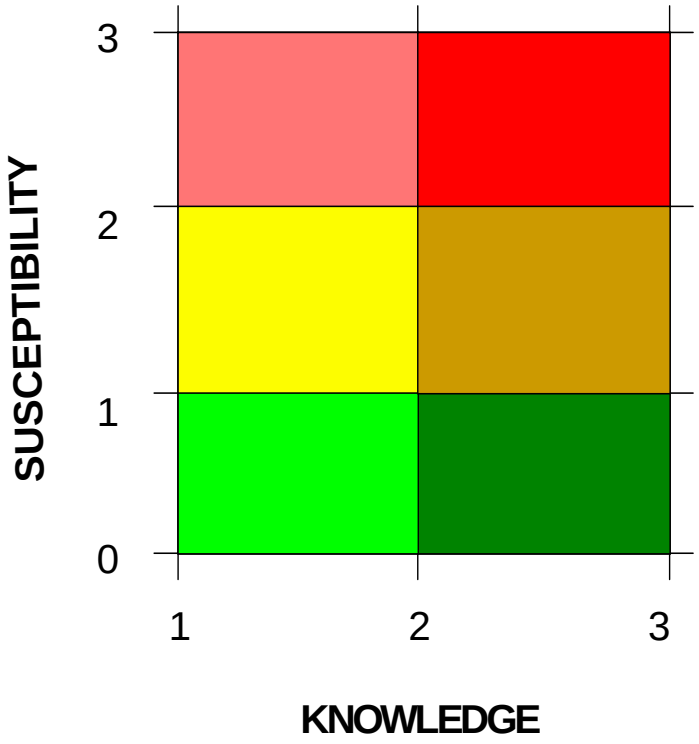
Explanation of Color Codes Used in Flag and Rainbow Reports

- Determine mode for Susceptibility (S) score; for multi-modal case, higher value of S is chosen for the mode
- Determine average for S and Knowledge (K) scores
- Value of S: higher of the average and the mode
- Color chosen according to the value of S and K
  - If S is equal to 1 or 2 (i.e., at a color box interface):
    - Upper color is chosen if at least one score exists that is higher than the value of S, otherwise lower color is chosen
    - An asterisk next to the color indicates the existence of one or more scores higher than the value of S
  - If S is <1 or <2 & >1 (i.e., inside a color box):
    - An "X" next to the color indicates the existence of one or more scores higher than this color box upper interface
  - If K is equal to 2, the left column colors are chosen
- A BOLD number in flag table for S indicates the mode
- Degradation mechanism in "BLACK" lettering for low K (left column colors) and in "WHITE" lettering for high K (right column colors) scores



* Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

1 Reactor Coolant System

Reactor Pressure Vessel Closure Head

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 1.1	Pressure Vessel Head Flanges and Nozzles SA 508 Cl.2 Forging Reactor Coolant Steam, 547°F, 1020 psia													
	FAT	1.00	0	**8**	0	0	3.00	0	0	8	3.00	0	0	8
	FAT-HWC	1.13	0	**7**	1	0	2.88	0	1	7	2.75	0	2	6
	FR	1.00	0	**8**	0	0	2.75	0	2	6	2.38	0	5	3
	SCC	1.38	0	**5**	3	0	3.00	0	0	8	2.88	0	1	7
	SCC-HWC	1.13	0	**7**	1	0	2.88	0	1	7	2.75	0	2	6
Subgroup 1.2	Pressure Vessel Plate SA-533 Gr.B Rolled Plate Reactor Coolant Steam, 547°F, 1020 psia													
	FAT	0.50	4	**4**	0	0	3.00	0	0	8	3.00	0	0	8
	FAT-HWC *	0.75	3	**4**	1	0	2.88	0	1	7	2.75	0	2	6
	FR	1.13	0	**7**	1	0	2.50	0	4	4	2.25	0	6	2
	SCC	1.13	0	**7**	1	0	3.00	0	0	8	2.88	0	1	7
	SCC-HWC	1.13	0	**7**	1	0	2.88	0	1	7	2.75	0	2	6
Subgroup 1.3	RPV Cladding 309 SS 7/32" thick .08%C max. Reactor Coolant Steam, 547°F, 1020 psia													
	DEBOND	0.88	1	**7**	0	0	2.75	0	2	6	2.88	0	1	7
	FAT	1.00	0	**8**	0	0	2.88	0	1	7	3.00	0	0	8
	FAT-HWC	1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
	FR	1.00	0	**8**	0	0	2.75	0	2	6	2.00	0	8	0
	SCC	1.25	0	**6**	2	0	3.00	0	0	8	2.88	0	1	7
	SCC-HWC	1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6
Subgroup 1.4	Closure Studs, Nuts and Washers SA 540 Carbon Steel Containment Air, < 547°F													
	EC	1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
	FAT	1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
	FR	0.88	1	**7**	0	0	2.88	0	1	7	2.75	0	2	6

* Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

1 Reactor Coolant System

Reactor Pressure Vessel Closure Head

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 1.5		SA508 Nozzle to SA 533 Plate Welds LAS SFA5.5:15-308 Reactor Coolant Steam, 547°F, 1020 psia												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FR	*	1.00	1	**6**	1	0	2.75	0	2	6	2.25	0	6	2
SCC		1.13	0	**7**	1	0	2.88	0	1	7	2.75	0	2	6
Subgroup 1.6		A533B Plate to Plate Welds LAS SFA5.5:15-308 Reactor Coolant Steam, 547°F, 1020 psia												
FAT		1.00	0	**8**	0	0	2.88	0	1	7	3.00	0	0	8
FR		1.13	0	**7**	1	0	2.63	0	3	5	2.13	0	7	1
SCC		1.13	0	**7**	1	0	3.00	0	0	8	2.88	0	1	7
Subgroup 1.7		A508 Nozzle to 304 SS Flange Weld 182 Weld Reactor Coolant Steam, 547°F, 1020 psia												
FAT		0.88	1	**7**	0	0	2.75	0	2	6	2.88	0	1	7
FR		1.13	1	**5**	2	0	2.63	0	3	5	2.13	0	7	1
SCC		2.25	0	0	**6**	2	2.75	0	2	6	2.75	0	2	6
Subgroup 1.8		304 SS Flange HAZ Reactor Coolant Steam, 547°F, 1020 psia												
FAT		0.88	1	**7**	0	0	3.00	0	0	8	3.00	0	0	8
FR		1.25	0	**6**	2	0	2.75	0	2	6	2.13	0	7	1
SCC	*	2.00	0	1	**6**	1	2.88	0	1	7	2.88	0	1	7
Subgroup 1.9		Nozzle Flanges A508 Cl.1 Reactor Coolant Steam, 547°F, 1020 psia												
FR		0.88	1	**7**	0	0	2.75	0	2	6	2.25	0	6	2
SCC		1.25	0	**6**	2	0	3.00	0	0	8	2.88	0	1	7

* Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

1 Reactor Coolant System

Reactor Pressure Vessel Closure Head

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 1.10	Dryer Hold Down Bracket 304 Stainless Steel Reactor Coolant Steam, 547°F, 1020 psia													
FAT		1.38	0	**5**	3	0	2.75	0	2	6	2.63	0	3	5
SCC		1.63	0	3	**5**	0	3.00	0	0	8	2.88	0	1	7
Subgroup 1.11	Dryer Hold Down Bracket A533 Gr. B LAS Reactor Coolant Steam, 547°F, 1020 psia													
FR		0.88	1	**7**	0	0	2.88	0	1	7	2.38	0	5	3
SCC		1.13	0	**7**	1	0	3.00	0	0	8	2.88	0	1	7
Subgroup 1.12	Dryer Hold Down Bracket Weld 182 Weld Reactor Coolant Steam, 547°F, 1020 psia													
FAT		1.25	0	**6**	2	0	2.75	0	2	6	2.63	0	3	5
FR		1.25	0	**6**	2	0	2.38	0	5	3	2.13	0	7	1
SCC		2.25	0	0	**6**	2	2.75	0	2	6	2.63	1	1	6
Subgroup 1.13	Lifting Lug Welds LAS SFA5.5:15-308 Containment Air													
FR		0.88	1	**7**	0	0	2.50	0	4	4	2.63	0	3	5

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

2 Reactor Coolant System

Reactor Pressure Vessel Shell

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 2.1		Pressure Vessel Flanges and Nozzles SA 508 Cl.2 Forging Reactor Coolant Steam/Water, 547°F, 1020 psia												
	FAT	1.00	0	**8**	0	0	2.88	0	1	7	3.00	0	0	8
	FAT-HWC *	1.00	1	**6**	1	0	2.75	0	2	6	2.88	0	1	7
	FR	1.00	0	**8**	0	0	2.75	0	2	6	2.38	0	5	3
	SCC	1.38	0	**5**	3	0	3.00	0	0	8	2.88	0	1	7
	SCC-HWC	1.13	0	**7**	1	0	2.88	0	1	7	2.75	0	2	6
Subgroup 2.2		Pressure Vessel Plate SA-533 Gr.B Rolled Plate Reactor Water, 533-547°F, 1020 psia Low Neutron dose												
	FAT	0.75	2	**6**	0	0	2.88	0	1	7	3.00	0	0	8
	FAT-HWC *	0.75	3	**4**	1	0	2.75	0	2	6	2.88	0	1	7
	FR	1.13	0	**7**	1	0	2.63	0	3	5	2.38	0	5	3
	SCC	1.00	0	**8**	0	0	3.00	0	0	8	3.00	0	0	8
	SCC-HWC	1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
Subgroup 2.3		SA508 Nozzle/Flange to SA 533 Plate Welds Reactor Water, 533-547°F, 1020 psia LAS SFA5.5:15-308												
	FAT	1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
	FAT-HWC *	1.00	1	**6**	1	0	2.63	0	3	5	2.75	0	2	6
	FR	1.13	0	**7**	1	0	2.50	0	4	4	2.13	0	7	1
	SCC	1.25	0	**6**	2	0	2.88	0	1	7	2.88	0	1	7
	SCC-HWC	1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6

* Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

2 Reactor Coolant System

Reactor Pressure Vessel Shell

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 2.4		SA508Nozzle to SA 533 Plate Welds Reactor Water, 533-547°F, 1020 psia LAS SFA5.5:15-308												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.75	0	2	6
FR		1.13	0	**7**	1	0	2.50	0	4	4	2.13	0	7	1
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.88	0	1	7
SCC-HWC		1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
Subgroup 2.5		SA 533 to SA 533 Plate Welds Reactor Water, 533-547°F, 1020 psia LAS SFA5.5:15-308												
FAT		0.88	1	**7**	0	0	2.88	0	1	7	3.00	0	0	8
FAT-HWC	*	0.88	2	**5**	1	0	2.75	0	2	6	2.88	0	1	7
FR		1.13	0	**7**	1	0	2.50	0	4	4	2.25	0	6	2
SCC		1.25	0	**6**	2	0	3.00	0	0	8	3.00	0	0	8
SCC-HWC		1.25	0	**6**	2	0	2.88	0	1	7	2.88	0	1	7
Subgroup 2.6		SA533 to SA 533 Plate Welds Reactor Water, 533-547°F, 1020 psia, Beltline Higher Neutron Dose LAS SFA5.5:15-308												
FAT		0.88	1	**7**	0	0	2.88	0	1	7	3.00	0	0	8
FAT-HWC	*	0.88	2	**5**	1	0	2.75	0	2	6	2.88	0	1	7
FR		1.50	0	4	**4**	0	2.50	0	4	4	2.25	0	6	2
SCC		1.38	0	**5**	3	0	3.00	0	0	8	2.88	0	1	7
SCC-HWC		1.25	0	**6**	2	0	2.88	0	1	7	2.88	0	1	7

* Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

2 Reactor Coolant System

Reactor Pressure Vessel Shell

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 2.7		SA 533Gr. B Plate Reactor Water, 533-547°F, 1020 psia Beltline, Higher Neutron Dose LAS SFA5.5:15-308												
	FAT	0.88	1	**7**	0	0	2.88	0	1	7	3.00	0	0	8
	FAT-HWC *	0.88	2	**5**	1	0	2.75	0	2	6	2.88	0	1	7
	FR	1.38	0	**5**	3	0	2.50	0	4	4	2.25	0	6	2
	SCC	1.38	0	**5**	3	0	3.00	0	0	8	2.88	0	1	7
	SCC-HWC	1.25	0	**6**	2	0	2.88	0	1	7	2.88	0	1	7
Subgroup 2.8		Feedwater Safeend Inconel 600 Reactor Water, 427°F, 1045 psia												
	FAT	1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
	FAT-HWC	1.25	0	**6**	2	0	2.63	0	3	5	2.38	0	5	3
	FR	1.14	1	**4**	2	0	2.29	0	5	2	2.14	0	6	1
	SCC	2.13	0	0	**7**	1	3.00	0	0	8	3.00	0	0	8
	SCC-HWC	1.75	0	2	**6**	0	2.88	0	1	7	2.88	0	1	7
Subgroup 2.9		Feedwater Thermal Sleeve Inconel 600 Reactor Water, 427°F, 1045 psia												
	FAT	1.38	0	**5**	3	0	3.00	0	0	8	2.88	0	1	7
	FAT-HWC	1.25	0	**6**	2	0	2.88	0	1	7	2.50	0	4	4
	SCC	2.13	0	0	**7**	1	3.00	0	0	8	3.00	0	0	8
	SCC-HWC	1.63	0	3	**5**	0	2.88	0	1	7	2.88	0	1	7

* Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

2 Reactor Coolant System

Reactor Pressure Vessel Shell

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 2.10		Feedwater Thermal Sleeve/A508 Nozzle Weld Dissimilar 182 Weld Reactor Water, 427°F, 1045 psia												
CREV	*	0.88	2	**5**	1	0	2.75	0	2	6	2.75	0	2	6
FAT		1.25	0	**6**	2	0	3.00	0	0	8	2.88	0	1	7
FAT-HWC		1.25	0	**6**	2	0	2.88	0	1	7	2.50	0	4	4
FR		1.25	0	**6**	2	0	2.25	0	6	2	2.13	0	7	1
SCC		2.25	0	0	**6**	2	3.00	0	0	8	2.88	0	1	7
SCC-HWC		1.50	0	4	**4**	0	2.75	0	2	6	2.75	0	2	6
Subgroup 2.11		Nozzle Safeends and Thermal Sleeves SS 316 including HAZ Reactor Water, 427°F, 1045 psia												
FAT		1.38	0	**5**	3	0	2.75	0	2	6	2.75	0	2	6
FAT-HWC		1.50	0	4	**4**	0	2.63	0	3	5	2.38	0	5	3
FR		1.50	0	4	**4**	0	2.38	0	5	3	2.13	0	7	1
SCC		2.13	0	0	**7**	1	3.00	0	0	8	2.88	0	1	7
SCC-HWC		1.50	0	4	**4**	0	2.88	0	1	7	2.75	0	2	6
Subgroup 2.12		Dissimilar 82/182 Weld Between Carbon Steel Extension and Alloy 600 Safe end Reactor Water, 427°F, 1045 psia												
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.63	0	3	5
FAT-HWC		1.13	0	**7**	1	0	2.63	0	3	5	2.38	0	5	3
FR		1.38	0	**5**	3	0	2.38	0	5	3	2.00	0	8	0
SCC		2.25	0	0	**6**	2	3.00	0	0	8	3.00	0	0	8
SCC-HWC		1.50	0	4	**4**	0	2.88	0	1	7	2.88	0	1	7

* Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

2 Reactor Coolant System

Reactor Pressure Vessel Shell

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 2.13	82/182 Weld Pad Between Clad A508 Nozzle and Alloy 600 Safe End Reactor Water, 533°F, 1059 psia													
CREV *		0.88	2	**5**	1	0	2.88	0	1	7	2.88	0	1	7
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.50	0	4	4
FAT-HWC		1.13	0	**7**	1	0	2.63	0	3	5	2.25	0	6	2
FR		1.25	0	**6**	2	0	2.38	0	5	3	2.00	0	8	0
SCC		2.25	0	0	**6**	2	2.88	0	1	7	2.75	0	2	6
SCC-HWC		1.50	0	4	**4**	0	2.75	0	2	6	2.63	0	3	5
Subgroup 2.14	Safe end Extension Carbon Steel (Unclad) Reactor Water, <533°F, 1059 psia													
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC		1.13	0	**7**	1	0	2.63	0	3	5	2.63	0	3	5
FR		0.88	1	**7**	0	0	2.75	0	2	6	2.38	0	5	3
PIT		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6
SCC-HWC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 2.15	RPV Cladding, 309 SS Reactor Water or Coolant Steam 533°F, 1059 psia													
DEBOND		0.88	1	**7**	0	0	2.75	0	2	6	2.75	0	2	6
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.75	0	2	6
FAT-HWC		1.13	0	**7**	1	0	2.63	0	3	5	2.38	0	5	3
FR		1.00	0	**8**	0	0	2.50	0	4	4	2.00	0	8	0
SCC		1.00	0	**8**	0	0	3.00	0	0	8	2.88	0	1	7
SCC-HWC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6

* Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

2 Reactor Coolant System

Reactor Pressure Vessel Shell

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 2.16		Main Steam Outlet Nozzle and Safe End A 508, Carbon Steel Reactor Coolant Steam, 533°F, 1059 psia												
EC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
FR		1.00	0	**8**	0	0	2.75	0	2	6	2.13	0	7	1
PIT		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
SCC		1.25	0	**6**	2	0	3.00	0	0	8	2.88	0	1	7
SCC-HWC		1.38	0	**5**	3	0	2.88	0	1	7	2.75	0	2	6
Subgroup 2.17		Attachment Pads Alloy 182 on Top of SS Cladding or on RPV 575°F, Reactor Water or Coolant Steam, 1020 psia												
DEBOND		0.88	1	**7**	0	0	2.63	0	3	5	2.63	0	3	5
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.75	0	2	6
FAT-HWC		1.50	0	4	**4**	0	2.50	0	4	4	2.50	0	4	4
FR		1.13	0	**7**	1	0	2.50	0	4	4	2.13	0	7	1
SCC		2.25	0	0	**6**	2	2.75	0	2	6	2.75	0	2	6
SCC-HWC		1.50	0	4	**4**	0	2.63	0	3	5	2.63	0	3	5
Subgroup 2.18		Brackets for Steam Dryer, Guide Rods CF8M Reactor Water or Coolant Steam, 547°F, 1020 psia												
FAT		1.38	0	**5**	3	0	2.75	0	2	6	2.75	0	2	6
FAT-HWC		1.25	0	**6**	2	0	2.63	0	3	5	2.50	0	4	4
FR		1.63	0	3	**5**	0	2.63	0	3	5	2.38	0	5	3
SCC		1.50	0	4	**4**	0	2.00	1	6	1	1.88	2	5	1
SCC-HWC		1.25	0	**6**	2	0	2.00	1	6	1	1.88	2	5	1

* Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

2 Reactor Coolant System

Reactor Pressure Vessel Shell

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 2.19	Jet Pump Riser Bracket 304 SS HAZ Reactor Water, 533°F, 1059 psia													
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.75	0	2	6
FAT-HWC		1.13	0	**7**	1	0	2.63	0	3	5	2.63	0	3	5
FR		1.13	0	**7**	1	0	2.50	0	4	4	2.13	0	7	1
SCC		2.25	0	0	**6**	2	3.00	0	0	8	2.75	0	2	6
SCC-HWC		1.25	0	**6**	2	0	2.88	0	1	7	2.88	0	1	7
Subgroup 2.20	CRD Return Nozzle Cap Weld LAS SFA5.5:15-308, Not Stress Relieved Reactor Water, 533°F, 1059 psia (Stagnant)													
FAT	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
FAT-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.63	0	3	5
FR	*	1.00	1	**5**	1	0	2.71	0	2	5	2.29	0	5	2
SCC		1.38	1	3	**4**	0	2.88	0	1	7	2.75	0	2	6
SCC-HWC		1.13	1	**5**	2	0	2.88	0	1	7	2.75	0	2	6
Subgroup 2.21	Stabilizer Lug Welds LAS SFA5.5:15-308 Containment Air													
FR		0.88	1	**7**	0	0	2.75	0	2	6	2.75	0	2	6

* Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

3 Reactor Coolant System

Reactor Pressure Vessel Bottom Head

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 3.1		Pressure Vessel Head Nozzles SA 508 Cl.2 Forging Reactor Water, 533-547°F, 1020-1059 psia												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.75	0	2	6
FR		1.13	0	**7**	1	0	2.63	0	3	5	2.25	0	6	2
SCC		1.38	0	**5**	3	0	2.88	0	1	7	2.75	0	2	6
SCC-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 3.2		Pressure Vessel Plate SA-533 Gr.B Rolled Plate Reactor Coolant 533-547°F, 1020-1059 psia												
FAT		0.75	2	**6**	0	0	2.88	0	1	7	3.00	0	0	8
FAT-HWC	*	0.75	3	**4**	1	0	2.75	0	2	6	2.88	0	1	7
FR		1.25	0	**6**	2	0	2.63	0	3	5	2.25	0	6	2
SCC		1.00	0	**8**	0	0	3.00	0	0	8	2.88	0	1	7
SCC-HWC	*	1.00	1	**6**	1	0	2.88	0	1	7	2.88	0	1	7
Subgroup 3.3		SA508 Nozzle to SA 533 Plate Welds LAS SFA5.5:15-308 Reactor Water, 533-547°F, 1020-1059 psia												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.75	0	2	6
FR		1.13	0	**7**	1	0	2.50	0	4	4	2.13	0	7	1
SCC		1.13	0	**7**	1	0	2.88	0	1	7	2.75	0	2	6
SCC-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6

* Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

3 Reactor Coolant System

Reactor Pressure Vessel Bottom Head

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 3.4	Dissimilar Metal Weld 182/82 508 Nozzle to 316L Safe End Reactor Water, 533-547°F, 1020-1059 psia													
	FAT	1.13	0	**7**	1	0	2.63	0	3	5	2.50	0	4	4
	FAT-HWC	1.13	0	**7**	1	0	2.63	0	3	5	2.25	0	6	2
	FR	1.38	0	**5**	3	0	2.38	0	5	3	2.00	0	8	0
	SCC	2.25	0	0	**6**	2	3.00	0	0	8	3.00	0	0	8
	SCC-HWC	1.50	0	4	**4**	0	2.88	0	1	7	2.88	0	1	7
Subgroup 3.5	Dissimilar Metal Weld 182/82 J-weld Incore and CRD Penetrations Reactor Water, 533-547°F, 1020-1059 psia													
	FAT	1.13	0	**7**	1	0	2.63	0	3	5	2.63	0	3	5
	FAT-HWC	1.13	0	**7**	1	0	2.63	0	3	5	2.38	0	5	3
	FR	1.38	0	**5**	3	0	2.38	0	5	3	2.00	0	8	0
	SCC	2.25	0	0	**6**	2	3.00	0	0	8	3.00	0	0	8
	SCC-HWC	1.50	0	4	**4**	0	2.88	0	1	7	2.88	0	1	7
Subgroup 3.6	Safe End and Thermal Sleeve 316NG or 316L SS HAZ Reactor Water, 533-547°F, 1020-1059 psia													
	FAT	1.25	0	**6**	2	0	2.63	0	3	5	2.63	0	3	5
	FAT-HWC	1.25	0	**6**	2	0	2.63	0	3	5	2.38	0	5	3
	FR	1.25	0	**6**	2	0	2.50	0	4	4	2.13	0	7	1
	SCC *	2.00	0	1	**6**	1	3.00	0	0	8	2.75	0	2	6
	SCC-HWC *	1.00	2	**4**	2	0	2.88	0	1	7	2.75	0	2	6

* Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

3 Reactor Coolant System

Reactor Pressure Vessel Bottom Head

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 3.7	Safe End 304 SS HAZ Reactor Water, 533-547°F, 1020-1059 psia													
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.75	0	2	6
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.50	0	4	4
FR		1.25	0	**6**	2	0	2.50	0	4	4	2.13	0	7	1
SCC		2.25	0	0	**6**	2	3.00	0	0	8	2.88	0	1	7
SCC-HWC		1.38	0	**5**	3	0	2.88	0	1	7	2.88	0	1	7
Subgroup 3.8	308 Weldments Reactor Water, 533-547°F, 1020-1059 psia													
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC		0.88	1	**7**	0	0	2.75	0	2	6	2.63	0	3	5
FR		1.13	0	**7**	1	0	2.38	0	5	3	2.00	0	8	0
SCC		1.00	0	**8**	0	0	2.88	0	1	7	2.88	0	1	7
SCC-HWC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 3.9	82/182 Weld Pad Between Thermal Sleeve and Nozzle Reactor Water, 533-547°F, 1020-1059 psia													
CREV	*	0.88	2	**5**	1	0	2.88	0	1	7	2.88	0	1	7
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.50	0	4	4
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.38	0	5	3
FR		1.38	0	**5**	3	0	2.38	0	5	3	2.00	0	8	0
SCC		2.38	0	0	**5**	3	3.00	0	0	8	3.00	0	0	8
SCC-HWC		1.63	0	3	**5**	0	2.75	0	2	6	2.63	0	3	5

* Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

3 Reactor Coolant System

Reactor Pressure Vessel Bottom Head

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 3.10		CRD Stubtube Alloy 600 HAZ Reactor Water, 533-547°F, 1020-1059 psia												
	FAT	1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
	FAT-HWC *	1.00	1	**6**	1	0	2.63	0	3	5	2.50	0	4	4
	FR	1.25	0	**6**	2	0	2.50	0	4	4	2.13	0	7	1
	SCC	2.13	0	1	**5**	2	3.00	0	0	8	3.00	0	0	8
	SCC-HWC	1.38	0	**5**	3	0	2.75	0	2	6	2.63	0	3	5
Subgroup 3.11		Dissimilar 82/182 Welds A533B to Inconel Reactor Water, 533-547°F, 1020-1059 psia												
	FAT	1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
	FAT-HWC *	1.00	1	**6**	1	0	2.75	0	2	6	2.50	0	4	4
	FR	1.38	0	**5**	3	0	2.38	0	5	3	2.00	0	8	0
	SCC	2.25	0	0	**6**	2	3.00	0	0	8	3.00	0	0	8
	SCC-HWC	1.63	0	3	**5**	0	2.88	0	1	7	2.75	0	2	6
Subgroup 3.12		Alloy 600 (e.g., Shroud Support Leg, Gussets) Alloy 600 HAZ Reactor Water, 533-547°F, 1020-1059 psia												
	FAT	1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
	FAT-HWC *	1.00	1	**6**	1	0	2.63	0	3	5	2.50	0	4	4
	FR	1.25	0	**6**	2	0	2.50	0	4	4	2.13	0	7	1
	SCC	2.25	0	1	**4**	3	3.00	0	0	8	3.00	0	0	8
	SCC-HWC	1.38	0	**5**	3	0	2.75	0	2	6	2.63	0	3	5

* Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

3 Reactor Coolant System

Reactor Pressure Vessel Bottom Head

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 3.13		182 Weldments of Inconel to Inconel Reactor Water, 533-547°F, 1020-1059 psia												
FAT	X	1.25	0	**7**	0	1	2.75	0	2	6	2.75	0	2	6
FAT-HWC		1.13	0	**7**	1	0	2.75	0	2	6	2.50	0	4	4
FR		1.38	0	**5**	3	0	2.38	0	5	3	2.00	0	8	0
SCC		2.63	0	0	3	**5**	3.00	0	0	8	3.00	0	0	8
SCC-HWC		1.50	0	4	**4**	0	2.88	0	1	7	2.75	0	2	6
Subgroup 3.14		Support Skirt SA533B to A508 Forgings Containment Air, 533°F												
FAT		0.88	1	**7**	0	0	2.75	0	2	6	2.88	0	1	7
FR	X	0.63	**4**	3	1	0	2.75	0	2	6	2.63	0	3	5
Subgroup 3.15		Vessel Cladding 309 SS, 0.08%C max Reactor Water, 533-547°F, 1020-1059 psia												
DEBOND		0.88	1	**7**	0	0	2.50	1	2	5	2.50	1	2	5
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC		1.00	0	**7**	0	0	2.71	0	2	5	2.71	0	2	5
FR		1.00	0	**8**	0	0	2.63	0	3	5	2.13	0	7	1
SCC		1.25	0	**6**	2	0	3.00	0	0	8	3.00	0	0	8
SCC-HWC		1.17	0	**5**	1	0	2.83	0	1	5	2.83	0	1	5

✱ Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

4 Reactor Coolant System

Core Shroud

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 4.1		Various Ring - Ring Segment Weld Metal - Vertical Type 308/308L Weld Metal Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.63	0	3	5
FR		1.13	0	**7**	1	0	2.38	0	5	3	2.00	0	8	0
SCC		1.00	0	**8**	0	0	2.75	0	2	6	2.63	0	3	5
SCC-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.50	0	4	4
Subgroup 4.2		Various Ring - Ring Segment Welds - Vertical HAZ Type 304 SS HAZ Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.63	0	3	5
FR		1.25	0	**6**	2	0	2.38	0	5	3	2.00	0	8	0
SCC		2.38	0	0	**5**	3	3.00	0	0	8	2.88	0	1	7
SCC-HWC	X	1.38	0	**6**	1	1	2.75	0	2	6	2.63	0	3	5
Subgroup 4.3		Various Ring - Shell Circumferential Weld Metal Type 308/308L weld metal Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.63	0	3	5
FR		1.13	0	**7**	1	0	2.38	0	5	3	2.00	0	8	0
SCC		1.13	0	**7**	1	0	2.75	0	2	6	2.63	0	3	5
SCC-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.50	0	4	4

* Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

4 Reactor Coolant System

Core Shroud

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 4.4		Various Ring - Shell Circumferential Weld HAZ Type 304 SS HAZ Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.63	0	3	5
FR		1.25	0	**6**	2	0	2.38	0	5	3	2.00	0	8	0
SCC		2.38	0	0	**5**	3	3.00	0	0	8	2.88	0	1	7
SCC-HWC	X	1.38	0	**6**	1	1	2.75	0	2	6	2.63	0	3	5
Subgroup 4.5		Various Shell Plate Vertical Weld Metal Type 308/308L Weld Metal Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi, low fluence												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.63	0	3	5
FR		1.13	0	**7**	1	0	2.38	0	5	3	2.00	0	8	0
SCC		1.13	0	**7**	1	0	2.75	0	2	6	2.63	0	3	5
SCC-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.50	0	4	4
Subgroup 4.6		Various Shell Plate Vertical Weld HAZ Type 304 SS HAZ Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi, low fluence												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.63	0	3	5
FR		1.25	0	**6**	2	0	2.38	0	5	3	2.00	0	8	0
SCC		2.50	0	0	4	**4**	3.00	0	0	8	2.88	0	1	7
SCC-HWC	X	1.38	0	**6**	1	1	2.75	0	2	6	2.63	0	3	5

* Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

4 Reactor Coolant System

Core Shroud

	Susceptibility					Confidence				Knowledge			
	Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 4.7	Various Plate Vertical & Circumferential Weld Metal Type 308/308L weld metal Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi, moderate fluence												
FAT	1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC *	1.00	1	**6**	1	0	2.63	0	3	5	2.63	0	3	5
FR	1.13	0	**7**	1	0	2.38	0	5	3	2.00	0	8	0
SCC	1.13	0	**7**	1	0	2.75	0	2	6	2.63	0	3	5
SCC-HWC *	1.00	1	**6**	1	0	2.63	0	3	5	2.50	0	4	4
Subgroup 4.8	Various Plate Vertical & Circumferential Weld HAZ Type 304 SS HAZ Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi, moderate fluence												
FAT	1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	0.88	1	**7**	0	0	2.75	0	2	6	2.75	0	2	6
FR	1.25	0	**6**	2	0	2.38	0	5	3	2.00	0	8	0
SCC	2.50	0	0	4	**4**	2.88	0	1	7	2.63	0	3	5
SCC-HWC *	1.75	0	3	**4**	1	2.75	0	2	6	2.50	0	4	4
Subgroup 4.9	Shell -Shroud Support Ring (H7) Weld Metal Alloy 182 weld metal Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi												
FAT	1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
FAT-HWC	1.25	1	**4**	3	0	2.63	0	3	5	2.50	0	4	4
FR	1.38	0	**5**	3	0	2.50	0	4	4	2.00	0	8	0
SCC	2.25	0	0	**6**	2	2.88	0	1	7	2.63	0	3	5
SCC-HWC	1.38	1	3	**4**	0	2.75	0	2	6	2.50	0	4	4

* Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

4 Reactor Coolant System

Core Shroud

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 4.10		Shell -Shroud Support Ring (H7) Weld HAZ Type 304 SS HAZ Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC		1.13	1	**5**	2	0	2.63	0	3	5	2.63	0	3	5
FR		1.25	0	**6**	2	0	2.50	0	4	4	2.13	0	7	1
SCC		2.25	0	0	**6**	2	2.88	0	1	7	2.88	0	1	7
SCC-HWC	X	1.50	0	**5**	2	1	2.75	0	2	6	2.63	0	3	5
Subgroup 4.11		Ring material (segments often forged) Type 304 SS Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC		0.88	1	**7**	0	0	2.63	0	3	5	2.63	0	3	5
FR		1.13	0	**7**	1	0	2.50	0	4	4	2.13	0	7	1
SCC	X	1.38	0	**6**	1	1	3.00	0	0	8	3.00	0	0	8
SCC-HWC		0.88	1	**7**	0	0	2.75	0	2	6	2.63	0	3	5
Subgroup 4.12		Shell material (segments) Type 304 SS Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi, low fluence												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC		0.88	1	**7**	0	0	2.63	0	3	5	2.63	0	3	5
FR		1.13	0	**7**	1	0	2.50	0	4	4	2.13	0	7	1
SCC	X	1.50	0	**5**	2	1	3.00	0	0	8	2.88	0	1	7
SCC-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.63	0	3	5

* Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

4 Reactor Coolant System

Core Shroud

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 4.13		Shell material (segments) - beltline region Type 304 SS Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi, moderate fluence												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC		0.88	1	**7**	0	0	2.63	0	3	5	2.63	0	3	5
FR		1.13	0	**7**	1	0	2.50	0	4	4	2.13	0	7	1
SCC	X	1.63	0	**4**	3	1	2.88	0	1	7	2.63	0	3	5
SCC-HWC		1.25	1	**4**	3	0	2.63	0	3	5	2.50	0	4	4
Subgroup 4.14		Miscellaneous brackets, pads, etc. on shroud Type 304 SS (some/all probably with 308L welds) Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.75	0	2	6
FAT-HWC		0.88	1	**7**	0	0	2.63	0	3	5	2.63	0	3	5
FR		1.25	0	**6**	2	0	2.38	0	5	3	2.00	0	8	0
SCC		2.13	0	0	**7**	1	2.88	0	1	7	2.88	0	1	7
SCC-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.50	0	4	4
Subgroup 4.15		Entire top guide structure - interlocked (wedged) Type 304 SS Reactor Water (<0.15 mS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi, moderate to high fluence												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC		0.88	1	**7**	0	0	2.63	0	3	5	2.63	0	3	5
FR		1.25	0	**6**	2	0	2.50	0	4	4	2.13	0	7	1
SCC		2.50	0	0	4	**4**	2.88	0	1	7	2.75	0	2	6
SCC-HWC	X	1.63	0	**5**	1	2	2.63	0	3	5	2.50	0	4	4

* Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

4 Reactor Coolant System

Core Shroud

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 4.16		Top guide wedge Type 304 SS Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC		0.88	1	**7**	0	0	2.63	0	3	5	2.63	0	3	5
FR		1.13	0	**7**	1	0	2.50	0	4	4	2.13	0	7	1
SCC	X	1.50	0	**5**	2	1	2.88	0	1	7	2.88	0	1	7
SCC-HWC		1.13	1	**5**	2	0	2.63	0	3	5	2.50	0	4	4
Subgroup 4.17		Entire core plate structure Type 304 SS Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC		0.88	1	**7**	0	0	2.63	0	3	5	2.75	0	2	6
FR		1.25	0	**6**	2	0	2.50	0	4	4	2.13	0	7	1
SCC	*	1.75	0	3	**4**	1	3.00	0	0	8	2.88	0	1	7
SCC-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.63	0	3	5
Subgroup 4.18		Core plate bolt assembly Type 304 SS Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi												
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.63	0	3	5
FR		1.13	0	**7**	1	0	2.50	0	4	4	2.13	0	7	1
SCC	X	1.63	0	**4**	3	1	3.00	0	0	8	3.00	0	0	8
SCC-HWC		1.13	1	**5**	2	0	2.75	0	2	6	2.63	0	3	5

* Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

4 Reactor Coolant System

Core Shroud

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 4.19		Core plate bypass flow plug Type 304 SS Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC		1.00	0	**8**	0	0	2.50	0	4	4	2.50	0	4	4
FR	*	1.00	1	**6**	1	0	2.75	0	2	6	2.25	0	6	2
SCC	X	1.50	0	**5**	2	1	3.00	0	0	8	3.00	0	0	8
SCC-HWC		1.13	0	**7**	1	0	2.75	0	2	6	2.63	0	3	5
Subgroup 4.20		Core plate bypass flow plug X750 Spring Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC		1.13	0	**7**	1	0	2.63	0	3	5	2.50	0	4	4
FR		1.63	0	3	**5**	0	2.75	0	2	6	2.25	0	6	2
SCC		2.38	0	0	**5**	3	3.00	0	0	8	3.00	0	0	8
SCC-HWC	*	1.88	0	2	**5**	1	2.88	0	1	7	2.75	0	2	6

* Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

5 Reactor Coolant System

Core Controls

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 5.1		Fuel Support Structure Wrought or Cast SS Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC		0.88	1	**7**	0	0	2.63	0	3	5	2.75	0	2	6
FR		1.50	0	4	**4**	0	2.25	0	6	2	2.13	0	7	1
SCC	X	1.50	0	**5**	2	1	2.75	0	2	6	2.50	1	2	5
SCC-HWC		1.25	1	**4**	3	0	2.63	0	3	5	2.25	1	4	3
Subgroup 5.2		Control Rod Blade 304/316 Stainless Steel, often chemistry controls Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi, 4-6 dpa												
FAT		1.00	1	**7**	0	0	2.71	0	2	5	2.71	0	2	5
FAT-HWC		0.86	2	**6**	0	0	2.71	0	2	5	2.57	0	3	4
FR		1.29	1	**5**	2	0	2.57	0	3	4	2.14	0	6	1
SCC		2.29	1	0	**5**	2	2.86	0	1	6	2.71	0	2	5
SCC-HWC	X	1.43	2	**3**	2	1	2.57	0	3	4	2.29	0	5	2
Subgroup 5.3		Control Rod Guide Tube & Housing CF3 A351 Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi, low to moderate fluence												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.63	0	3	5
FR		1.63	0	3	**5**	0	2.25	0	6	2	2.00	0	8	0
SCC		1.63	0	3	**5**	0	2.38	0	5	3	2.13	1	5	2
SCC-HWC	*	1.00	1	**6**	1	0	2.50	0	4	4	2.38	1	3	4
WEAR		1.14	1	**6**	1	0	2.57	0	3	4	2.29	0	5	2

* Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

5 Reactor Coolant System

Core Controls

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 5.4		Fuel Bundle Alignment Pin Type 304 SS Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.75	0	2	6
FAT-HWC		0.88	1	**7**	0	0	2.63	0	3	5	2.50	0	4	4
FR		1.13	0	**7**	1	0	2.50	0	4	4	2.25	0	6	2
SCC	X	1.50	0	**5**	2	1	2.88	0	1	7	2.75	0	2	6
SCC-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.50	0	4	4
Subgroup 5.5		Control Rod Drive Housing Flange Type 304 SS Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.75	0	2	6
FAT-HWC		0.88	1	**7**	0	0	2.63	0	3	5	2.63	0	3	5
FR		1.13	0	**7**	1	0	2.50	0	4	4	2.25	0	6	2
SCC	X	1.38	0	**6**	1	1	2.88	0	1	7	2.88	0	1	7
SCC-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.63	0	3	5
Subgroup 5.6		Control Rod Drive Housing Flange Weld Metal Type 308/L or 309 Weld Metal Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 105°F, 1059 psi (CRD drive water)												
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.75	0	2	6
FAT-HWC		1.13	1	**5**	2	0	2.50	0	4	4	2.50	0	4	4
FR		1.25	1	**4**	3	0	2.50	0	4	4	2.25	0	6	2
SCC		1.00	0	**8**	0	0	2.75	0	2	6	2.75	0	2	6
SCC-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.50	0	4	4

* Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

5 Reactor Coolant System

Core Controls

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 5.7	Control Rod Drive Housing Flange Weld HAZ Type 304 SS HAZ Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 105°F, 1059 psi (CRD drive water)													
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.75	0	2	6
FAT-HWC		1.13	1	**5**	2	0	2.50	0	4	4	2.38	0	5	3
FR		1.25	1	**4**	3	0	2.50	0	4	4	2.13	0	7	1
SCC		1.00	0	**8**	0	0	2.75	0	2	6	2.63	0	3	5
SCC-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.50	0	4	4
Subgroup 5.8	RPV Stub Tube - CRD Housing - upper weld metal Alloy 182 Weld Metal Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi													
FAT		1.25	0	**6**	2	0	2.63	0	3	5	2.75	0	2	6
FAT-HWC		1.25	1	**4**	3	0	2.50	0	4	4	2.50	0	4	4
FR		1.50	0	4	**4**	0	2.38	0	5	3	2.00	0	8	0
SCC		2.38	0	0	**5**	3	3.00	0	0	8	2.75	0	2	6
SCC-HWC		1.25	1	**4**	3	0	2.75	0	2	6	2.50	0	4	4
Subgroup 5.9	RPV Stub Tube - CRD Housing - upper weld HAZ Type 304 SS HAZ Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC		1.13	1	**5**	2	0	2.63	0	3	5	2.63	0	3	5
FR		1.38	0	**5**	3	0	2.38	0	5	3	2.00	0	8	0
SCC		2.38	0	0	**5**	3	3.00	0	0	8	2.88	0	1	7
SCC-HWC	X	1.38	0	**6**	1	1	2.75	0	2	6	2.63	0	3	5

* Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

5 Reactor Coolant System

Core Controls

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 5.10		RPV Stub Tube - CRD Housing - upper weld HAZ Alloy 600 HAZ Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi												
FAT		1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
FAT-HWC		1.13	1	**5**	2	0	2.63	0	3	5	2.50	0	4	4
FR		1.38	0	**5**	3	0	2.50	0	4	4	2.13	0	7	1
SCC		2.13	0	1	**5**	2	3.00	0	0	8	2.88	0	1	7
SCC-HWC		1.13	1	**5**	2	0	2.75	0	2	6	2.63	0	3	5
Subgroup 5.11		Misc. CRD & Neutron Monitoring - out of core Type 304 SS Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC		0.88	1	**7**	0	0	2.63	0	3	5	2.63	0	3	5
FR		1.13	0	**7**	1	0	2.50	0	4	4	2.25	0	6	2
SCC	X	1.38	0	**6**	1	1	3.00	0	0	8	2.88	0	1	7
SCC-HWC		0.88	1	**7**	0	0	2.75	0	2	6	2.63	0	3	5
Subgroup 5.12		In-core Guide Tube Ass. (no delta P across tube) Type 304 SS Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525-550°F, 1059 psi, high fluence												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC		0.88	1	**7**	0	0	2.50	0	4	4	2.50	0	4	4
FR		1.25	0	**6**	2	0	2.50	0	4	4	2.13	0	7	1
SCC		2.13	0	0	**7**	1	3.00	0	0	8	2.88	0	1	7
SCC-HWC		1.25	1	**4**	3	0	2.63	0	3	5	2.50	1	2	5
WEAR		1.29	1	**5**	2	0	2.43	0	4	3	2.29	0	5	2

✱ Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

5 Reactor Coolant System

Core Controls

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 5.13	Misc CRD Support Structures - outside vessel ASTM A36 & A235 Dry <135°F, Containment Atmosphere													
FAT		0.88	1	**7**	0	0	2.88	0	1	7	2.88	0	1	7
PIT		0.63	3	**5**	0	0	2.88	0	1	7	2.88	0	1	7
SCC		0.38	**5**	3	0	0	2.88	0	1	7	2.88	0	1	7
Subgroup 5.14	Misc DP & Liquid Control Structures - in-vessel Type 304 SS base metal Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi													
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC		0.86	1	**6**	0	0	2.71	0	2	5	2.71	0	2	5
SCC	X	1.38	0	**6**	1	1	2.88	0	1	7	2.88	0	1	7
SCC-HWC	*	1.00	1	**5**	1	0	2.86	0	1	6	2.71	0	2	5
Subgroup 5.15	Misc DP & Liquid Control Structures - in-vessel 308/L SS Weld Metal Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi													
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.75	0	2	6
FAT-HWC		1.13	1	**5**	2	0	2.50	0	4	4	2.50	0	4	4
FR		1.38	0	**5**	3	0	2.38	0	5	3	2.13	0	7	1
SCC		1.25	0	**6**	2	0	2.63	0	3	5	2.63	0	3	5
SCC-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.50	0	4	4
Subgroup 5.16	Misc DP & Liquid Control Structures - in-vessel 182 Weld Metal Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi													
FAT		1.25	0	**6**	2	0	2.63	0	3	5	2.75	0	2	6
FAT-HWC		1.25	1	**4**	3	0	2.50	0	4	4	2.50	0	4	4
FR		1.50	0	4	**4**	0	2.38	0	5	3	2.13	0	7	1
SCC		2.25	0	0	**6**	2	2.75	0	2	6	2.50	0	4	4
SCC-HWC		1.25	1	**4**	3	0	2.75	0	2	6	2.50	0	4	4

* Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

5 Reactor Coolant System

Core Controls

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 5.17	Misc DP & Liquid Control Structures - in-vessel Type 304 SS HAZ Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi													
FAT		1.25	0	**6**	2	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC		1.25	1	**4**	3	0	2.63	0	3	5	2.63	0	3	5
FR		1.38	0	**5**	3	0	2.38	0	5	3	2.13	0	7	1
SCC		2.25	0	0	**6**	2	2.88	0	1	7	2.75	0	2	6
SCC-HWC		1.13	1	**5**	2	0	2.75	0	2	6	2.50	0	4	4

✱ Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

6 Reactor Coolant System

Jet Pump Assembly

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 6.1		Misc. Pipes & Elbows & JP Mixer/Diffuser 304SS Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi, low fluence												
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC		0.88	1	**7**	0	0	2.63	0	3	5	2.50	0	4	4
FR		1.13	0	**7**	1	0	2.50	0	4	4	2.25	0	6	2
SCC	X	1.38	0	**6**	1	1	3.00	0	0	8	3.00	0	0	8
SCC-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.63	0	3	5
Subgroup 6.2		SS-to-SS Welds in above Pipes & Elbows 308/L SS Weld Metal Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi, low fluence												
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.50	0	4	4
FR		1.25	0	**6**	2	0	2.38	0	5	3	2.13	0	7	1
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6
SCC-HWC		1.13	1	**5**	2	0	2.75	0	2	6	2.63	0	3	5
Subgroup 6.3		SS-to-SS Welds in above Pipes & Elbows (HAZ) 304SS HAZ Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi, low fluence												
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.50	0	4	4
FR		1.38	0	**5**	3	0	2.50	0	4	4	2.13	0	7	1
SCC		2.38	0	0	**5**	3	3.00	0	0	8	2.75	0	2	6
SCC-HWC	X	1.38	0	**6**	1	1	2.75	0	2	6	2.63	0	3	5

* Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

6 Reactor Coolant System

Jet Pump Assembly

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 6.4		Restrainer Bracket Support XM-19 (Nitronic 50) Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi, low fluence												
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.50	0	4	4
FR		1.13	0	**7**	1	0	2.63	0	3	5	2.38	0	5	3
SCC	X	1.50	0	**5**	2	1	2.75	0	2	6	2.75	0	2	6
SCC-HWC		1.13	1	**5**	2	0	2.63	0	3	5	2.50	0	4	4
Subgroup 6.5		Jet Pump Holddown Beam X750 (mostly HTH) Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi, low fluence												
FAT		1.63	0	3	**5**	0	2.75	0	2	6	2.75	0	2	6
FAT-HWC		1.25	1	**4**	3	0	2.63	0	3	5	2.38	0	5	3
FR		1.50	0	4	**4**	0	2.50	0	4	4	2.00	0	8	0
SCC		2.38	0	0	**5**	3	3.00	0	0	8	2.88	0	1	7
SCC-HWC		2.13	0	1	**5**	2	2.88	0	1	7	2.75	0	2	6
Subgroup 6.6		Access Hole Cover (Ledge in Group 4) Alloy 600 (some covers are SS) Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi, low fluence												
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
FAT-HWC		1.13	1	**5**	2	0	2.63	0	3	5	2.38	0	5	3
FR		1.13	0	**7**	1	0	2.50	0	4	4	2.25	0	6	2
SCC	*	1.88	0	2	**5**	1	3.00	0	0	8	2.88	0	1	7
SCC-HWC		1.13	1	**5**	2	0	2.75	0	2	6	2.63	0	3	5

* Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

6 Reactor Coolant System

Jet Pump Assembly

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 6.7	Alloy 182Welds for Access Hole Cover Alloy 182 Weld Metal Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi, low fluence													
FAT		1.25	0	**6**	2	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC		1.25	1	**4**	3	0	2.63	0	3	5	2.50	0	4	4
FR		1.50	0	4	**4**	0	2.38	0	5	3	2.00	0	8	0
SCC		2.38	0	0	**5**	3	3.00	0	0	8	2.50	0	4	4
SCC-HWC		1.38	1	3	**4**	0	2.75	0	2	6	2.50	0	4	4
Subgroup 6.8	Slip Fit on Jet Pump Mixer to Diffuser 304 SS Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi													
FAT		1.50	0	4	**4**	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC		1.38	1	3	**4**	0	2.50	0	4	4	2.50	0	4	4
WEAR		1.63	0	3	**5**	0	2.63	0	3	5	2.50	0	4	4
Subgroup 6.9	Riser brace or bracket weld to riser 308L weld metal Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi, low fluence													
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.50	0	4	4
FR		1.13	0	**7**	1	0	2.38	0	5	3	2.13	0	7	1
SCC		1.13	0	**7**	1	0	2.88	0	1	7	2.75	0	2	6
SCC-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.63	0	3	5

* Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

6 Reactor Coolant System

Jet Pump Assembly

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 6.10		Riser brace or bracket weld to riser - HAZ 304SS HAZ Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi, low fluence												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.50	0	4	4
FR		1.38	0	**5**	3	0	2.38	0	5	3	2.00	0	8	0
SCC		2.38	0	0	**5**	3	3.00	0	0	8	2.75	0	2	6
SCC-HWC	X	1.38	0	**6**	1	1	2.75	0	2	6	2.63	0	3	5
Subgroup 6.11		Jet Pump Adapter to Ledge SS Adapter HAZ Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi, low fluence												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.50	0	4	4
FR		1.38	0	**5**	3	0	2.38	0	5	3	2.13	0	7	1
SCC		2.38	0	0	**5**	3	3.00	0	0	8	2.88	0	1	7
SCC-HWC	X	1.38	0	**6**	1	1	2.75	0	2	6	2.63	0	3	5
Subgroup 6.12		Alloy 182 Welds for Jet Pump Adapter to Ledge Alloy 182 Weld Metal Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi, low fluence												
FAT		1.25	0	**6**	2	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC		1.25	1	**4**	3	0	2.63	0	3	5	2.50	0	4	4
FR		1.50	0	4	**4**	0	2.38	0	5	3	2.13	0	7	1
SCC		2.38	0	0	**5**	3	3.00	0	0	8	2.63	0	3	5
SCC-HWC		1.50	0	4	**4**	0	2.75	0	2	6	2.50	0	4	4

* Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

6 Reactor Coolant System

Jet Pump Assembly

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 6.13		Jet Pump Adapter to JP Diffuser SS HAZ on Adapter and Diffuser Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi, low fluence												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.50	0	4	4
FR		1.38	0	**5**	3	0	2.38	0	5	3	2.13	0	7	1
SCC		2.38	0	0	**5**	3	3.00	0	0	8	2.88	0	1	7
SCC-HWC	X	1.38	0	**6**	1	1	2.75	0	2	6	2.63	0	3	5
Subgroup 6.14		Jet Pump Adapter to JP Diffuser Weld Metal 308/L SS Weld Metal Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 525°F, 1059 psi, low fluence												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.50	0	4	4
FR		1.13	0	**7**	1	0	2.38	0	5	3	2.13	0	7	1
SCC	X	1.25	0	**7**	0	1	3.00	0	0	8	2.88	0	1	7
SCC-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.63	0	3	5

* Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

7 Reactor Coolant System

ECCS Connections

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 7.1		Feedwater Pipe & Header to T-Box Weld Metal Type 308/L SS Weld Metal Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 427°F, 1045 psi												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.50	0	4	4
FR		1.13	0	**7**	1	0	2.25	0	6	2	2.13	0	7	1
SCC		1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
SCC-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.63	0	3	5
Subgroup 7.2		Feedwater Pipe & Header to T-Box Welds HAZ Type 304 SS HAZ Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 427°F, 1045 psi												
FAT		1.00	0	**8**	0	0	2.63	0	3	5	2.75	0	2	6
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.50	0	4	4
FR		1.25	0	**6**	2	0	2.50	0	4	4	2.13	0	7	1
SCC		2.25	0	0	**6**	2	3.00	0	0	8	2.88	0	1	7
SCC-HWC		1.38	0	**5**	3	0	2.75	0	2	6	2.63	0	3	5
Subgroup 7.3		Feedwater Sparger Components Type 304 SS Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 427°F, 1045 psi												
FAT		1.00	0	**8**	0	0	2.63	0	3	5	2.75	0	2	6
FAT-HWC		0.88	1	**7**	0	0	2.63	0	3	5	2.50	0	4	4
FR		1.00	0	**8**	0	0	2.75	0	2	6	2.50	0	4	4
SCC	X	1.38	0	**6**	1	1	3.00	0	0	8	3.00	0	0	8
SCC-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.63	0	3	5

* Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

7 Reactor Coolant System

ECCS Connections

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 7.4		Feedwater Sparger Nozzle Weld Metal Type 308/L Weld Metal Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 427°F, 1045 psi												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.50	0	4	4
FR		1.00	0	**8**	0	0	2.25	0	6	2	2.13	0	7	1
SCC		1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
SCC-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.63	0	3	5
Subgroup 7.5		Feedwater Sparger Nozzle Weld HAZ Type 304 SS HAZ Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 427°F, 1045 psi												
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.75	0	2	6
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.50	0	4	4
FR		1.25	0	**6**	2	0	2.50	0	4	4	2.13	0	7	1
SCC		2.25	0	0	**6**	2	3.00	0	0	8	3.00	0	0	8
SCC-HWC		1.38	0	**5**	3	0	2.75	0	2	6	2.63	0	3	5
Subgroup 7.6		Core Spray Components Type 304 SS Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi												
FAT		1.00	0	**8**	0	0	2.63	0	3	5	2.75	0	2	6
FAT-HWC		0.88	1	**7**	0	0	2.63	0	3	5	2.50	0	4	4
FR		0.75	2	**6**	0	0	2.75	0	2	6	2.50	0	4	4
SCC	X	1.50	0	**5**	2	1	3.00	0	0	8	3.00	0	0	8
SCC-HWC		1.13	1	**5**	2	0	2.75	0	2	6	2.63	0	3	5

* Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

7 Reactor Coolant System

ECCS Connections

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 7.7		Core Spray Component Type 308/L SS Weld Metal Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.50	0	4	4
FR		1.00	0	**8**	0	0	2.25	0	6	2	2.13	0	7	1
SCC		1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
SCC-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.63	0	3	5
Subgroup 7.8		Core Spray Component Weld HAZ Type 304 SS HAZ Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi												
FAT		1.00	0	**8**	0	0	2.63	0	3	5	2.75	0	2	6
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.50	0	4	4
FR		1.25	0	**6**	2	0	2.50	0	4	4	2.13	0	7	1
SCC		2.38	0	0	**5**	3	3.00	0	0	8	2.88	0	1	7
SCC-HWC	X	1.50	0	**5**	2	1	2.75	0	2	6	2.63	0	3	5
Subgroup 7.9		LPCI Components Type 304 SS Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi												
FAT		1.00	0	**8**	0	0	2.63	0	3	5	2.75	0	2	6
FAT-HWC		0.88	1	**7**	0	0	2.63	0	3	5	2.50	0	4	4
FR		0.75	2	**6**	0	0	2.75	0	2	6	2.50	0	4	4
SCC		1.38	0	**5**	3	0	2.88	0	1	7	2.88	0	1	7
SCC-HWC		1.29	0	**5**	2	0	2.71	0	2	5	2.71	0	2	5

* Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

7 Reactor Coolant System

ECCS Connections

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 7.10		LPCI Component Weld Metal Type 308/L Weld Metal Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.50	0	4	4
FR		1.13	0	**7**	1	0	2.25	0	6	2	2.13	0	7	1
SCC		1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
SCC-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.63	0	3	5
Subgroup 7.11		LPCI Component Weld HAZ Type 304 SS HAZ Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 533°F, 1059 psi												
FAT		1.00	0	**8**	0	0	2.63	0	3	5	2.75	0	2	6
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.50	0	4	4
FR		1.13	0	**7**	1	0	2.50	0	4	4	2.13	0	7	1
SCC		2.38	0	0	**5**	3	3.00	0	0	8	3.00	0	0	8
SCC-HWC	X	1.50	0	**5**	2	1	2.75	0	2	6	2.63	0	3	5

* Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

8 Reactor Coolant System

Steam Separator & Dryer

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 8.1		Steam Separator and Dryer Assembly 304SS Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 550°F, 1045 psi, wet steam												
FAT	*	1.88	0	2	**5**	1	2.75	0	2	6	2.25	1	4	3
SCC	X	1.63	0	**4**	3	1	3.00	0	0	8	2.88	0	1	7
Subgroup 8.2		Steam Separator and Dryer Assembly Welds Type 308/L Weld Metal Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 550°F, 1045 psi, wet steam												
FAT	*	1.88	0	2	**5**	1	2.75	0	2	6	2.50	0	4	4
FR		1.13	0	**7**	1	0	2.25	0	6	2	2.13	0	7	1
SCC	X	1.38	0	**6**	1	1	3.00	0	0	8	3.00	0	0	8
Subgroup 8.3		Steam Separator & Dryer Assembly Weld HAZ 304SS HAZ Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 550°F, 1045 psi, wet steam												
FAT	*	2.00	0	2	**4**	2	2.75	0	2	6	2.38	0	5	3
FR		1.25	0	**6**	2	0	2.50	0	4	4	2.13	0	7	1
SCC		2.38	0	0	**5**	3	3.00	0	0	8	2.88	0	1	7
Subgroup 8.4		Steam Separator and Dryer Assembly ASTM A193, Gr. B8 Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 550°F, 1045 psi, wet steam												
FAT		1.25	0	**6**	2	0	2.63	0	3	5	2.50	0	4	4
FR		1.13	0	**7**	1	0	2.38	0	5	3	2.25	0	6	2
SCC	X	1.38	0	**6**	1	1	2.75	0	2	6	2.63	0	3	5
Subgroup 8.5		Steam Separator Guide Pin 304 SS Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 550°F, 1045 psi, wet steam												
FAT		1.38	0	**5**	3	0	2.63	0	3	5	2.63	0	3	5
FR		1.00	0	**8**	0	0	2.50	0	4	4	2.38	0	5	3
SCC	X	1.50	0	**5**	2	1	3.00	0	0	8	3.00	0	0	8

* Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

8 Reactor Coolant System

Steam Separator & Dryer

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 8.6		RCIC Head Spray Nozzle 304 SS Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) 550°F, 1045 psi, wet steam												
FAT		1.25	0	**6**	2	0	2.63	0	3	5	2.63	0	3	5
FR		1.00	0	**8**	0	0	2.50	0	4	4	2.38	0	5	3
SCC	X	1.38	0	**6**	1	1	2.88	0	1	7	2.88	0	1	7

✱ Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

9 Reactor Coolant System

Reactor Recirculation System

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 9.1		All Stainless Steel Components External Surfaces When at <150°C Normally Dry When at Low Temp												
PIT		0.88	1	**7**	0	0	2.88	0	1	7	2.75	0	2	6
SCC		0.88	1	**7**	0	0	3.00	0	0	8	2.88	0	1	7
Subgroup 9.2		LAS, SA-508 Cl.2 (Forged Ring) 550°F, 1265 psia (design) Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) CUF 0.48 w env effect												
CREV	*	0.88	2	**5**	1	0	2.88	0	1	7	2.88	0	1	7
FAT		1.50	0	4	**4**	0	2.75	0	2	6	2.63	0	3	5
FAT-HWC		1.13	1	**5**	2	0	2.63	0	3	5	2.75	0	2	6
FR		1.00	0	**8**	0	0	2.63	0	3	5	2.38	0	5	3
SCC	X	1.38	0	**6**	1	1	3.00	0	0	8	2.88	0	1	7
SCC-HWC		0.88	1	**7**	0	0	2.88	0	1	7	2.88	0	1	7
Subgroup 9.3		LAS, SA-508 Cl.2 HAZ 550°F, 1265 psia (design) Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) CUF 0.48 w env effect												
CREV	*	0.75	3	**4**	1	0	2.88	0	1	7	2.88	0	1	7
FAT		1.50	0	4	**4**	0	2.75	0	2	6	2.63	0	3	5
FAT-HWC		1.13	1	**5**	2	0	2.63	0	3	5	2.75	0	2	6
FR		1.00	0	**8**	0	0	2.50	0	4	4	2.38	0	5	3
SCC	X	1.63	0	**4**	3	1	3.00	0	0	8	2.88	0	1	7
SCC-HWC		0.86	1	**6**	0	0	2.86	0	1	6	2.86	0	1	6

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X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

9 Reactor Coolant System

Reactor Recirculation System

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 9.4		Dissimilar metal welds LAS to SS 308 550°F, 1265 psia (design) Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl) CUF 0.48 w env effect												
FAT		1.50	0	4	**4**	0	2.75	0	2	6	2.75	0	2	6
FAT-HWC		1.25	1	**4**	3	0	2.63	0	3	5	2.63	0	3	5
FR		1.13	0	**7**	1	0	2.50	0	4	4	2.38	0	5	3
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.88	0	1	7
SCC-HWC		0.88	1	**7**	0	0	2.88	0	1	7	2.88	0	1	7
Subgroup 9.5		Safe-end, SS 316NG 550°F, 1265 psia (design) Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl)												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.75	0	2	6
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.63	0	3	5
FR		1.13	0	**7**	1	0	2.50	0	4	4	2.25	0	6	2
SCC	X	1.25	0	**7**	0	1	3.00	0	0	8	3.00	0	0	8
SCC-HWC	*	0.88	2	**5**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 9.6		316 HAZ 550°F, 1265 psia (design) Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl)												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.63	0	3	5
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.63	0	3	5
FR		1.25	0	**6**	2	0	2.50	0	4	4	2.13	0	7	1
SCC		2.38	0	0	**5**	3	3.00	0	0	8	2.88	0	1	7
SCC-HWC		1.38	0	**5**	3	0	2.75	0	2	6	2.75	0	2	6

* Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

9 Reactor Coolant System

Reactor Recirculation System

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 9.7		Welds SS 308 550°F, 1265 psia (design) Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl)												
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.63	0	3	5
FR		1.00	0	**8**	0	0	2.50	0	4	4	2.25	0	6	2
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.88	0	1	7
SCC-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 9.8		Straight pipe SS Type 316 550°F, 1265 psia (design) Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl)												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.63	0	3	5
SCC	X	1.25	0	**7**	0	1	3.00	0	0	8	3.00	0	0	8
SCC-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 9.9		HAZ 304 550°F, 1265 psia (design) Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl)												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.63	0	3	5
FR		1.33	0	**4**	2	0	2.50	0	3	3	2.17	0	5	1
SCC		2.50	0	0	4	**4**	3.00	0	0	8	3.00	0	0	8
SCC-HWC	X	1.38	0	**6**	1	1	2.75	0	2	6	2.75	0	2	6
Subgroup 9.10		Straight pipe SS Type 304 550°F, 1265 psia (design) Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl)												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.63	0	3	5
SCC	X	1.25	0	**7**	0	1	3.00	0	0	8	3.00	0	0	8
SCC-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6

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X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

9 Reactor Coolant System

Reactor Recirculation System

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 9.11		Elbows SS Type 304 550°F, 1265 psia (design) Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl)												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.63	0	3	5
SCC	X	1.38	0	**6**	1	1	3.00	0	0	8	3.00	0	0	8
SCC-HWC		1.13	1	**5**	2	0	2.75	0	2	6	2.75	0	2	6
Subgroup 9.12		Tee SS Type 304 550°F, 1265 psia (design) Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl)												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.75	0	2	6
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.63	0	3	5
SCC	X	1.38	0	**6**	1	1	3.00	0	0	8	3.00	0	0	8
SCC-HWC		1.13	1	**5**	2	0	2.75	0	2	6	2.75	0	2	6
Subgroup 9.13		Socket Welds SS 308 on 304 and 316 550°F, 1265 psia (design) Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl)												
CREV	*	1.00	1	**6**	1	0	2.88	0	1	7	2.88	0	1	7
FAT		2.50	0	0	4	**4**	2.88	0	1	7	2.50	0	4	4
FAT-HWC		2.25	0	0	**6**	2	2.75	0	2	6	2.50	0	4	4
SCC		2.13	0	0	**7**	1	3.00	0	0	8	2.88	0	1	7
SCC-HWC		1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
Subgroup 9.14		Flange SA 182, GR F316 550 F, 1265 psia (design) Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl)												
CREV		0.88	1	**7**	0	0	2.88	0	1	7	2.88	0	1	7
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC		1.13	1	**5**	2	0	2.63	0	3	5	2.63	0	3	5
SCC	X	1.25	0	**7**	0	1	2.88	0	1	7	2.88	0	1	7
SCC-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6

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X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

9 Reactor Coolant System

Reactor Recirculation System

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 9.15	Cast SS CF-8 and CF-8M 550 F, 1265 psia (design) Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl)													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC		1.13	1	**5**	2	0	2.63	0	3	5	2.63	0	3	5
FR		1.25	0	**6**	2	0	2.63	0	3	5	2.25	0	6	2
SCC		1.25	0	**6**	2	0	2.75	0	2	6	2.38	1	3	4
SCC-HWC		1.13	1	**5**	2	0	2.63	0	3	5	2.50	1	2	5
Subgroup 9.16	Reducing Branch SS 304 550 F, 1265 psia (design) Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl)													
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.63	0	3	5
SCC	X	1.25	0	**7**	0	1	3.00	0	0	8	3.00	0	0	8
SCC-HWC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 9.17	Cap SS 304, 308/L Weld, and HAZ 550 F, 1265 psia (design) Reactor Water (<0.15 uS/cm, <5 ppb SO4/Cl)													
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
FAT-HWC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.63	0	3	5
FR		1.25	0	**6**	2	0	2.63	0	3	5	2.25	0	6	2
SCC		1.75	0	2	**6**	0	2.88	0	1	7	2.88	0	1	7
SCC-HWC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 9.18	Pump Casing Bolting SA 193 GR B7 External Drywell Containment													
CREV		0.88	1	**7**	0	0	2.63	0	3	5	2.63	0	3	5
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
SCC		0.88	1	**7**	0	0	2.88	0	1	7	2.88	0	1	7

* Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

10 Emergency Core Cooling System

Low Pressure Core Spray

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 10.1	Various elbows, flanges, & pipe (base metal) Primary & secondary containment SA105,106,216,234 - Carbon Steel Suppression pool water for cooling, typically <100°F													
CREV		1.88	0	1	**7**	0	2.75	0	2	6	2.88	0	1	7
FAT		1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
GC		1.25	0	**6**	2	0	2.75	0	2	6	2.88	0	1	7
MIC		2.00	0	0	**8**	0	2.88	0	1	7	2.88	0	1	7
PIT		1.88	0	1	**7**	0	2.75	0	2	6	2.88	0	1	7
SCC		1.13	0	**7**	1	0	2.88	0	1	7	2.75	0	2	6
Subgroup 10.2	Welds and HAZ in various elbows, flanges, & pipe Primary & secondary containment SA105,106,216,234 - Carbon Steel Suppression pool water for cooling, typically <100°F													
CREV		1.88	0	1	**7**	0	2.75	0	2	6	2.88	0	1	7
FAT		1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
GC		1.25	0	**6**	2	0	2.75	0	2	6	2.88	0	1	7
MIC		2.00	0	0	**8**	0	2.88	0	1	7	2.88	0	1	7
PIT		1.88	0	1	**7**	0	2.75	0	2	6	2.88	0	1	7
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6
Subgroup 10.3	Weldolets and Sockolets SA105,106,234 - Carbon Steel & Weld Suppression pool water for cooling, typically <100°F													
CREV		1.88	0	1	**7**	0	2.75	0	2	6	2.88	0	1	7
FAT		1.00	0	**8**	0	0	2.63	0	3	5	2.75	0	2	6
GC		1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
MIC		2.00	0	0	**8**	0	2.88	0	1	7	2.88	0	1	7
PIT		1.88	0	1	**7**	0	2.75	0	2	6	2.88	0	1	7
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6

✱ Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

10 Emergency Core Cooling System

Low Pressure Core Spray

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 10.4		Valves SA105,106,216,234 - Carbon Steel Suppression pool water for cooling, typically <100°F												
CREV		1.88	0	1	**7**	0	2.75	0	2	6	2.88	0	1	7
FAT		1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
GC		1.25	0	**6**	2	0	2.75	0	2	6	2.88	0	1	7
MIC		2.00	0	0	**8**	0	2.88	0	1	7	2.88	0	1	7
PIT		1.88	0	1	**7**	0	2.75	0	2	6	2.88	0	1	7
SCC		1.13	0	**7**	1	0	2.88	0	1	7	2.75	0	2	6
Subgroup 10.5		Flange & Bolts at strainer Carbon Steel (including higher strength bolts) in galvanic contact with SS Suppression pool water for cooling, typically <100°F												
CREV		2.13	0	0	**7**	1	2.75	0	2	6	2.88	0	1	7
FAT		1.13	0	**7**	1	0	2.75	0	2	6	3.00	0	0	8
GC	X	1.50	0	**5**	2	1	2.75	0	2	6	2.88	0	1	7
MIC		2.00	0	0	**8**	0	2.88	0	1	7	2.88	0	1	7
PIT		1.88	0	1	**7**	0	2.75	0	2	6	2.88	0	1	7
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6
Subgroup 10.6		Strainer & Flange Parts Type 304 SS Suppression pool water for cooling, typically <100°F												
CREV		1.75	0	2	**6**	0	2.75	0	2	6	2.88	0	1	7
FAT		1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
MIC		2.00	0	0	**8**	0	2.88	0	1	7	2.88	0	1	7
PIT		2.00	0	0	**8**	0	2.75	0	2	6	2.88	0	1	7
SCC		1.00	0	**8**	0	0	3.00	0	0	8	2.88	0	1	7

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

10 Emergency Core Cooling System

Low Pressure Core Spray

	Susceptibility					Confidence				Knowledge			
	Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 10.7	Various elbows, flanges, & pipe (base metal) Primary & secondary containment SA106,234 - Carbon Steel 100-550°F stagnant reactor water												
CREV	1.25	0	**6**	2	0	2.75	0	2	6	2.88	0	1	7
FAT	1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
FAT-HWC	1.13	0	**7**	1	0	2.63	0	3	5	2.75	0	2	6
MIC	1.25	0	**6**	2	0	2.50	0	4	4	2.63	0	3	5
PIT	1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
SCC	1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6
SCC-HWC	1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 10.8	Welds and HAZ in various elbows, flanges, & pipe Primary & secondary containment SA106,234 - Carbon Steel 100-550°F stagnant reactor water												
CREV	1.25	0	**6**	2	0	2.75	0	2	6	2.88	0	1	7
FAT	1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
FAT-HWC	1.13	0	**7**	1	0	2.63	0	3	5	2.75	0	2	6
MIC	1.25	0	**6**	2	0	2.50	0	4	4	2.63	0	3	5
PIT	1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
SCC	1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6
SCC-HWC	1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 10.9	Valves SA105,106,216,234 - Carbon Steel 100-200°F stagnant reactor water HWC unimportant here (low temp)												
CREV	1.25	0	**6**	2	0	2.75	0	2	6	2.88	0	1	7
FAT	1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
MIC	1.50	0	4	**4**	0	2.75	0	2	6	2.88	0	1	7
PIT	1.75	0	2	**6**	0	2.75	0	2	6	2.88	0	1	7
SCC	1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7

