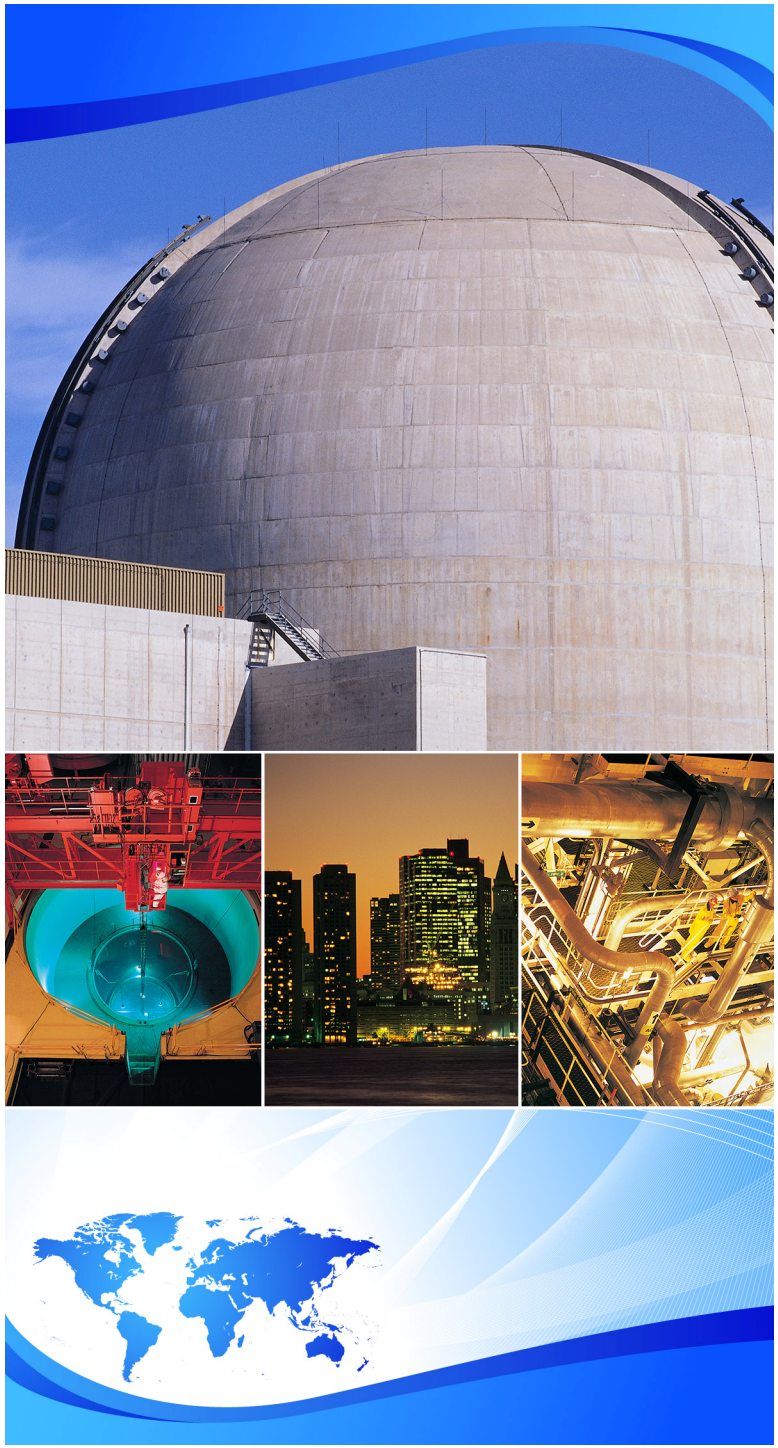

ELECTRIC POWER RESEARCH INSTITUTE

PDI RPV UPDATE

December 2009

SHERRIE L. WHIDDON
SR. PROJECT MANAGER PDI
REACTOR PRESSURE VESSEL

PDI RPV STATUS

- What we have been doing for – 2009
  - 2009 Schedule Work Load
  - Other RPV Activities

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RPV QUALIFICATION ACTIVITIES COMPLETED

