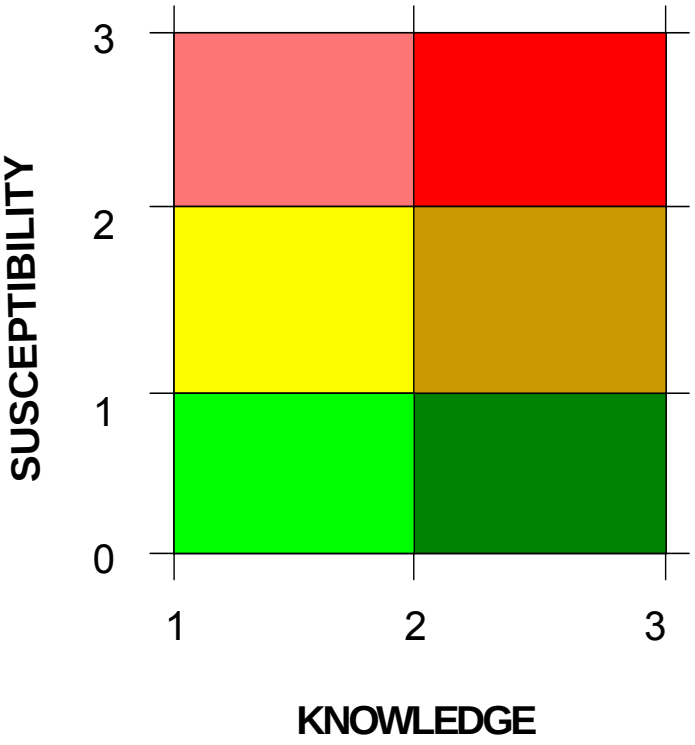
Explanation of Color Codes Used in Flag and Rainbow Reports

- 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 PRESSURIZED WATER REACTOR COMPONENTS

1 Reactor Coolant System

Cold Leg Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 1.1	All stainless steel components External surfaces when at <150°C Containment air Normally dry when at low temp													
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 1.2	Wrought austenitic stainless steel piping Types 304, 316, PWR primary water 556 to 559°F, 2250 psia													
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.50	1	2	5
SCC		0.88	1	**7**	0	0	2.38	1	3	4	2.13	1	5	2
Subgroup 1.3.1	Austenitic piping weld HAZs Type 304, PWR primary water 556 to 559°F, 2250 psia													
FAT		1.25	0	**6**	2	0	2.00	0	8	0	1.75	2	6	0
SCC		1.38	0	**5**	3	0	2.50	0	4	4	2.13	2	3	3
Subgroup 1.3.2	Austenitic piping weld HAZs Type 316, PWR primary water 556 to 559°F, 2250 psia													
FAT		1.25	0	**6**	2	0	2.00	0	8	0	1.75	2	6	0
SCC		1.25	0	**6**	2	0	2.38	0	5	3	2.13	2	3	3
Subgroup 1.4	Austenitic to austenitic weld metals Type 308, PWR primary water 556 to 559°F, 2250 psia													
FAT		1.50	0	4	**4**	0	2.00	0	8	0	1.75	2	6	0
FR		1.14	0	**6**	1	0	2.57	0	3	4	2.14	1	4	2
SCC		1.13	0	**7**	1	0	2.50	0	4	4	2.00	2	4	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 PRESSURIZED WATER REACTOR COMPONENTS