✱ Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

10 Emergency Core Cooling System

Low Pressure Core Spray

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 10.10		LPCS Pump Parts A106,A516 Carbon & Low Alloy Steels Suppression pool water for cooling, typically <100°F												
	CREV	1.88	0	1	**7**	0	2.75	0	2	6	2.88	0	1	7
	FAT	1.00	0	**8**	0	0	2.88	0	1	7	3.00	0	0	8
	GC	1.25	0	**6**	2	0	2.75	0	2	6	2.88	0	1	7
	MIC	2.00	0	0	**8**	0	2.88	0	1	7	2.88	0	1	7
	PIT	1.88	0	1	**7**	0	2.75	0	2	6	2.88	0	1	7
	SCC	1.13	0	**7**	1	0	2.88	0	1	7	2.75	0	2	6

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

11 Emergency Core Cooling System

High Pressure Core Spray - SP Water

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 11.1	Various elbows, flanges, & pipe (base metal) Primary & secondary containment SA105,106,216,234 - Carbon Steel Suppression pool water for cooling, typically <100°F													
CREV		1.88	0	1	**7**	0	2.75	0	2	6	2.88	0	1	7
FAT		1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
GC		1.25	0	**6**	2	0	2.75	0	2	6	2.88	0	1	7
MIC		2.00	0	0	**8**	0	2.88	0	1	7	2.88	0	1	7
PIT		1.88	0	1	**7**	0	2.75	0	2	6	2.88	0	1	7
SCC		1.13	0	**7**	1	0	2.88	0	1	7	2.75	0	2	6
Subgroup 11.2	Welds and HAZ in various elbows, flanges, & pipe Primary & secondary containment SA105,106,216,234 - Carbon Steel Weld Metal Suppression pool water for cooling, typically <100°F													
CREV		1.88	0	1	**7**	0	2.75	0	2	6	2.88	0	1	7
FAT		1.00	0	**8**	0	0	2.88	0	1	7	3.00	0	0	8
GC		1.25	0	**6**	2	0	2.75	0	2	6	2.88	0	1	7
MIC		2.00	0	0	**8**	0	2.88	0	1	7	2.88	0	1	7
PIT		1.88	0	1	**7**	0	2.75	0	2	6	2.88	0	1	7
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6
Subgroup 11.3	Weldolets and Sockolets SA105,106,234 - Carbon Steel Base & Weld Suppression pool water for cooling, typically <100°F													
CREV		1.88	0	1	**7**	0	2.75	0	2	6	2.88	0	1	7
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.88	0	1	7
GC		1.25	0	**6**	2	0	2.75	0	2	6	2.88	0	1	7
MIC		2.00	0	0	**8**	0	2.88	0	1	7	2.88	0	1	7
PIT		1.88	0	1	**7**	0	2.75	0	2	6	2.88	0	1	7
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

11 Emergency Core Cooling System

High Pressure Core Spray - SP Water

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 11.4	Valves SA105,106,216,234 - Carbon Steel Suppression pool water for cooling, typically <100°F													
CREV		1.88	0	1	**7**	0	2.75	0	2	6	2.88	0	1	7
FAT		1.00	0	**8**	0	0	2.88	0	1	7	3.00	0	0	8
GC		1.25	0	**6**	2	0	2.75	0	2	6	2.88	0	1	7
MIC		2.00	0	0	**8**	0	2.88	0	1	7	2.88	0	1	7
PIT		1.88	0	1	**7**	0	2.75	0	2	6	2.88	0	1	7
SCC		1.13	0	**7**	1	0	2.88	0	1	7	2.75	0	2	6
Subgroup 11.5	Various elbows, flanges, & pipe (base metal) Primary & secondary containment SA106,234 - Carbon Steel 100-550°F stagnant reactor water													
CREV		1.38	0	**5**	3	0	2.88	0	1	7	2.88	0	1	7
FAT		1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
FAT-HWC		1.13	0	**7**	1	0	2.63	0	3	5	2.75	0	2	6
MIC		1.38	0	**5**	3	0	2.50	0	4	4	2.63	0	3	5
PIT		1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6
SCC-HWC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 11.6	Welds and HAZ in various elbows, flanges, & pipe Primary & secondary containment SA106,234 - Carbon Steel 100-550°F stagnant reactor water													
CREV		1.38	0	**5**	3	0	2.88	0	1	7	2.88	0	1	7
FAT		1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
FAT-HWC		1.13	0	**7**	1	0	2.63	0	3	5	2.75	0	2	6
MIC		1.38	0	**5**	3	0	2.50	0	4	4	2.63	0	3	5
PIT		1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6
SCC-HWC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

11 Emergency Core Cooling System

High Pressure Core Spray - SP Water

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 11.7		HPCS Pump Parts A106,A516 Carbon & Low Alloy Steels Suppression pool water for cooling, typically <100°F												
	CREV	1.88	0	1	**7**	0	2.75	0	2	6	2.88	0	1	7
	FAT	1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
	GC	1.25	0	**6**	2	0	2.75	0	2	6	2.88	0	1	7
	MIC	2.00	0	0	**8**	0	2.88	0	1	7	2.88	0	1	7
	PIT	1.88	0	1	**7**	0	2.75	0	2	6	2.88	0	1	7
	SCC	1.13	0	**7**	1	0	2.88	0	1	7	2.75	0	2	6

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

11A Emergency Core Cooling System

HPCS - CST Water (OTHER PLANT)

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 11A.1		Various elbows, flanges, & pipe (base metal) Primary & secondary containment SA105,106,216,234 - Carbon Steel Condensate storage water for cooling, typ. <100°F												
CREV	*	2.00	0	1	**5**	1	2.71	0	2	5	2.71	0	2	5
FAT		1.00	0	**7**	0	0	2.86	0	1	6	3.00	0	0	7
GC	X	1.57	0	**4**	2	1	2.71	0	2	5	2.71	0	2	5
MIC	*	1.86	0	2	**4**	1	2.71	0	2	5	2.71	0	2	5
PIT	*	2.00	0	1	**5**	1	2.86	0	1	6	2.71	0	2	5
SCC		1.29	0	**5**	2	0	2.86	0	1	6	2.71	0	2	5
Subgroup 11A.2		Welds and HAZ in various elbows, flanges, & pipe Primary & secondary containment SA105,106,216,234 - Carbon Steel Weld Metal Condensate storage water for cooling, typ. <100°F												
CREV	*	2.00	0	1	**5**	1	2.71	0	2	5	2.71	0	2	5
FAT		1.00	0	**7**	0	0	3.00	0	0	7	3.00	0	0	7
GC	X	1.57	0	**4**	2	1	2.71	0	2	5	2.71	0	2	5
MIC	*	1.86	0	2	**4**	1	2.71	0	2	5	2.71	0	2	5
PIT	*	2.00	0	1	**5**	1	2.86	0	1	6	2.71	0	2	5
SCC	X	1.43	0	**5**	1	1	2.86	0	1	6	2.71	0	2	5
Subgroup 11A.3		Weldolets and Sockolets SA105,106,234 - Carbon Steel Base & Weld Condensate storage water for cooling, typ. <100°F												
CREV		1.86	0	1	**6**	0	2.71	0	2	5	2.71	0	2	5
FAT		1.00	0	**7**	0	0	2.86	0	1	6	3.00	0	0	7
GC		1.43	0	**4**	3	0	2.71	0	2	5	2.71	0	2	5
MIC		1.71	0	2	**5**	0	2.71	0	2	5	2.71	0	2	5
PIT		1.86	0	1	**6**	0	2.86	0	1	6	2.71	0	2	5
SCC		1.29	0	**5**	2	0	2.86	0	1	6	2.71	0	2	5

* Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

11A Emergency Core Cooling System

HPCS - CST Water (OTHER PLANT)

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 11A.4	Valves SA105,106,216,234 - Carbon Steel Condensate storage water for cooling, typ. <100°F													
	CREV *	2.00	0	1	**5**	1	2.71	0	2	5	2.71	0	2	5
	FAT	1.00	0	**7**	0	0	3.00	0	0	7	3.00	0	0	7
	GC	1.43	0	**4**	3	0	2.71	0	2	5	2.71	0	2	5
	MIC	1.71	0	2	**5**	0	2.71	0	2	5	2.71	0	2	5
	PIT	1.86	0	1	**6**	0	2.86	0	1	6	2.71	0	2	5
	SCC	1.29	0	**5**	2	0	2.86	0	1	6	2.71	0	2	5
Subgroup 11A.5	Various elbows, flanges, & pipe (base metal) Primary & secondary containment SA106,234 - Carbon Steel 100-550°F stagnant reactor water													
	CREV	1.38	0	**5**	3	0	2.88	0	1	7	2.88	0	1	7
	FAT	1.14	0	**6**	1	0	2.71	0	2	5	2.86	0	1	6
	FAT-HWC	1.14	0	**6**	1	0	2.71	0	2	5	2.71	0	2	5
	MIC	1.25	0	**6**	2	0	2.63	0	3	5	2.75	0	2	6
	PIT	1.71	0	2	**5**	0	2.86	0	1	6	2.86	0	1	6
	SCC	1.29	0	**5**	2	0	2.86	0	1	6	2.71	0	2	5
	SCC-HWC	1.14	0	**6**	1	0	2.71	0	2	5	2.71	0	2	5
Subgroup 11A.6	Welds and HAZ in various elbows, flanges, & pipe Primary & secondary containment SA106,234 - Carbon Steel 100-550°F stagnant reactor water													
	CREV	1.38	0	**5**	3	0	2.88	0	1	7	2.88	0	1	7
	FAT	1.14	0	**6**	1	0	2.71	0	2	5	2.86	0	1	6
	FAT-HWC	1.14	0	**6**	1	0	2.71	0	2	5	2.71	0	2	5
	MIC	1.25	0	**6**	2	0	2.63	0	3	5	2.75	0	2	6
	PIT	1.71	0	2	**5**	0	2.86	0	1	6	2.86	0	1	6
	SCC	1.29	0	**5**	2	0	2.86	0	1	6	2.71	0	2	5
	SCC-HWC	1.14	0	**6**	1	0	2.71	0	2	5	2.71	0	2	5

* Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

11A Emergency Core Cooling System

HPCS - CST Water (OTHER PLANT)

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 11A.7		HPCS Pump Parts A106,A516 Carbon & Low Alloy Steels Condensate storage water for cooling, typ. <100°F												
CREV	*	2.00	0	1	**5**	1	2.71	0	2	5	2.71	0	2	5
FAT		1.00	0	**7**	0	0	2.86	0	1	6	3.00	0	0	7
GC	X	1.57	0	**4**	2	1	2.71	0	2	5	2.71	0	2	5
MIC	*	1.71	0	3	**3**	1	2.71	0	2	5	2.71	0	2	5
PIT	*	1.86	0	2	**4**	1	2.71	0	2	5	2.71	0	2	5
SCC		1.29	0	**5**	2	0	2.86	0	1	6	2.71	0	2	5
Subgroup 11A.8		Various elbows, flanges, & pipe (base metal) Primary & secondary containment Type 304 SS Base Metal Condensate storage water for cooling, typ. <100°F												
FAT		1.00	0	**7**	0	0	2.86	0	1	6	3.00	0	0	7
MIC		1.43	0	**4**	3	0	2.71	0	2	5	2.71	0	2	5
SCC		1.14	0	**6**	1	0	3.00	0	0	7	2.86	0	1	6
Subgroup 11A.9		Welds and HAZ in various elbows, flanges, & pipe Primary & secondary containment Type 304 SS Weld Metal & HAZ Condensate storage water for cooling, typ. <100°F												
FAT		1.00	0	**7**	0	0	3.00	0	0	7	3.00	0	0	7
MIC		1.29	0	**5**	2	0	2.71	0	2	5	2.71	0	2	5
SCC		1.29	0	**5**	2	0	3.00	0	0	7	2.86	0	1	6

* Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

12 Auxiliary System

Reactor Core Isolation Cooling

	Susceptibility					Confidence				Knowledge			
	Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 12.1	Various elbows, flanges, & pipe (base metal) Primary & secondary containment SA105,106,234 - Carbon Steel 547°F, 1020 psia												
FAT	1.75	0	2	**6**	0	2.88	0	1	7	2.00	0	8	0
GC	1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
PIT	1.25	0	**6**	2	0	2.13	0	7	1	2.13	0	7	1
SCC	1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
Subgroup 12.2	Welds and HAZ in various elbows, flanges, & pipe Primary & secondary containment SA105,106,234 - Carbon Steel Weld Metal 547°F, 1020 psia												
FAT	1.63	0	3	**5**	0	3.00	0	0	8	2.13	0	7	1
GC	1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
PIT	1.25	0	**6**	2	0	2.13	0	7	1	2.13	0	7	1
SCC	1.50	0	4	**4**	0	2.63	0	3	5	2.88	0	1	7
Subgroup 12.3	Weldolets and Sockolets SA105 - Carbon Steel Base & Weld Stagnant Wet Steam - HWC not beneficial 547°F, 1020 psia												
FAT *	2.00	0	1	**6**	1	2.88	0	1	7	2.25	0	6	2
GC	1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
PIT	1.25	0	**6**	2	0	2.13	0	7	1	2.13	0	7	1
SCC	1.50	0	4	**4**	0	2.75	0	2	6	2.88	0	1	7
Subgroup 12.4	Various elbows, flanges, & pipe (base metal) Primary & secondary containment SA105,106,216,234 - Carbon Steel 547°F, 1020 psia												
FAT	1.00	0	**8**	0	0	3.00	0	0	8	2.13	0	7	1
GC	1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
PIT	1.25	0	**6**	2	0	2.63	0	3	5	2.75	0	2	6
SCC	1.13	0	**7**	1	0	2.63	0	3	5	2.88	0	1	7

* Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

12 Auxiliary System

Reactor Core Isolation Cooling

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 12.5	Welds and HAZ in various elbows, flanges, & pipe Primary & secondary containment SA105,106,216,234 - Carbon Steel Weld Metal 547°F, 1020 psia													
CREV		1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
FAT		1.00	0	**8**	0	0	3.00	0	0	8	2.13	0	7	1
GC		1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
SCC		1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
Subgroup 12.6	Valves SA216 - Carbon Steel Stagnant Steam Condensate - HWC not beneficial 250- 547°F, 1020 psia													
CREV		1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
FAT		1.00	0	**8**	0	0	2.88	0	1	7	2.00	0	8	0
GC		1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
PIT		1.25	0	**6**	2	0	2.63	0	3	5	2.75	0	2	6
SCC		1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
Subgroup 12.7	Various elbows, flanges, & pipe (base metal) Primary & secondary containment SA105,106,216,234 - Carbon Steel Stag. condensate water, typ. <100°F, 20-40 psia													
CREV		1.25	0	**6**	2	0	2.88	0	1	7	2.88	0	1	7
GC		1.75	0	2	**6**	0	2.88	0	1	7	2.88	0	1	7
MIC		1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
PIT		1.13	0	**7**	1	0	2.13	0	7	1	2.13	0	7	1
SCC		1.13	0	**7**	1	0	2.63	0	3	5	2.88	0	1	7

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

12 Auxiliary System

Reactor Core Isolation Cooling

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 12.8	Welds and HAZ in various elbows, flanges, & pipe Primary & secondary containment SA105,106,216,234 - Carbon Steel Weld metal Stag. condensate water, typ. <100°F, 20-40 psia													
CREV		1.25	0	**6**	2	0	2.88	0	1	7	2.88	0	1	7
GC		1.88	0	1	**7**	0	2.88	0	1	7	2.88	0	1	7
MIC		1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
PIT		1.13	0	**7**	1	0	2.13	0	7	1	2.13	0	7	1
SCC		1.13	0	**7**	1	0	2.25	0	6	2	2.88	0	1	7
Subgroup 12.9	Weldolets, Sockolets and Tees SA105,106,234 - Carbon Steel Base & Weld Stagnant condensate storage water, typically <100°F, 20-40 psia													
FAT		1.50	0	4	**4**	0	2.25	1	4	3	2.00	0	8	0
GC		1.75	0	2	**6**	0	2.88	0	1	7	2.88	0	1	7
MIC		1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
PIT		1.13	0	**7**	1	0	2.13	0	7	1	2.13	0	7	1
SCC		1.13	0	**7**	1	0	2.13	0	7	1	2.88	0	1	7
Subgroup 12.10	Valves SA216 - Carbon Steel Stagnant condensate storage water, typically <100°F, 20-40 psia													
CREV		1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
GC		1.75	0	2	**6**	0	2.88	0	1	7	2.88	0	1	7
MIC		1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
PIT		1.13	0	**7**	1	0	2.13	0	7	1	2.13	0	7	1
SCC		1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

12 Auxiliary System

Reactor Core Isolation Cooling

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 12.11	Low alloy steel pump casing A516 Gr 70 Stagnant condensate storage water, typically <100°F, 20-40 psia													
	FAT	1.00	0	**8**	0	0	3.00	0	0	8	3.00	0	0	8
	GC	1.75	0	2	**6**	0	2.88	0	1	7	2.88	0	1	7
	MIC	1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
	PIT	1.13	0	**7**	1	0	2.13	0	7	1	2.13	0	7	1
	SCC	1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
Subgroup 12.12	Various elbows, flanges, & pipe (base metal) in primary & secondary containment SA105,106,216,234 - Carbon Steel Suppression pool water for cooling, typically <100°F and atmospheric pressure													
	FAT	1.00	0	**8**	0	0	3.00	0	0	8	3.00	0	0	8
	GC	1.88	0	1	**7**	0	2.88	0	1	7	2.88	0	1	7
	MIC	2.00	0	0	**8**	0	2.88	0	1	7	2.88	0	1	7
	PIT	2.00	0	0	**8**	0	2.13	0	7	1	2.13	0	7	1
	SCC	1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6
Subgroup 12.13	Welds and HAZ in various elbows, flanges, & pipe in primary & secondary containment SA105,106,216,234 - Carbon Steel Weld metal Suppression pool water for cooling, typically <100°F and atmospheric pressure													
	FAT	1.00	0	**8**	0	0	3.00	0	0	8	3.00	0	0	8
	GC	1.88	0	1	**7**	0	2.88	0	1	7	2.88	0	1	7
	MIC	2.00	0	0	**8**	0	2.88	0	1	7	2.88	0	1	7
	PIT	1.88	0	1	**7**	0	2.13	0	7	1	2.13	0	7	1
	SCC	1.25	0	**6**	2	0	2.13	0	7	1	2.75	0	2	6