- IHISWT Automated ID Phased Array Procedure Qualification Plate
- GE Nozzle Personnel Qualification
- Areva (USA) Manual Generic Procedure 12.29” Plate Extension
- Areva (USA) Bolting Qualification
- Taiwan Power Manual Plate Personnel Qualification
- Duke Manual Plate Phased Array
- SAE-AN (Korea) ID Phased Array Plate Analysis Qualification
- IHISWT Automated ID Phased Array Procedure Qualification Plate
- Wesdyne Automated ID CRDM Upper Head Penetration Procedure Qualification
- Dominion Bolting Manual Personnel Qualification

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2009 SCHEDULED WORK LOAD
RPV QUALIFICATION ACTIVITES

January	February	March	April
AUTO/PLATE ID (IHISWT) MANUAL/PLATE EXTENSION(AREVA) MANUAL NOZZLE (GE)	MANUAL NOZZLE (GE) CONTINUED MANUAL/PLATE EXTENSION(AREVA) CONTINUED BOLTING QUAL. (AREVA) AUTO/PLATE ID (IHISWT) CONTINUED	MANUAL/PLATE EXTENSION (AREVA) CONTINUED AUTO/PLATE ID (IHISWT) CONTINUED AUTO/ANAYLSIS ID PHASED ARRAY (SAE-AN KOREA)	AUTO/PLATE ID (IHISWT) AUTO/ANAYLSIS ID PHASED ARRAY (SAE-AN KOREA)
May	**June**	**July**	**August**
SUPPORT ID DM NOZZLE QUAL (IHISWT) DEVELOPMENT GEN. MANUAL PHASED ARRAY DETECTION AND SIZING PLATE (NEW EQUIP.) GEN. MANUAL PHASED ARRAY PLATE GUIDED PRACTICE	MANUAL PLATE AND NOZZLE DEMONSTRATION (TAIWAN) DEVELOPMENT GENERIC MANUAL PHASED ARRAY DETECTION AND SIZING PLATE (NEW EQUIP.) TIWAN POWER MANUAL PLATE	MANUAL PHASED ARRY PLATE (DUKE) AUTO/PLATE ANAYLSIS WESDYNE SUPPORT AUTO CRDM PD QUAL. (WESDYNE)	SUPPORT AUTO CRDM PD QUAL. (WESDYNE) SUPPORT AUTO CRDM PD QUAL. (AREVA) DEVELOPMENT GENERIC MANUAL PHASED ARRAY DETECTION AND SIZING PLATE (NEW EQUIP.)
September	**October**	**November**	**December**
SUPPORT AUTO CRDM PD QUAL. (WESDYNE) DEVELOPMENT GENERIC MANUAL PHASED ARRAY DETECTION AND SIZING PLATE (NEW EQUIP.)	COMPLETE DEVELOPMENT GENERIC MANUAL PHASED ARRAY DETECTION AND SIZING PLATE (NEW EQUIP.) SUPPORT AUTO CRDM PD QUAL. (WESDYNE)	AUTO ID PLATE QUALIFICATION (AREVA GERMANY) SUPPORT AUTO CRDM PD QUAL. (AREVA) INECTEC AUTO ID PLATE QUALIFICATION	GE MANUAL PLATE PERSONNEL INECTEC AUTO ID PLATE QUALIFICATION

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2009 Schedule Work Load
RPV Qualification Activities

- RPV Demonstrations have been steady.
- Started CRDM/CEDM PD Qualifications (Upper Head Penetration)

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RPV Qualification Activities Scheduled for the remainder of the Year

- Areva Automated ID CRDM Upper Head Penetration Procedure Qualification
- Inetec (Croatia) Auto ID Plate Procedure Detection and Sizing
- GE Manual Plate Personnel Qualification

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RPV and Upper Head Penetration Qualification Activities Scheduled for 2010

- Inetec (Croatia) Auto ID Plate Procedure Detection and Sizing (Continued)
- Areva Automated ID CRDM Upper Head Penetration Procedure Qualification (Continued)
- Inetec (Croatia) Auto ID Nozzle Procedure Detection and Sizing
- Tecnatom Automated ID CRDM Upper Head Penetration Procedure Qualification
- Ginna BMI Technique validation study (Special for Ginna's BMI's only.)

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RPV Activities 2010

- Continue to Support Generic Procedure Development Phased Array Nozzle (New Equipment) Qualification Detection, Length and TWE Sizing

- RPV/CRDM completely full schedule thru June 2010

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