1 Reactor Coolant System

Cold Leg Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 1.5	Dissimilar metal welds (Internal) Type 308, 309, PWR primary water 556 to 559°F, 2250 psia													
	FAT	1.25	0	**6**	2	0	2.00	0	8	0	1.88	1	7	0
	FR	1.25	0	**3**	1	0	2.25	0	3	1	1.50	2	2	0
	SCC	1.50	0	4	**4**	0	2.50	0	4	4	1.63	4	3	1
Subgroup 1.6	Cast stainless steel components CF8, CF8M, PWR primary water 556 to 559°F, 2250 psia													
	FAT	1.13	0	**7**	1	0	2.13	1	5	2	1.88	2	5	1
	FR	1.13	0	**7**	1	0	2.50	0	4	4	2.25	0	6	2
	SCC	1.25	0	**6**	2	0	1.38	5	3	0	1.25	6	2	0
Subgroup 1.7	Socket welds Types 304, 308, 316, PWR primary water 556 to 559°F, 2250 psia													
	FAT	2.38	0	0	**5**	3	2.88	0	1	7	1.75	2	6	0
	SCC	1.38	0	**5**	3	0	2.75	0	2	6	2.25	1	4	3
Subgroup 1.8	Forged austenitic stainless steel nozzles Types 304, 316, PWR primary water 556 to 559°F, 2250 psia													
	FAT	1.38	0	**5**	3	0	2.00	0	8	0	1.88	1	7	0
	SCC	0.88	1	**7**	0	0	2.50	0	4	4	2.25	0	6	2
Subgroup 1.9	Dissimilar metal welds Type 308, 309 External Surface													
	SCC *	1.86	0	2	**4**	1	3.00	0	0	7	2.14	2	2	3

* 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 PRESSURIZED WATER REACTOR COMPONENTS

1 Reactor Coolant System

Cold Leg Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 1.10	Cast stainless steel piping CF8, CF8M, PWR primary water 556 to 559°F, 2250 psia For other Westinghouse plants													
	FAT	1.13	0	**7**	1	0	2.13	1	5	2	1.88	2	5	1
	FR	1.14	0	**6**	1	0	2.38	1	3	4	2.13	1	5	2
	SCC	1.25	0	**6**	2	0	1.50	5	2	1	1.50	5	2	1
Subgroup 1.11	Clad ferritic steel piping stainless steel clad carbon steel PWR primary water, 556 to 559°F, 2250 psia For CE and B&W plants													
	BAC	1.25	1	**4**	3	0	2.50	1	2	5	1.88	2	5	1
	DEBOND	0.86	1	**6**	0	0	2.86	0	1	6	2.86	0	1	6
	FAT	1.00	0	**8**	0	0	2.25	0	6	2	2.13	1	5	2
	SCC	1.13	0	**7**	1	0	2.50	0	4	4	2.13	1	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 PRESSURIZED WATER REACTOR COMPONENTS

2 Reactor Coolant System

Crossover Leg Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 2.1	All stainless steel components External surfaces when at <150°C Containment air Normally dry when at low temp													
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 2.2	Wrought austenitic stainless steel piping Types 304, 316, PWR primary water 556 to 559°F, 2250 psia													
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.50	1	2	5
SCC		0.88	1	**7**	0	0	2.63	0	3	5	2.25	0	6	2
Subgroup 2.3.1	Austenitic piping weld HAZs Type 304, PWR primary water 556 to 559°F, 2250 psia													
FAT		1.25	0	**6**	2	0	2.00	0	8	0	1.75	2	6	0
SCC		1.25	0	**6**	2	0	2.50	0	4	4	2.00	2	4	2
Subgroup 2.3.2	Austenitic piping weld HAZs Type 316, PWR primary water 556 to 559°F, 2250 psia													
FAT		1.25	0	**6**	2	0	2.00	0	8	0	1.75	2	6	0
SCC		1.13	0	**7**	1	0	2.38	0	5	3	2.00	2	4	2
Subgroup 2.4	Austenitic to austenitic weld metals Type 308, PWR primary water 556 to 559°F, 2250 psia													
FAT		1.13	0	**7**	1	0	2.00	0	8	0	1.75	2	6	0
FR		1.14	0	**6**	1	0	2.38	1	3	4	2.00	2	4	2
SCC		1.13	0	**7**	1	0	2.50	0	4	4	2.00	2	4	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 PRESSURIZED WATER REACTOR COMPONENTS

