category D or E

-Add itionally, visual examinations of the bare metal shall be performed at the frequency defined in Table 6-2

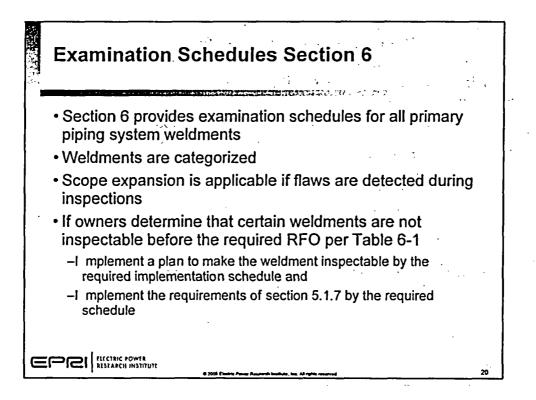
• Consider augmentation or replacement of the ultrasonic examination with other NDE methods

-Demonstrate capabi lity

• Finally, for any area of the pipe that remains unexamined, perform

-Degrad ation assessment in accordance with Appendix C and

-Includ e justification for interim measures



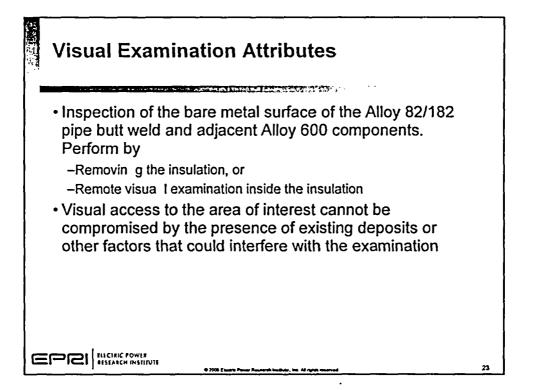
PWSCC Category	Description of Weldments	Inspected? Cracked?	Inspection Extent and Schedule
A	Resistant Materials		Existing Code Inspection Program
B	Non-resistant Mat. Reinforced by full structural weld Overlay	Yes Uncracked	Existing Code Inspection Program
C	Non-Resistant Mat. Mitigated by SI	Yes Uncracked	50% of each mitigation within next 6 years, if no indication continue with existing Code Inspection Program
D	Non-resistant Mat. No SI Pressurizer and Hot Leg ≥4*	- 730 pr 1. 1.7 1.	100% per period, but no longer than 5 years between exams for pressurizer locations (include surge line nozzle welds near pressurizer) 100% every 5 years for hot leg locations (include surge line nozzle welds near ho leg)
E	Non-resistant Mat. No SI Cold Leg		100% every 6 years

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PWSCC Category	Description of Weldments	Inspected? Cracked?	Inspection Extent and Schedule
F	Non-resistant Mat. Cracked Reinforced by full structural weld overlay	Yes Cracked	Once in the next 5 years, if no additional indications/growth continue with existing Code Inspection Program for unflawed condition
G	Non-resistant Mat. Cracked Mitigated by SI	Yes Cracked	100% at 2 RFO intervals. If no additional Indications/growth after the 2nd examination (4th RFO), continue with existing Code examination program for unflawed condition
H	Non-resistant Mat. Pressurizer and Hot Leg Examination does not meet requirements of Figure 5-1 Item 6 Configuration not addressed in Appendix VIII	- No 	Frequency defined in Table 6-1 for Category D to the extent possible. Additional Interim requirements as defined in Section 5.1.7.
	Non-resistant Mat. Cold Leg Examination does not meet requirements of Figure 5-1 Item 6 Configuration not addressed	No -	Frequency defined in Table 6-1 for Category E to the extent possible. Additional interim requirements as defined in Section 5.1.7.



	al Examination	Requirements
PWSCC Category	Description of Weldments	Examination Extent and Schedule
J	Non-resistant Mat Pressurizer and Hot Leg	In the outages when volumetric examinations are not being performed, visual examination every RFO as defined in section 5.2.1 or until mitigated or replaced
ĸ	Non-resistant Mat Cold Leg	Visual examination as defined in section 5.2.1 at least once every three (3) RFOs (not counting RFOs when weld is examined volumetrically as one of the three) or until mitigated or replaced. Alternatively, for the RV cold leg, or inlet nozzles ONLY, use deterministic analysis as a basis to allow these nozzle welds to be visually examined once per interval. This option can only be exercised AFTER welds have been UT-examined and fully meet the conditions for being defined as Category E.
		In RFOs where a UT is performed from the OD, a visual examination is credited. If the UT is performed from the ID, a visual examination may be credited if the 90% examination volume identified in section 5.1.5 was obtained.
	ECTRIC POWER STAPCH INSTITUTE	