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

12 Auxiliary System

Reactor Core Isolation Cooling

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 12.14	Weldolets and Sockolets SA105,106,234 - Carbon Steel Base & Weld Suppression pool water for cooling, typically <100°F and atmospheric pressure													
FAT		1.13	0	**7**	1	0	2.38	0	5	3	2.25	0	6	2
GC		1.88	0	1	**7**	0	2.88	0	1	7	2.88	0	1	7
MIC		1.88	0	1	**7**	0	2.88	0	1	7	2.88	0	1	7
PIT		1.88	0	1	**7**	0	2.13	0	7	1	2.13	0	7	1
SCC		1.25	0	**6**	2	0	2.13	0	7	1	2.75	0	2	6
Subgroup 12.15	Valves SA216 - Carbon Steel Suppression pool water for cooling, typically <100°F and atmospheric pressure													
CREV *		2.00	0	1	**6**	1	2.25	0	6	2	2.88	0	1	7
FAT		1.00	0	**8**	0	0	3.00	0	0	8	3.00	0	0	8
GC		1.88	0	1	**7**	0	2.88	0	1	7	2.88	0	1	7
MIC		1.88	0	1	**7**	0	2.88	0	1	7	2.88	0	1	7
PIT		2.00	0	0	**8**	0	2.13	0	7	1	2.13	0	7	1
SCC		1.13	0	**7**	1	0	2.13	0	7	1	2.75	0	2	6
Subgroup 12.16	RCIC Strainer Flange & misc. components 304 SS Suppression pool water for cooling, typically <100°F and atmospheric pressure													
CREV		1.88	0	1	**7**	0	2.13	0	7	1	2.88	0	1	7
FAT		1.00	0	**8**	0	0	3.00	0	0	8	3.00	0	0	8
GC		1.00	0	**8**	0	0	3.00	0	0	8	3.00	0	0	8
MIC		2.00	0	0	**8**	0	2.88	0	1	7	2.88	0	1	7
PIT		2.00	0	0	**8**	0	2.13	0	7	1	2.13	0	7	1
SCC		1.13	0	**7**	1	0	3.00	0	0	8	2.88	0	1	7

* Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

13 Engineered Safety Feature System

RHR Suction Line Piping to RHR Pumps

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 13.1	All Stainless Steel Components External Surfaces When at <150°C Normally less than 90 °F. Possible as high as 300 °F													
MIC		1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
PIT		1.25	0	**6**	2	0	3.00	0	0	8	2.88	0	1	7
SCC		1.25	0	**6**	2	0	3.00	0	0	8	2.88	0	1	7
Subgroup 13.2	Straight pipes, Elbows, Tee, Valves 304 SS - Weld and Base Metal Reactor Water normally stagnant 549°F, pressure 1035 psia													
FAT		1.25	0	**6**	2	0	2.63	0	3	5	2.88	0	1	7
FAT-HWC		1.13	0	**7**	1	0	2.50	0	4	4	2.63	0	3	5
FR		1.13	0	**7**	1	0	2.63	0	3	5	2.50	0	4	4
SCC		1.38	0	**5**	3	0	2.88	0	1	7	3.00	0	0	8
SCC-HWC		1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
Subgroup 13.3	Weld HAZ 304 SS HAZ Reactor Water normally stagnant 549°F, 1035 psia													
FAT		1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
FAT-HWC		1.13	0	**7**	1	0	2.50	0	4	4	2.63	0	3	5
FR		1.38	0	**5**	3	0	2.63	0	3	5	2.50	0	4	4
SCC		2.13	0	0	**7**	1	2.88	0	1	7	3.00	0	0	8
SCC-HWC		1.25	0	**6**	2	0	2.88	0	1	7	2.88	0	1	7
Subgroup 13.4	Straight pipes, Elbows, Tee, Valves 304 SS Reactor Water normally stagnant 100-350°F, 300 psia. No HWC effect													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	3.00	0	0	8
SCC		1.00	0	**8**	0	0	3.00	0	0	8	2.88	0	1	7

✱ Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

13 Engineered Safety Feature System

RHR Suction Line Piping to RHR Pumps

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 13.5	Welds SS 308 Reactor Water normally stagnant 100-350°F, 300 psia. No HWC effect													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	3.00	0	0	8
SCC		1.00	0	**8**	0	0	3.00	0	0	8	2.88	0	1	7
Subgroup 13.6	Socket welds Reactor Water normally stagnant 100-350°F, 300 psia. No HWC effect													
FAT		1.63	0	3	**5**	0	2.50	0	4	4	2.50	0	4	4
SCC		1.38	0	**5**	3	0	2.88	0	1	7	2.88	0	1	7
Subgroup 13.7	All Carbon Steel Components External Surfaces When at <150°C Normally less than 90 °F. Possible as high as 300 °F													
MIC		1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
PIT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
Subgroup 13.8	Carbon Steel Welds & HAZ Suppression pool water 120-170°F, 20 psia flow rate 7450 gpm NWC water during operation													
CREV		1.50	0	4	**4**	0	2.75	0	2	6	2.88	0	1	7
FAT		1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
GC		1.75	0	2	**6**	0	2.75	0	2	6	2.75	0	2	6
MIC		1.63	0	3	**5**	0	2.75	0	2	6	2.75	0	2	6
PIT		2.00	0	0	**8**	0	2.50	0	4	4	2.50	0	4	4
SCC		1.38	0	**5**	3	0	2.63	0	3	5	2.75	0	2	6

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

13 Engineered Safety Feature System

RHR Suction Line Piping to RHR Pumps

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 13.9	CS Straight pipes, Elbows, Tee, Valves SA234 Gr. WPB Suppression pool water 120-170°F, 20 psia flow rate 7450 gpm													
CREV		1.50	0	4	**4**	0	2.75	0	2	6	2.88	0	1	7
FAT		1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
GC		1.75	0	2	**6**	0	2.75	0	2	6	2.75	0	2	6
MIC		1.63	0	3	**5**	0	2.75	0	2	6	2.75	0	2	6
PIT		2.00	0	0	**8**	0	2.50	0	4	4	2.50	0	4	4
SCC		1.25	0	**6**	2	0	2.63	0	3	5	2.75	0	2	6

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

14 Engineered Safety Feature System

RHR Pump Discharge Piping to RHR HX

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 14.1	All Carbon Steel Components External Surfaces When at <150°C Normally less than 90 °F. Possible as high as 300 °F													
MIC		1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
PIT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
Subgroup 14.2	Pipes, Elbows, Tees, Flanges, Valves Various Carbon Steels 100°F suppression pool water, stagnant. Reactor water flow rate 7450 gpm 125-334°F, 275 psi operating once a cycle													
CREV		1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
FAT		1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
GC		1.63	0	3	**5**	0	2.75	0	2	6	2.75	0	2	6
MIC		1.75	0	2	**6**	0	2.75	0	2	6	2.75	0	2	6
PIT		1.88	0	1	**7**	0	2.63	0	3	5	2.63	0	3	5
SCC		1.38	0	**5**	3	0	2.75	0	2	6	2.75	0	2	6
Subgroup 14.3	Carbon Steel Weld and HAZ 100°F suppression pool water, stagnant Reactor water flow rate 7450 gpm, 125-334°F, 275 psi operating once a cycle													
CREV		1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
FAT		1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
GC		1.63	0	3	**5**	0	2.75	0	2	6	2.75	0	2	6
MIC		1.75	0	2	**6**	0	2.75	0	2	6	2.75	0	2	6
PIT		1.88	0	1	**7**	0	2.63	0	3	5	2.63	0	3	5
SCC		1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

14 Engineered Safety Feature System

RHR Pump Discharge Piping to RHR HX

	Susceptibility					Confidence				Knowledge			
	Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 14.4	Weldolet/Sockolet SA234 Gr. WPB 100°F suppression pool water, stagnant Reactor water flow rate 7450 gpm, 125-334°F, 275 psi operating once a cycle												
CREV	1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
FAT	1.38	0	**5**	3	0	2.63	0	3	5	2.63	0	3	5
GC	1.63	0	3	**5**	0	2.75	0	2	6	2.75	0	2	6
MIC	1.88	0	1	**7**	0	2.75	0	2	6	2.75	0	2	6
PIT	1.88	0	1	**7**	0	2.63	0	3	5	2.63	0	3	5
SCC	1.38	0	**5**	3	0	2.88	0	1	7	2.88	0	1	7
Subgroup 14.5	HX Weld in SS, or CS with 1/8" Clad/overlay 100°F suppression pool water, stagnant Reactor water flow rate 7450 gpm, 125-334°F, 275 psi operating once a cycle												
CREV	1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
FAT	1.13	0	**7**	1	0	2.75	0	2	6	3.00	0	0	8
GC	1.50	0	4	**4**	0	2.75	0	2	6	2.75	0	2	6
MIC	1.88	0	1	**7**	0	2.75	0	2	6	2.75	0	2	6
PIT	1.75	0	2	**6**	0	2.75	0	2	6	2.75	0	2	6
SCC	1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
Subgroup 14.6	Heat exchanger tubes and tubesheet - outside tubes CS w/outside clad of SS 100°F suppression pool water, stagnant. Reactor water flow rate 7450 gpm, 125-334°F, 275 psi operating once a cycle												
FAT	1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
MIC	1.75	0	2	**6**	0	2.75	0	2	6	2.75	0	2	6
PIT	1.63	0	3	**5**	0	2.75	0	2	6	2.75	0	2	6
SCC	1.00	0	**8**	0	0	2.75	0	2	6	2.75	0	2	6

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

14 Engineered Safety Feature System

RHR Pump Discharge Piping to RHR HX

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 14.7		Heat exchanger tubes and tubesheet - inside tubes Carbon Steel Service water (treated) - 100°F												
	CREV	1.50	0	4	**4**	0	2.75	0	2	6	2.88	0	1	7
	FAT	1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
	GC	1.38	0	**5**	3	0	2.63	0	3	5	2.63	0	3	5
	MIC	1.25	0	**6**	2	0	2.63	0	3	5	2.63	0	3	5
	PIT	1.38	0	**5**	3	0	2.63	0	3	5	2.63	0	3	5
	SCC	1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 14.8		HX Fittings Carbon Steel Suppression pool water, stagnant Reactor water flow rate 7450 gpm, 125-334°F, 275 psi operating once a cycle												
	CREV	1.50	0	4	**4**	0	2.75	0	2	6	2.88	0	1	7
	FAT	1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
	GC	1.63	0	3	**5**	0	2.75	0	2	6	2.75	0	2	6
	MIC	1.75	0	2	**6**	0	2.75	0	2	6	2.75	0	2	6
	PIT *	2.00	0	1	**6**	1	2.63	0	3	5	2.63	0	3	5
	SCC	1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
Subgroup 14.9		External heat exchanger support structure Carbon steel Secondary containment atmosphere												
	FAT	1.25	0	**6**	2	0	2.63	0	3	5	2.88	0	1	7
	PIT	1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7

* Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

15 Engineered Safety Feature System

RHR Normal Shutdown Cooling Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 15.1	All Carbon Steel Components External Surfaces When at <150°C Normally less than 90 °F. Possible as high as 300 °F													
MIC		1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
PIT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
Subgroup 15.2	Pipes, Elbows, Tees, Flanges, Valves Various Carbon Steels 100°F suppression pool water, stagnant Reactor water flow rate 7450 gpm, 120-170°F 275/1140 psia													
CREV		1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
FAT		1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
GC		1.63	0	3	**5**	0	2.75	0	2	6	2.75	0	2	6
MIC		1.75	0	2	**6**	0	2.75	0	2	6	2.75	0	2	6
PIT		1.88	0	1	**7**	0	2.63	0	3	5	2.63	0	3	5
SCC		1.38	0	**5**	3	0	2.75	0	2	6	2.75	0	2	6
Subgroup 15.3	Carbon Steel Welds and HAZ 100°F suppression pool water, stagnant. Reactor water flow rate 7450 gpm, 120-170°F 275/1140 psia													
CREV		1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
FAT		1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
GC		1.63	0	3	**5**	0	2.75	0	2	6	2.75	0	2	6
MIC		1.75	0	2	**6**	0	2.75	0	2	6	2.75	0	2	6
PIT		1.88	0	1	**7**	0	2.63	0	3	5	2.63	0	3	5
SCC		1.38	0	**5**	3	0	2.75	0	2	6	2.75	0	2	6
Subgroup 15.4	Carbon Steel - Base Metal, Welds and HAZ Reactor water, stagnant, 550°F, 1140 psia													
FAT		1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
SCC		1.38	0	**5**	3	0	2.75	0	2	6	2.75	0	2	6

✱ Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

15 Engineered Safety Feature System

RHR Normal Shutdown Cooling Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 15.5		Weldolet/ Sockolet CS SA234 Gr. WPB (etc) 100°F suppression pool water, stagnant Reactor water flow rate 7450 gpm, 120-170°F 275/1140 psia												
	CREV	1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
	FAT	1.38	0	**5**	3	0	2.63	0	3	5	2.63	0	3	5
	GC	1.63	0	3	**5**	0	2.75	0	2	6	2.75	0	2	6
	MIC	1.88	0	1	**7**	0	2.75	0	2	6	2.75	0	2	6
	PIT	1.88	0	1	**7**	0	2.63	0	3	5	2.63	0	3	5
	SCC	1.38	0	**5**	3	0	2.88	0	1	7	2.88	0	1	7

✱ Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

16 Engineered Safety Feature System

RHR Spray Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 16.1	All Carbon Steel Components External Surfaces When at <150°C Normally less than 90 °F. Possible as high as 300 °F													
MIC		1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
PIT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
Subgroup 16.2	Pipes, Elbows, Tees, Flanges, Valves Various Carbon Steels - Base Metal and Weld 100°F suppression pool water, stagnant Reactor water flow rate 7450 gpm, 125-334°F, 275 psi operating once a cycle													
CREV		1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
FAT		1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
GC		1.63	0	3	**5**	0	2.75	0	2	6	2.75	0	2	6
MIC		1.75	0	2	**6**	0	2.75	0	2	6	2.75	0	2	6
PIT		1.88	0	1	**7**	0	2.63	0	3	5	2.63	0	3	5
SCC		1.38	0	**5**	3	0	2.75	0	2	6	2.75	0	2	6
Subgroup 16.3	Carbon Steel Weld HAZ 100°F suppression pool water, stagnant Reactor water flow rate 7450 gpm, 125-334°F, 275 psi operating once a cycle													
CREV		1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
FAT		1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
GC		1.63	0	3	**5**	0	2.75	0	2	6	2.75	0	2	6
MIC		1.75	0	2	**6**	0	2.75	0	2	6	2.75	0	2	6
PIT		1.88	0	1	**7**	0	2.63	0	3	5	2.63	0	3	5
SCC		1.38	0	**5**	3	0	2.75	0	2	6	2.75	0	2	6

✱ Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

16 Engineered Safety Feature System

RHR Spray Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 16.4	Weldolet/ Sockolet CS SA234 Gr. WPB (etc) 100°F suppression pool water, stagnant Reactor water flow rate 7450 gpm, 125-334°F, 275 psi operating once a cycle													
CREV		1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
FAT		1.38	0	**5**	3	0	2.75	0	2	6	2.75	0	2	6
GC		1.63	0	3	**5**	0	2.75	0	2	6	2.75	0	2	6
MIC		1.88	0	1	**7**	0	2.75	0	2	6	2.75	0	2	6
PIT		1.88	0	1	**7**	0	2.63	0	3	5	2.63	0	3	5
SCC		1.38	0	**5**	3	0	2.88	0	1	7	2.88	0	1	7
Subgroup 16.5	Elbows, Valves Various Carbon Steels Reactor water, stagnant, 550°F													
CREV		1.50	0	4	**4**	0	2.75	0	2	6	2.88	0	1	7
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.75	0	2	6
GC		1.13	0	**7**	1	0	2.63	0	3	5	2.88	0	1	7
MIC		0.50	4	**4**	0	0	2.75	0	2	6	2.88	0	1	7
PIT		1.13	0	**7**	1	0	2.63	0	3	5	2.88	0	1	7
SCC		1.25	0	**6**	2	0	2.75	0	2	6	2.88	0	1	7
Subgroup 16.6	Welds and HAZ associated with elbows and valves Various Carbon Steels Reactor water, stagnant, 550°F													
FAT		1.14	0	**6**	1	0	2.57	0	3	4	2.71	0	2	5
SCC		1.43	0	**4**	3	0	2.71	0	2	5	2.86	0	1	6

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

16 Engineered Safety Feature System

RHR Spray Piping

	Susceptibility					Confidence				Knowledge			
	Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 16.7	Spray header in containment, Tee, Reducer and Welds, Various Carbon Steels 100°F suppression pool water, stagnant. Reactor water flow rate 7450 gpm, 125-334°F, 275 psi operating once a cycle												
CREV	1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
FAT	1.00	0	**8**	0	0	2.63	0	3	5	2.75	0	2	6
GC	1.63	0	3	**5**	0	2.75	0	2	6	2.75	0	2	6
MIC	1.75	0	2	**6**	0	2.75	0	2	6	2.75	0	2	6
PIT	1.88	0	1	**7**	0	2.63	0	3	5	2.63	0	3	5
SCC	1.38	0	**5**	3	0	2.75	0	2	6	2.75	0	2	6
Subgroup 16.8	Spray header in drywell Tee, Reducer and Welds Carbon Steel SA234 Gr. WPB N2 (when plant is operating) 100°F suppression pool water in operating mode												
CREV	1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
FAT	1.00	0	**8**	0	0	2.63	0	3	5	2.75	0	2	6
GC	1.63	0	3	**5**	0	2.75	0	2	6	2.75	0	2	6
MIC	1.88	0	1	**7**	0	2.75	0	2	6	2.75	0	2	6
PIT	1.88	0	1	**7**	0	2.75	0	2	6	2.75	0	2	6
SCC	1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
Subgroup 16.9	Sockolet in spray header in drywell Carbon Steel SA234 Gr. WPB N2 (when plant is operating) 100°F suppression pool water in operating mode												
CREV	1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
FAT	1.50	0	4	**4**	0	2.63	0	3	5	2.63	0	3	5
GC	1.63	0	3	**5**	0	2.75	0	2	6	2.75	0	2	6
MIC	1.88	0	1	**7**	0	2.75	0	2	6	2.75	0	2	6
PIT	1.88	0	1	**7**	0	2.75	0	2	6	2.75	0	2	6
SCC	1.25	0	**6**	2	0	2.75	0	2	6	2.88	0	1	7