2 Reactor Coolant System

Crossover Leg Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 2.5	Dissimilar metal welds (Internal) Type 308, 309, PWR primary water 556 to 559°F, 2250 psia													
FAT		1.25	0	**6**	2	0	2.00	0	8	0	1.88	1	7	0
FR		1.20	0	**4**	1	0	2.40	0	3	2	1.60	2	3	0
SCC		1.50	0	4	**4**	0	2.63	0	3	5	1.75	4	2	2
Subgroup 2.6	Cast stainless steel components CF8, CF8M, PWR primary water 556 to 559°F, 2250 psia													
FAT		1.13	0	**7**	1	0	2.13	1	5	2	1.88	2	5	1
FR		1.14	0	**6**	1	0	2.38	1	3	4	2.13	1	5	2
SCC		1.25	0	**6**	2	0	1.25	6	2	0	1.25	6	2	0
Subgroup 2.7	Socket welds Types 304, 308, 316, PWR primary water 556 to 559°F, 2250 psia													
FAT		2.38	0	0	**5**	3	2.88	0	1	7	1.75	2	6	0
SCC		1.38	0	**5**	3	0	2.75	0	2	6	2.25	1	4	3
Subgroup 2.8	Forged austenitic stainless steel nozzles Types 304, 316, PWR primary water 556 to 559°F, 2250 psia													
FAT		1.38	0	**5**	3	0	2.00	0	8	0	1.88	1	7	0
SCC		0.88	1	**7**	0	0	2.50	0	4	4	2.25	0	6	2
Subgroup 2.9	Dissimilar metal welds Type 308, 309 External surface													
SCC *		1.86	0	2	**4**	1	3.00	0	0	7	2.14	2	2	3

* 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 PRESSURIZED WATER REACTOR COMPONENTS

2 Reactor Coolant System

Crossover Leg Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 2.10	Cast stainless steel piping CF8, CF8M, PWR primary water 556 to 559°F, 2250 psia For other Westinghouse plants													
	FAT	1.14	0	**6**	1	0	2.29	0	5	2	2.00	1	5	1
	FR	1.14	0	**6**	1	0	2.57	0	3	4	2.29	0	5	2
	SCC	1.25	0	**6**	2	0	1.50	5	2	1	1.50	5	2	1
Subgroup 2.11	Clad ferritic steel piping stainless steel clad carbon steel PWR primary water, 556 to 559°F, 2250 psia For CE and B&W plants													
	BAC	1.13	1	**5**	2	0	2.50	1	2	5	2.13	2	3	3
	DEBOND	0.86	1	**6**	0	0	2.86	0	1	6	2.86	0	1	6
	FAT	1.00	0	**8**	0	0	2.25	0	6	2	2.13	1	5	2
	SCC	1.13	0	**7**	1	0	2.63	0	3	5	2.25	1	4	3

✱ 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 PRESSURIZED WATER REACTOR COMPONENTS

3 Reactor Coolant System

Hot Leg Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 3.1	All stainless steel components External surfaces when at <150°C Containment air Normally dry when at low temp													
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 3.2	Wrought austenitic stainless steel piping Types 304, 316, PWR primary water 610 to 620°F, 2250 psia													
FAT		1.63	0	3	**5**	0	2.13	0	7	1	2.00	1	6	1
SCC		0.88	1	**7**	0	0	2.63	0	3	5	2.25	0	6	2
Subgroup 3.3.1	Austenitic piping weld HAZs Type 304, PWR primary water 610 to 620°F, 2250 psia													
FAT		1.75	0	2	**6**	0	2.00	0	8	0	1.75	2	6	0
SCC		1.25	0	**6**	2	0	2.50	0	4	4	2.00	2	4	2
Subgroup 3.3.2	Austenitic piping weld HAZs Type 316, PWR primary water 610 to 620°F, 2250 psia													
FAT		1.75	0	2	**6**	0	2.00	0	8	0	1.75	2	6	0
SCC		1.13	0	**7**	1	0	2.38	0	5	3	2.00	2	4	2
Subgroup 3.4	Austenitic to austenitic weld metals Type 308, PWR primary water 610 to 620°F, 2250 psia													
FAT		1.75	0	2	**6**	0	2.00	0	8	0	1.75	2	6	0
FR		1.14	0	**6**	1	0	2.38	1	3	4	2.00	2	4	2
SCC		1.25	0	**6**	2	0	2.50	0	4	4	2.00	2	4	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 PRESSURIZED WATER REACTOR COMPONENTS

