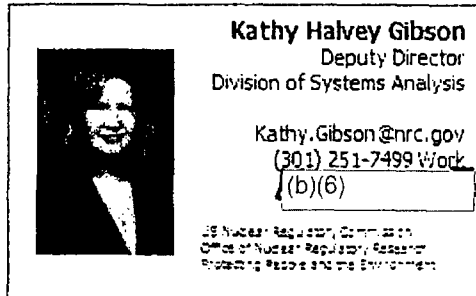


Greenwood, Carol

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**From:** Gibson, Kathy- *RES*  
**Sent:** Friday, June 18, 2010 4:29 PM  
**To:** Yerokun, Jimi; Uhle, Jennifer  
**Subject:** FW: SOARCA mitigation measures table  
**Attachments:** SOARCA mitigation measures table.doc; Kathy Halvey Gibson.vcf; image001.jpg

And here's the mitigation measure table.



**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<br>(0.3 to 0.5g seismic event) | Operator opens SRV & controls RCIC (during battery life) | 1. Manual RCIC operation<br>2. Portable diesel-driven pump (alternative, not needed) | Operator opens SRV & controls RCIC (during battery life – then fails) | None  | 10              | >0.95                 |
| STSBO<br>(0.5 to 1.0g seismic event) | None                                                     | 1. Manual RCIC operation<br>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<br>(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<br>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<br>(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<br>(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                   |