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

16 Engineered Safety Feature System

RHR Spray Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 16.10	Sockolet in spray header in drywell Carbon Steel - Brass joint N2 (when plant is operating) 100°F suppression pool water in operating mode													
CREV		2.13	0	0	**7**	1	2.75	0	2	6	2.88	0	1	7
FAT		1.50	0	4	**4**	0	2.63	0	3	5	2.63	0	3	5
GALV		2.50	0	1	2	**5**	2.75	0	2	6	2.88	0	1	7
GC		1.75	0	2	**6**	0	2.75	0	2	6	2.75	0	2	6
MIC		1.88	0	1	**7**	0	2.75	0	2	6	2.75	0	2	6
PIT		1.88	0	1	**7**	0	2.75	0	2	6	2.75	0	2	6
SCC		1.50	0	4	**4**	0	2.75	0	2	6	2.88	0	1	7
Subgroup 16.11	Spray header in drywell Brass Nozzle N2 (when plant is operating) 100°F suppression pool water in operating mode													
CREV		1.38	0	**5**	3	0	2.75	0	2	6	2.88	0	1	7
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
GC		1.63	0	3	**5**	0	2.75	0	2	6	2.75	0	2	6
MIC		1.38	1	3	**4**	0	2.75	0	2	6	2.75	0	2	6
PIT		1.63	0	3	**5**	0	2.75	0	2	6	2.75	0	2	6
SCC		1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
Subgroup 16.12	Spray header above the suppression pool Pipes, Elbows, Tees, Welds Various Carbon Steels 100°F suppression pool water													
CREV		1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
GC		1.63	0	3	**5**	0	2.75	0	2	6	2.75	0	2	6
MIC		1.88	0	1	**7**	0	2.75	0	2	6	2.75	0	2	6
PIT		1.88	0	1	**7**	0	2.63	0	3	5	2.63	0	3	5
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.88	0	1	7

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X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

16 Engineered Safety Feature System

RHR Spray Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 16.13	Sockolet spray header above the suppression pool Carbon Steel SA234 Gr. WPB N2 (when plant is operating) 100°F suppression pool water in operating mode													
CREV		1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
FAT		1.38	0	**5**	3	0	2.63	0	3	5	2.63	0	3	5
GC		1.63	0	3	**5**	0	2.75	0	2	6	2.75	0	2	6
MIC		1.88	0	1	**7**	0	2.75	0	2	6	2.75	0	2	6
PIT		1.88	0	1	**7**	0	2.75	0	2	6	2.75	0	2	6
SCC		1.25	0	**6**	2	0	2.75	0	2	6	2.88	0	1	7
Subgroup 16.14	Sockolet spray header above the suppression pool Carbon Steel - Brass joint (drywell) N2 (when plant is operating) 100F suppression pool water when spraying													
CREV		1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
FAT		1.38	0	**5**	3	0	2.63	0	3	5	2.63	0	3	5
GALV		2.50	0	1	2	**5**	2.75	0	2	6	2.88	0	1	7
GC		1.63	0	3	**5**	0	2.75	0	2	6	2.75	0	2	6
MIC		1.88	0	1	**7**	0	2.75	0	2	6	2.75	0	2	6
PIT		1.88	0	1	**7**	0	2.75	0	2	6	2.75	0	2	6
SCC		1.25	0	**6**	2	0	2.75	0	2	6	2.88	0	1	7
Subgroup 16.15	Spray header above the suppression pool Nozzle Drywell N2 (when plant is operating) 100°F suppression pool water in operating mode													
CREV		1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
GC		1.63	0	3	**5**	0	2.75	0	2	6	2.75	0	2	6
MIC		1.88	0	1	**7**	0	2.75	0	2	6	2.75	0	2	6
PIT		1.88	0	1	**7**	0	2.75	0	2	6	2.75	0	2	6
SCC		1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6

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X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

17 Steam and Power Conversion System

Main Steam

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 17.1	All carbon and low-alloy steel components External surfaces (normally dry) <547°F No effect of HWC here													
FAT		1.75	0	2	**6**	0	2.75	0	2	6	2.88	0	1	7
PIT		0.88	1	**7**	0	0	2.88	0	1	7	3.00	0	0	8
SCC		0.25	**6**	2	0	0	2.88	0	1	7	2.88	0	1	7
Subgroup 17.2	Main steam carbon steel seam or seamless pipes, forgings, castings, fittings and weldments A106B, A234, A105, A216, A672B70 High flow rate saturated steam (<0.25% moisture) 547°F, 1020 psia													
EC		1.86	0	1	**6**	0	2.86	0	1	6	3.00	0	0	7
FAC		1.88	0	1	**7**	0	2.88	0	1	7	2.88	0	1	7
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.88	0	1	7
Subgroup 17.3	SRV and discharge lines, seamless carbon steel pipes, forgings, fittings, flanges A234, A106, A105 No effect of HWC here													
FAT *		1.00	1	**6**	1	0	2.63	0	3	5	2.88	0	1	7
SCC		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
Subgroup 17.4	Weldolet pipe/weld/flange A234, A106, A105 Saturated steam (<0.25% moisture) in dead leg 547°F, 1020 psia No effect of HWC here													
FAT		2.00	0	0	**8**	0	2.13	0	7	1	2.00	0	8	0
SCC		1.88	0	1	**7**	0	2.88	0	1	7	2.88	0	1	7

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X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

17 Steam and Power Conversion System

Main Steam

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 17.5		Low alloy steel bolts for tee quencher/sparger, A540 B21 (Hatch 2) Immersed in suppression pool water possibly with Zn primer Normally <90°F No effect of HWC here												
CREV	X	1.38	0	**6**	1	1	2.88	0	1	7	2.88	0	1	7
FAT		1.13	0	**7**	1	0	2.13	0	7	1	2.13	0	7	1
PIT		2.13	0	0	**7**	1	2.75	0	2	6	2.88	0	1	7
SCC		2.75	0	0	2	**6**	2.75	0	2	6	2.00	0	8	0
Subgroup 17.6		SRV discharge line in suppression pool and tee quencher/sparger Austenitic stainless steel plus bimetallic joint above water level When SRVs open, steam is 547°F, 1020 psia												
CREV		1.75	0	2	**6**	0	2.88	0	1	7	2.88	0	1	7
FAT		0.88	1	**7**	0	0	2.13	0	7	1	2.13	0	7	1
PIT		1.50	0	4	**4**	0	2.75	0	2	6	2.88	0	1	7
SCC	*	1.00	1	**6**	1	0	2.88	0	1	7	2.88	0	1	7
Subgroup 17.7		CASS, A351 Type 304, Venturi flow restrictor in steam line to limit flow to 200% if failure High flow rate saturated steam (<0.25% moisture) at 100% power 547°F, 1020 psia												
EC		1.00	0	**8**	0	0	2.75	0	2	6	2.75	0	2	6
FAT		1.13	1	**5**	2	0	2.00	0	8	0	2.00	0	8	0
FR		1.88	0	1	**7**	0	2.63	0	3	5	2.75	0	2	6

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X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

18 Engineered Safety Feature System

Cycled Condensate Storage Tank

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 18.1		Various plates, pipes, angles, shells, flanges, nozzles, vents, columns, gussets 6061-T6 & other Al alloys 100°F demineralized water, aerated												
	CREV	1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
	FAT	1.00	0	**8**	0	0	2.88	0	1	7	3.00	0	0	8
	PIT	1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
	SCC	1.00	0	**8**	0	0	2.88	0	1	7	3.00	0	0	8
Subgroup 18.2		Various plates, pipes, angles, shells, flanges, nozzles, vents, columns, gussets Stainless steel (OTHER PLANT) 100°F demineralized water, aerated												
	CREV *	1.00	1	**5**	1	0	2.86	0	1	6	2.86	0	1	6
	FAT	1.00	0	**7**	0	0	3.00	0	0	7	3.00	0	0	7
	PIT	0.86	1	**6**	0	0	2.86	0	1	6	2.86	0	1	6
	SCC	0.86	1	**6**	0	0	3.00	0	0	7	3.00	0	0	7

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X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

19 Steam and Power Conversion System

Feedwater

	Susceptibility					Confidence				Knowledge			
	Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 19.1	Various plates, heads, pipes, baffles, manway, tube sheet, supports SA105,A106,SA216,A234,A672 - Carbon steels - Base, Weld and HAZ 368-427F BWR water + >30 ppb O2 for FAC												
FAC	1.14	0	**6**	1	0	2.86	0	1	6	3.00	0	0	7
FAT	1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
PIT	1.38	0	**5**	3	0	2.75	0	2	6	2.88	0	1	7
SCC	1.38	0	**5**	3	0	2.75	0	2	6	2.88	0	1	7
Subgroup 19.2	Valves Carbon Steel - Base, Weld and HAZ 368-427F BWR water + >30 ppb O2 for FAC HWC not relevant to most feedwater												
FAC	1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
FAT	1.13	0	**7**	1	0	2.75	0	2	6	3.00	0	0	8
PIT	1.38	0	**5**	3	0	2.75	0	2	6	2.88	0	1	7
SCC	1.38	0	**5**	3	0	2.88	0	1	7	3.00	0	0	8
Subgroup 19.3	Weldolet Carbon Steel - base, weld and HAZ 368-427F BWR water + >30 ppb O2 for FAC HWC not relevant to most feedwater												
FAC	1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
FAT	1.50	0	4	**4**	0	2.63	0	3	5	2.63	0	3	5
PIT	1.38	0	**5**	3	0	2.75	0	2	6	2.88	0	1	7
SCC	1.38	0	**5**	3	0	2.88	0	1	7	3.00	0	0	8
Subgroup 19.4	Heater Pipes and Flow Elements 304 SS 368-427F BWR water + >30 ppb O2 for FAC HWC not relevant to most feedwater												
FAT	1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
SCC	1.25	0	**6**	2	0	2.88	0	1	7	2.88	0	1	7

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

20 Auxiliary System

Control Rod Drive

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 20.1	All Stainless Steel Components External Surfaces When at <150°C Normally Dry When at Low Temp HWC not relevant to CRD drive water													
PIT		1.00	0	**8**	0	0	3.00	0	0	8	2.88	0	1	7
SCC		1.00	0	**8**	0	0	3.00	0	0	8	2.88	0	1	7
Subgroup 20.2	Pipes, Elbows, Tees and Wyes SS Type 304 Deoxygenated Reactor Water 107°F, 1275 psia HWC not relevant to CRD drive water													
FAT		1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
SCC		1.00	0	**8**	0	0	3.00	0	0	8	3.00	0	0	8
Subgroup 20.3	308 SS Welds and HAZ Deoxygenated Reactor Water 107°F, 1275 psia HWC not relevant to CRD drive water													
FAT		1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
SCC		1.13	0	**7**	1	0	3.00	0	0	8	3.00	0	0	8
Subgroup 20.4	Valves Cast SS CF8 Deoxygenated Reactor Water 107°F, 1275 psia HWC not relevant to CRD drive water													
FAT		0.88	1	**7**	0	0	2.63	0	3	5	2.88	0	1	7
SCC		1.00	0	**8**	0	0	2.75	0	2	6	2.63	0	3	5
Subgroup 20.5	Flange SS Type 316 Deoxygenated Reactor Water 107°F, 1275 psia HWC not relevant to CRD drive water													
FAT		0.88	1	**7**	0	0	2.63	0	3	5	2.88	0	1	7
SCC		0.88	1	**7**	0	0	2.88	0	1	7	2.88	0	1	7

✱ Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

20 Auxiliary System

Control Rod Drive

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 20.6	Pump outlet Filter Shells CS A 515, etc, unclad Deoxygenated Reactor Water 107°F, 1275 psia HWC not relevant to CRD drive water													
FAT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
SCC		0.88	1	**7**	0	0	2.88	0	1	7	2.88	0	1	7
Subgroup 20.7	Welds Carbon Steel Deoxygenated Reactor Water 107°F, 1275 psia HWC not relevant to CRD drive water													
FAT		1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
SCC		1.00	0	**8**	0	0	2.88	0	1	7	2.88	0	1	7
Subgroup 20.8	Valves Cast SS CF8 Deoxygenated Reactor Water stagnant 107°F, 1275 psia HWC not relevant to CRD drive water													
FAT		0.88	1	**7**	0	0	2.63	0	3	5	2.88	0	1	7
SCC		0.88	1	**7**	0	0	2.88	0	1	7	2.75	0	2	6
Subgroup 20.9	Welds SS 308 Deoxygenated Reactor Water stagnant 107°F, 1275 psia HWC not relevant to CRD drive water													
FAT		1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
SCC		0.88	1	**7**	0	0	2.88	0	1	7	2.75	0	2	6
Subgroup 20.10	Tee SS Type 304 Deoxygenated Reactor Water stagnant 107°F, 1275 psia HWC not relevant to CRD drive water													
FAT		1.25	0	**6**	2	0	2.75	0	2	6	3.00	0	0	8
SCC		1.00	0	**8**	0	0	3.00	0	0	8	3.00	0	0	8

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X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

20 Auxiliary System

Control Rod Drive

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 20.11	Nozzles Cast CS Deoxygenated Reactor Water 107°F, 1275 psia HWC not relevant to CRD drive water													
	FAT *	1.00	1	**6**	1	0	2.63	0	3	5	2.88	0	1	7
	SCC	0.88	1	**7**	0	0	3.00	0	0	8	2.88	0	1	7
Subgroup 20.12	Pump Casing Cast CS Deoxygenated Reactor Water 107°F, 1275 psia HWC not relevant to CRD drive water													
	FAT	1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
	SCC	1.00	0	**8**	0	0	2.88	0	1	7	2.75	0	2	6

* Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

21 Steam and Power Conversion System

Main Condenser

	Susceptibility					Confidence				Knowledge			
	Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 21.1	Various plates, heads, pipes, baffles, manway, tube sheet, supports, shell Carbon Steel - Base, Weld and HAZ 100-165°F BWR water HWC not relevant to condensate												
FAC	1.38	0	**5**	3	0	2.75	0	2	6	2.88	0	1	7
FAT	1.13	0	**7**	1	0	2.63	0	3	5	2.88	0	1	7
GC	1.25	0	**6**	2	0	2.75	0	2	6	2.88	0	1	7
PIT	1.38	0	**5**	3	0	2.75	0	2	6	2.88	0	1	7
SCC	1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
Subgroup 21.2	Drainpipes Carbon Steel - Base, Weld and HAZ 330-475°F BWR water HWC not relevant to condensate												
FAC	1.38	0	**5**	3	0	2.75	0	2	6	2.88	0	1	7
FAT	1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
GC	1.25	0	**6**	2	0	2.75	0	2	6	2.88	0	1	7
PIT	1.38	0	**5**	3	0	2.75	0	2	6	2.88	0	1	7
SCC	1.25	0	**6**	2	0	2.75	0	2	6	2.88	0	1	7
Subgroup 21.3	Condenser Tubes (40,462 tubes), 1" OD and Baffle Plates Stainless Steel, outside of tube 330-475°F BWR water on outside HWC not relevant to condensate												
FAT	1.25	0	**6**	2	0	2.63	0	3	5	2.88	0	1	7
PIT	1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
SCC	1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
Subgroup 21.4	Condenser Tubes (40,462 tubes), 1" OD Stainless Steel, inside of tube Circulating water (treated or sea/lake/pond) HWC not relevant to condensate												
FAT	1.13	0	**7**	1	0	2.63	0	3	5	2.88	0	1	7
PIT	1.25	0	**6**	2	0	2.75	0	2	6	2.88	0	1	7
SCC	1.25	0	**6**	2	0	2.75	0	2	6	2.88	0	1	7

✱ Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

21 Steam and Power Conversion System

Main Condenser

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 21.5	Condenser Tubes (other plants with Ti) Titanium tubes, inside of tube (tubesheet other than Ti) Sea water cooling													
EC		1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
GALV		1.63	0	3	**5**	0	2.63	0	3	5	2.88	0	1	7
SCC		0.88	1	**7**	0	0	2.88	0	1	7	3.00	0	0	8
Subgroup 21.6	Condenser Tubes (other plants with Ti) Titanium tubes, outside of tube Wet steam													
EC *		1.88	0	2	**5**	1	2.75	0	2	6	2.88	0	1	7

* Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

22 Steam and Power Conversion System

Main Condenser Discharge Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 22.1		Various pipes, elbows, reducers, tees, flanges, nozzles, etc. SA105,A106,SA106,A234,A672,SA216 - Carbon steels - base, weld and HAZ 121°F BWR water, >>30 ppb O2 HWC not relevant here												
	FAC *	1.00	1	**6**	1	0	2.75	0	2	6	2.88	0	1	7
	FAT	1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
	PIT	1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
	SCC	1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
Subgroup 22.2		Weldolet A234 Carbon Steel - Base, Weld and HAZ 121°F BWR water, >>30 ppb O2 HWC not relevant here												
	FAC *	1.00	1	**6**	1	0	2.75	0	2	6	2.88	0	1	7
	FAT	1.75	0	2	**6**	0	2.63	0	3	5	2.63	0	3	5
	PIT	1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
	SCC	1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
Subgroup 22.3		Valves A105,A216 Carbon Steel - Base, Weld and HAZ 121°F BWR water, >>30 ppb O2 HWC not relevant here												
	FAC *	1.00	1	**6**	1	0	2.75	0	2	6	2.88	0	1	7
	FAT	1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
	PIT	1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
	SCC	1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
Subgroup 22.4		Pump Carbon Steel - Base, Weld and HAZ 121°F BWR water, >>30 ppb O2 HWC not relevant here												
	FAC	1.13	1	**5**	2	0	2.75	0	2	6	2.88	0	1	7
	FAT	1.13	0	**7**	1	0	2.63	0	3	5	2.88	0	1	7
	PIT	1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
	SCC	1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7

* Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

22 Steam and Power Conversion System

Main Condenser Discharge Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 22.5	Ejector Body & Nozzle Carbon Steel - Base, Weld and HAZ 121°F BWR water, >>30 ppb O2 HWC not relevant here													
FAC		1.13	1	**5**	2	0	2.75	0	2	6	2.88	0	1	7
FAT		1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
PIT		1.63	0	3	**5**	0	2.75	0	2	6	2.88	0	1	7
SCC		1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
Subgroup 22.6	Flow Restrictor Stainless Steel 121°F BWR water, >>30 ppb O2 HWC not relevant here													
FAT		1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
SCC		1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

23 Steam and Power Conversion System

Condensate Piping to Booster Pump

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 23.1	Various pipes, elbows, reducers, tees, flanges, nozzles, etc. SA105,A106,SA216,A234,A672 - Carbon steels - Base, Weld and HAZ 124°F BWR water (probably low O2) HWC not relevant here													
FAC		1.50	0	4	**4**	0	2.75	0	2	6	2.88	0	1	7
FAT		1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
PIT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
SCC		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
Subgroup 23.2	Sockolet SA106,SA216,A234,A672 carbon steel - base, weld and HAZ 124°F BWR water (probably low O2) HWC not relevant here													
FAC		1.38	0	**5**	3	0	2.75	0	2	6	2.88	0	1	7
FAT		1.50	0	4	**4**	0	2.63	0	3	5	2.75	0	2	6
PIT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
SCC		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
Subgroup 23.3	Valves SA105,SA216,A672 carbon steel - base, weld and HAZ 124°F BWR water (probably low O2) HWC not relevant here													
FAC		1.38	0	**5**	3	0	2.75	0	2	6	2.88	0	1	7
FAT		1.13	0	**7**	1	0	2.63	0	3	5	3.00	0	0	8
PIT		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
SCC		1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7

✱ Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

24 Steam and Power Conversion System

Condensate Piping to FW Pump

	Susceptibility					Confidence				Knowledge			
	Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 24.1	Various pipes, elbows, reducers, tees, flanges, nozzles, wye, etc. SA105,A106,SA216,A234,A672 - Carbon steels - base, weld and HAZ 124°F BWR water (probably low O2)												
FAC	1.50	0	4	**4**	0	2.75	0	2	6	2.88	0	1	7
FAT	1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
PIT	1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
SCC	1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
Subgroup 24.2	Various pipes, elbows, reducers, tees, flanges, nozzles, wye, etc. SA105,A106,SA216,A234,A672 - Carbon steels - base, weld and HAZ 124-370°F BWR water (probably low O2) HWC not relevant here												
FAC	1.50	0	4	**4**	0	2.75	0	2	6	2.88	0	1	7
FAT	1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
PIT	1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
SCC	1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
Subgroup 24.3	Sockolet SA106,SA216,A234,A672 carbon steel - base, weld and HAZ 365°F BWR water (probably low O2) HWC not relevant here												
FAC	1.50	0	4	**4**	0	2.75	0	2	6	2.88	0	1	7
FAT	1.88	0	1	**7**	0	2.63	0	3	5	2.63	0	3	5
PIT	1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
SCC	1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
Subgroup 24.4	Valves SA105,SA216,A672 carbon steel - base, weld and HAZ 124-370°F BWR water (probably low O2) HWC not relevant here												
FAC	1.50	0	4	**4**	0	2.75	0	2	6	2.88	0	1	7
FAT	1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
PIT	1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
SCC	1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

24 Steam and Power Conversion System

Condensate Piping to FW Pump

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 24.5	Pump Carbon Steel - Base, Weld and HAZ 365°F BWR water (probably low O2) HWC not relevant here													
	FAC	1.50	0	4	**4**	0	2.75	0	2	6	2.88	0	1	7
	FAT	1.25	0	**6**	2	0	2.75	0	2	6	3.00	0	0	8
	PIT	1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
	SCC	1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
Subgroup 24.6	Heater Tubes 304 SS 124-370°F BWR water (probably low O2) HWC not relevant here													
	FAT	1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
	SCC	1.13	0	**7**	1	0	3.00	0	0	8	3.00	0	0	8

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

25 Support System

Reactor Water Cleanup Piping to Pumps

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 25.1	Various elbows, reducers and pipe (base metal) SA105,106,216,234 - Carbon Steel 535°F BWR water													
	FAT	1.13	0	**7**	1	0	2.63	0	3	5	2.88	0	1	7
	FAT-HWC	1.13	0	**7**	1	0	2.50	0	4	4	2.75	0	2	6
	SCC	1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6
	SCC-HWC	1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 25.2	Welds and HAZ in various elbows, reducers and pipe SA105,106,216,234 - Carbon Steel Weld & HAZ 535°F BWR water													
	FAT	1.13	0	**7**	1	0	2.63	0	3	5	2.88	0	1	7
	FAT-HWC	1.13	0	**7**	1	0	2.50	0	4	4	2.75	0	2	6
	SCC	1.38	0	**5**	3	0	2.88	0	1	7	2.75	0	2	6
	SCC-HWC	1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 25.3	Various elbows, reducers and pipe (base metal) 304 Stainless Steel 535°F BWR water													
	FAT	1.13	0	**7**	1	0	2.63	0	3	5	2.88	0	1	7
	FAT-HWC	1.25	0	**6**	2	0	2.50	0	4	4	2.63	0	3	5
	SCC	1.13	0	**7**	1	0	2.88	0	1	7	2.75	0	2	6
	SCC-HWC	1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 25.4	Various elbows, reducers and pipe (weld metal) 304 Stainless Steel - Weld Metal 535°F BWR water													
	FAT	1.13	0	**7**	1	0	2.63	0	3	5	2.88	0	1	7
	FAT-HWC	1.25	0	**6**	2	0	2.50	0	4	4	2.63	0	3	5
	FR	1.00	0	**8**	0	0	2.50	1	2	5	2.38	1	3	4
	SCC	1.13	0	**7**	1	0	2.88	0	1	7	2.75	0	2	6
	SCC-HWC	1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

25 Support System

Reactor Water Cleanup Piping to Pumps

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 25.5		Various elbows, reducers and pipe (HAZ) 304 Stainless Steel - HAZ 535°F BWR water												
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.88	0	1	7
FAT-HWC		1.50	0	4	**4**	0	2.50	0	4	4	2.63	0	3	5
FR		1.25	0	**6**	2	0	2.38	1	3	4	2.25	1	4	3
SCC		2.25	0	0	**6**	2	2.75	0	2	6	2.75	0	2	6
SCC-HWC		1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
Subgroup 25.6		Weldolets and Sockolets SA105,106,216,234 - Carbon Steel 535°F BWR water												
FAT		2.00	0	0	**8**	0	2.50	0	4	4	2.50	0	4	4
FAT-HWC		1.63	0	3	**5**	0	2.63	0	3	5	2.63	0	3	5
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6
SCC-HWC		1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
Subgroup 25.7		Weldolets and Sockolets 304 Stainless Steel - Base, Weld & HAZ 535°F BWR water												
FAT		2.00	0	0	**8**	0	2.63	0	3	5	2.63	0	3	5
FAT-HWC		1.75	0	2	**6**	0	2.75	0	2	6	2.63	0	3	5
FR		1.13	0	**7**	1	0	2.38	1	3	4	2.25	1	4	3
SCC		2.38	0	0	**5**	3	2.88	0	1	7	2.88	0	1	7
SCC-HWC		1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
Subgroup 25.8		Valves SA105,106,216,234 - Carbon Steel 535°F BWR water												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
FAT-HWC		1.13	0	**7**	1	0	2.63	0	3	5	2.88	0	1	7
SCC	X	1.38	0	**6**	1	1	2.88	0	1	7	2.75	0	2	6
SCC-HWC		1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6

✱ Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

25 Support System

Reactor Water Cleanup Piping to Pumps

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 25.9	HPCS Pump Parts A106,A516 Carbon & Low Alloy Steels 535°F BWR water													
FAT		1.25	0	**6**	2	0	2.63	0	3	5	2.88	0	1	7
FAT-HWC		1.25	0	**6**	2	0	2.50	0	4	4	2.75	0	2	6
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6
SCC-HWC		1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

26 Support System

Reactor Water Cleanup Piping to R/NR HXs

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 26.1		Various elbows, flanges and pipe (base metal) SA105,106,216,234 - Carbon Steel 535°F BWR water												
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.88	0	1	7
FAT-HWC		1.13	0	**7**	1	0	2.50	0	4	4	2.75	0	2	6
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6
SCC-HWC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 26.2		Welds and HAZ in various elbows, flanges and pipe SA105,106,216,234 - Carbon Steel 535°F BWR water												
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.88	0	1	7
FAT-HWC		1.13	0	**7**	1	0	2.50	0	4	4	2.75	0	2	6
SCC		1.38	0	**5**	3	0	2.88	0	1	7	2.75	0	2	6
SCC-HWC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 26.3		Sockolet - base, weld and HAZ SA105,106,216,234 - Carbon Steel 535°F BWR water												
FAT		2.00	0	0	**8**	0	2.63	0	3	5	2.63	0	3	5
FAT-HWC		1.50	0	4	**4**	0	2.63	0	3	5	2.63	0	3	5
SCC	X	1.38	0	**6**	1	1	2.88	0	1	7	2.75	0	2	6
SCC-HWC		1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
Subgroup 26.4		Valves SA105,106,216,234 - Carbon Steel 535°F BWR water												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
FAT-HWC		1.13	0	**7**	1	0	2.63	0	3	5	2.88	0	1	7
SCC	X	1.38	0	**6**	1	1	2.88	0	1	7	2.75	0	2	6
SCC-HWC		1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

26 Support System

Reactor Water Cleanup Piping to R/NR HXs

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 26.5		HX Nozzle SA105,106,216,234 - Carbon Steel 435-535°F BWR water												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
FAT-HWC		1.50	0	4	**4**	0	2.63	0	3	5	2.88	0	1	7
SCC	X	1.50	0	**5**	2	1	2.75	0	2	6	2.75	0	2	6
SCC-HWC		1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
Subgroup 26.6		HX Nozzle 304 Stainless Steel (assume welds annealed) 535°F BWR water												
FAT		1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
FAT-HWC		1.25	0	**6**	2	0	2.63	0	3	5	2.75	0	2	6
FR		1.00	0	**8**	0	0	2.50	1	2	5	2.38	1	3	4
SCC	X	1.38	0	**6**	1	1	2.88	0	1	7	2.75	0	2	6
SCC-HWC		1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
Subgroup 26.7		Regenerative heat exchanger head and shell 304 stainless steel (assume welds annealed) 535°F BWR water												
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.88	0	1	7
FAT-HWC		1.25	0	**6**	2	0	2.50	0	4	4	2.63	0	3	5
FR		1.00	0	**8**	0	0	2.50	1	2	5	2.38	1	3	4
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6
SCC-HWC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 26.8		Regenerative heat exchanger tubesheet 304 Stainless Steel (assume welds annealed) 535°F BWR water												
FAT		1.25	0	**6**	2	0	2.63	0	3	5	2.88	0	1	7
FAT-HWC		1.38	0	**5**	3	0	2.50	0	4	4	2.63	0	3	5
FR		1.00	0	**8**	0	0	2.50	1	2	5	2.38	1	3	4
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6
SCC-HWC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6

✱ Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

26 Support System

Reactor Water Cleanup Piping to R/NR HXs

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 26.9		Regenerative heat exchanger tubes 304 Stainless Steel (assume welds annealed) 535°F BWR water												
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.88	0	1	7
FAT-HWC		1.25	0	**6**	2	0	2.50	0	4	4	2.63	0	3	5
FR		1.00	0	**8**	0	0	2.50	1	2	5	2.38	1	3	4
SCC		1.13	0	**7**	1	0	2.88	0	1	7	2.75	0	2	6
SCC-HWC		1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
Subgroup 26.10		Regenerative heat exchanger baffles 304 Stainless Steel 535°F BWR water												
FAT		1.25	0	**6**	2	0	2.63	0	3	5	2.88	0	1	7
FAT-HWC		1.38	0	**5**	3	0	2.50	0	4	4	2.63	0	3	5
FR		1.00	0	**8**	0	0	2.50	1	2	5	2.38	1	3	4
SCC		1.13	0	**7**	1	0	2.88	0	1	7	2.75	0	2	6
SCC-HWC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 26.11		Non-regenerative heat exchanger baffles and fittings SA105,106,216,234 - Carbon Steel 535°F BWR water												
FAT		1.25	0	**6**	2	0	2.63	0	3	5	2.75	0	2	6
FAT-HWC		1.38	0	**5**	3	0	2.63	0	3	5	2.88	0	1	7
SCC	X	1.38	0	**6**	1	1	2.75	0	2	6	2.75	0	2	6
SCC-HWC		1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
Subgroup 26.12		Regenerative heat exchanger internal piping 304 Stainless Steel (assume welds annealed) 535°F BWR water												
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.88	0	1	7
FAT-HWC		1.25	0	**6**	2	0	2.50	0	4	4	2.63	0	3	5
FR		1.00	0	**8**	0	0	2.50	1	2	5	2.38	1	3	4
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6
SCC-HWC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6

✱ Susceptibility at interface between colors with one or more scores higher than this interface.

X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

26 Support System

Reactor Water Cleanup Piping to R/NR HXs

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 26.13	Non-regenerative heat exchanger internal piping SA105,106,216,234 - Carbon Steel 535°F BWR water													
	FAT	1.13	0	**7**	1	0	2.63	0	3	5	2.88	0	1	7
	FAT-HWC	1.25	0	**6**	2	0	2.63	0	3	5	2.88	0	1	7
	SCC	1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
	SCC-HWC	1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
Subgroup 26.14	Various components in lower temp water SA105,106,216,234 - Carbon Steel 120-235°F BWR water. No HWC benefit here.													
	FAT	1.13	0	**7**	1	0	2.75	0	2	6	3.00	0	0	8
	SCC	1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 26.15	Various components in lower temp water 304 Stainless Steel (welds assume annealed) 235°F BWR water. No HWC benefit here.													
	FAT	1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
	SCC	1.13	0	**7**	1	0	2.88	0	1	7	3.00	0	0	8

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

27 Support System

Reactor Water Cleanup Piping to/from Filters

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 27.1	Nozzle 304 Stainless Steel and Weld Metal 120°F BWR water. HWC not relevant.													
	FAT	1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
	SCC	1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
Subgroup 27.2	Nozzle 304 Stainless Steel HAZ 120°F BWR water. HWC not relevant.													
	FAT	1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
	FR	1.00	0	**8**	0	0	2.63	1	1	6	2.00	1	6	1
	SCC	1.00	0	**8**	0	0	2.88	0	1	7	2.88	0	1	7
Subgroup 27.3	Pipe, elbow, tee, etc. SA106,216,234 - Carbon Steel Base, Weld, HAZ 120°F BWR water. HWC not relevant.													
	FAT	1.00	0	**8**	0	0	2.63	0	3	5	2.88	0	1	7
	SCC	1.00	0	**8**	0	0	2.75	0	2	6	2.88	0	1	7
Subgroup 27.4	Valves SA216 - Carbon Steel 120°F BWR water. HWC not relevant.													
	FAT	1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
	SCC	1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
Subgroup 27.5	Sockolet 304 Stainless Steel - Base, Weld and HAZ 120°F BWR water. HWC not relevant.													
	FAT	1.50	0	4	**4**	0	2.75	0	2	6	2.75	0	2	6
	FR	1.00	0	**8**	0	0	2.63	1	1	6	2.38	1	3	4
	SCC	1.50	0	4	**4**	0	2.88	0	1	7	2.88	0	1	7

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

27 Support System

Reactor Water Cleanup Piping to/from Filters

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 27.6	Filter nozzles - inlet and outlet 304 Stainless Steel - Base, Weld and HAZ 120°F BWR water. HWC not relevant.													
FAT		1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
FR		1.00	0	**8**	0	0	2.63	1	1	6	2.38	1	3	4
SCC		1.50	0	4	**4**	0	2.88	0	1	7	2.88	0	1	7
Subgroup 27.7	Filter nozzles - inlet and outlet SA106 - Carbon Steel 120°F BWR water. HWC not relevant.													
FAT		1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
SCC		1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
Subgroup 27.8	Filter demin shell, nozzle, fittings…. Stainless Steel - Base, Weld and HAZ 120°F BWR water. HWC not relevant.													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	3.00	0	0	8
FR		1.00	0	**8**	0	0	2.63	1	1	6	2.38	1	3	4
SCC		1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.

PMDA FOR BOILING WATER REACTOR COMPONENTS

28 Support System

Reactor Water Cleanup Piping to Feedwater

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 28.1	Nozzle SA105 - Carbon Steel 435°F BWR water													
	FAT	1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
	FAT-HWC	1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
	SCC	1.25	0	**6**	2	0	2.75	0	2	6	2.63	0	3	5
	SCC-HWC	1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 28.2	Piping, elbows, reducing tee, flange… SA106,216,234 - Carbon Steel 435°F BWR water													
	FAT	1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
	FAT-HWC	1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
	SCC	1.25	0	**6**	2	0	2.75	0	2	6	2.63	0	3	5
	SCC-HWC	1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 28.3	Valves SA216 - Carbon Steel 435°F BWR water													
	FAT	1.00	0	**8**	0	0	2.75	0	2	6	3.00	0	0	8
	FAT-HWC	1.13	0	**7**	1	0	2.75	0	2	6	2.88	0	1	7
	SCC	1.25	0	**6**	2	0	2.75	0	2	6	2.63	0	3	5
	SCC-HWC	1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 28.4	Weldolet SA234 - Carbon Steel 435°F BWR water													
	FAT	1.63	0	3	**5**	0	2.63	0	3	5	2.63	0	3	5
	FAT-HWC	1.75	0	2	**6**	0	2.88	0	1	7	2.75	0	2	6
	SCC	1.25	0	**6**	2	0	2.75	0	2	6	2.63	0	3	5
	SCC-HWC	1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6

✱ Susceptibility at interface between colors with one or more scores higher than this interface.
X Susceptibility inside color box with one or more scores higher than this color box upper interface.