3 Reactor Coolant System

Hot Leg Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 3.5	Dissimilar metal welds (Internal) Type 308, 309, PWR primary water 610 to 620°F, 2250 psia													
FAT		1.50	0	4	**4**	0	2.00	0	8	0	1.88	1	7	0
FR		1.20	0	**4**	1	0	2.40	0	3	2	1.60	2	3	0
SCC		1.50	0	4	**4**	0	2.63	0	3	5	1.75	4	2	2
Subgroup 3.6	Cast stainless steel components CF8, CF8M, PWR primary water 610 to 620°F, 2250 psia													
FAT		1.13	0	**7**	1	0	2.13	1	5	2	1.88	2	5	1
FR		1.14	0	**6**	1	0	2.38	1	3	4	2.13	1	5	2
SCC		1.25	0	**6**	2	0	1.25	6	2	0	1.25	6	2	0
Subgroup 3.7	Socket welds Types 304, 308, 316, PWR primary water 610 to 620°F, 2250 psia													
FAT		2.38	0	0	**5**	3	2.88	0	1	7	1.75	2	6	0
SCC		1.38	0	**5**	3	0	2.75	0	2	6	2.25	1	4	3
Subgroup 3.8	Forged austenitic stainless steel nozzles Types 304, 316, PWR primary water 610 to 620°F, 2250 psia													
FAT		1.50	0	4	**4**	0	2.00	0	8	0	1.88	1	7	0
SCC		0.88	1	**7**	0	0	2.50	0	4	4	2.25	0	6	2
Subgroup 3.9	Dissimilar metal welds Type 308, 309 External surface													
SCC	*	1.71	0	3	**3**	1	2.86	0	1	6	2.14	2	2	3

* 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 PRESSURIZED WATER REACTOR COMPONENTS

3 Reactor Coolant System

Hot Leg Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 3.10	Cast stainless steel piping CF8, CF8M, PWR primary water 610 to 620°F, 2250 psia For other Westinghouse plants													
	FAT	1.25	0	**6**	2	0	2.13	1	5	2	1.88	2	5	1
	FR	1.14	0	**6**	1	0	2.38	1	3	4	2.13	1	5	2
	SCC	1.38	0	**5**	3	0	1.50	5	2	1	1.50	5	2	1
Subgroup 3.11	Clad ferritic steel piping stainless steel clad carbon steel PWR primary water, 610 to 620°F, 2250 psia For CE and B&W plants													
	BAC	1.13	1	**5**	2	0	2.50	1	2	5	2.13	2	3	3
	DEBOND	0.86	1	**6**	0	0	2.86	0	1	6	2.86	0	1	6
	FAT	1.00	0	**8**	0	0	2.25	0	6	2	2.13	1	5	2
	SCC	1.13	0	**7**	1	0	2.63	0	3	5	2.25	1	4	3

✱ 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 PRESSURIZED WATER REACTOR COMPONENTS

