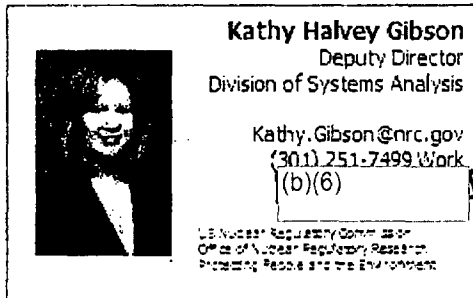**From:** Gibson, Kathy – RES
Sent: Friday, June 18, 2010 4:32 PM
To: Nosek, Andrew
Cc: Yerokun, Jimi; Uhle, Jennifer
Subject: FW: SOARCA mitigation measures table
Attachments: SOARCA mitigation measures table.doc; Kathy Halvey Gibson.vcf; image001.jpg

Attached is the mitigation table that I mentioned in a previous email. Not sure if you will find this helpful or add confusion...

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U.S. Nuclear Regulatory Commission
Office of Nuclear Regulatory Research
Protecting People and the Environment

From: Schaperow, Jason
Sent: Tuesday, September 01, 2009 4:28 PM
To: Uhle, Jennifer
Cc: Gibson, Kathy; Tinkler, Charles
Subject: SOARCA mitigation measures table

Attached is the SOARCA mitigation measures table you requested.

Peach Bottom	Mitigated		Unmitigated			Prob of preventing CD
	EOP/SAMG	B.5.b	EOP/SAMG	B.5.b	Time to CD (hr)	
LTSBO (0.3 to 0.5g seismic event)	Operator opens SRV & controls RCIC (during battery life)	1. Manual RCIC operation 2. Portable diesel-driven pump (alternative, not needed)	Operator opens SRV & controls RCIC (during battery life – then fails)	None	10	>0.95
STSBO (0.5 to 1.0g seismic event)	None	1. Manual RCIC operation 2. Portable diesel-driven pump (alternative, not needed)	None	None	1	0.9

Surry	Mitigated		Unmitigated			Prob of preventing CD
	EOP/SAMG	B.5.b	EOP/SAMG	B.5.b	Time to CD (hr)	
LTSBO (0.3 to 0.5g seismic event)	Operator controls TD-AFW & initiates secondary cooldown (during battery life)	1. Manual TD-AFW operation and primary injection with high-head portable diesel-driven pump 2. Low head portable diesel-driven pump (alternative, not needed)	Operator controls TD-AFW & initiates secondary cooldown (during battery life – then fails)	None	16	>0.95
STSBO (0.5 to 1.0g seismic event)	None	Containment spray using low-head portable diesel-driven pump	None	None	3	0.5
STSBO with thermally induced SGTR (0.5 to 1.0g seismic event)	None	Containment spray using low-head portable diesel-driven pump	None	None	3	0.5
ISLOCA	Operator throttles HHSI flow, controls AFW, shifts to hot leg injection, initiates 100 F/hr cooldown, shifts to unaffected unit's RWST	B.5.b alternative not needed.	Operator throttles HHSI flow, controls AFW, shifts to hot leg injection, initiates 100 F/hr cooldown (RWST empties)	None	9	>0.95
Spontaneous SGTR	Operator controls AFW, stops flow to faulted SG, throttles HHSI flow, initiates 100 F/hr cooldown, initiates RHR	B.5.b alternative not needed.	Operator controls of AFW, stops flow to faulted SG, throttles HHSI flow (fails to cooldown and initiate RHR)	None	45	1.0