4 Reactor Coolant System

Pressurizer

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 4.1		All stainless steel components External surfaces when at <150°C Containment air Normally dry when at low temp												
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 4.2		Shell plates/forgings/welds/brackets etc A533 Gr.A Cl.2 or SA-508 Cl.2 PWR primary water, Up to 653°F, 2250 psia												
BAC		1.43	0	**4**	3	0	2.71	0	2	5	2.43	1	2	4
CREV		1.00	0	**8**	0	0	2.75	0	2	6	2.38	1	3	4
FAT		1.13	0	**7**	1	0	3.00	0	0	8	3.00	0	0	8
FR	*	1.00	1	**6**	1	0	2.38	1	3	4	2.25	1	4	3
SCC		1.00	0	**8**	0	0	2.75	0	2	6	2.63	0	3	5
Subgroup 4.3		Stainless steel cladding Types 308, 309, PWR primary water 653°F, 2250 psia												
DEBOND		1.25	0	**6**	2	0	2.25	1	4	3	2.25	1	4	3
FAT		1.00	0	**8**	0	0	2.13	1	5	2	2.00	2	4	2
PIT		0.88	1	**7**	0	0	2.63	0	3	5	2.63	0	3	5
SCC		1.13	0	**7**	1	0	2.63	0	3	5	2.38	1	3	4
Subgroup 4.4		Wrought stainless steel (Internal) Types 304, 316, PWR primary water 653°F, 2250 psia												
FAT		1.50	0	4	**4**	0	2.13	0	7	1	1.63	4	3	1
SCC		0.88	1	**7**	0	0	2.75	0	2	6	2.75	0	2	6

PMDA FOR PRESSURIZED WATER REACTOR COMPONENTS

4 Reactor Coolant System

Pressurizer

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 4.5		Dissimilar metal welds (Internal) Type 308, 309, PWR primary water 653°F, 2250 psia												
FAT		1.75	0	2	**6**	0	2.00	0	8	0	1.88	1	7	0
FR		1.00	0	**6**	0	0	2.29	1	3	3	1.71	3	3	1
SCC		1.50	0	4	**4**	0	2.63	0	3	5	1.75	4	2	2
Subgroup 4.6		Dissimilar metal welds (Internal) Alloys 82, 182, PWR primary water 653°F, 2250 psia												
FAT		2.00	0	0	**8**	0	2.00	0	8	0	2.00	0	8	0
FR		1.43	1	2	**4**	0	2.13	2	3	3	1.88	3	3	2
SCC		2.88	0	0	1	**7**	3.00	0	0	8	1.88	2	5	1
Subgroup 4.7		Forged austenitic nozzles Alloy 600, PWR primary water 653°F, 2250 psia												
FAT		1.75	0	2	**6**	0	2.00	0	8	0	1.88	1	7	0
SCC		3.00	0	0	0	**8**	3.00	0	0	8	2.00	0	8	0
Subgroup 4.8		Heater cladding/attachement weld Type 316, cold worked, Type 308 PWR primary water, >653°F, 2250 psia												
FAT		1.63	0	3	**5**	0	2.00	0	8	0	1.75	2	6	0
SCC		1.88	0	1	**7**	0	2.00	0	8	0	1.13	7	1	0
Subgroup 4.9		Manway retaining bolts SA-193 Gr B7, PWR primary water In the event of flange leak 653°F, 2250 psia												
BAC		1.75	0	2	**6**	0	2.13	0	7	1	2.25	0	6	2
FAT		0.88	1	**7**	0	0	2.13	0	7	1	2.00	0	8	0
SCC	*	1.00	1	**6**	1	0	2.63	0	3	5	1.75	2	6	0

* 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 PRESSURIZED WATER REACTOR COMPONENTS

4 Reactor Coolant System

Pressurizer

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 4.10.1	Austenitic stainless weld HAZs Type 304, PWR primary water 653°F, 2250 psia													
FAT		1.63	0	3	**5**	0	2.00	0	8	0	1.75	2	6	0
SCC		1.25	0	**6**	2	0	2.50	0	4	4	2.13	2	3	3
Subgroup 4.10.2	Austenitic stainless weld HAZs Type 316, PWR primary water 653°F, 2250 psia													
FAT		1.63	0	3	**5**	0	2.00	0	8	0	1.75	2	6	0
SCC		1.13	0	**7**	1	0	2.38	0	5	3	2.13	2	3	3
Subgroup 4.11	Dissimilar metal welds Type 308, 309 External surface													
SCC		1.43	0	**4**	3	0	2.71	0	2	5	2.29	1	3	3
Subgroup 4.12	Dissimilar metal welds Alloys 82, 182 External surface													
SCC *		0.88	2	**5**	1	0	2.50	1	2	5	2.13	2	3	3
Subgroup 4.13	Forged austenitic nozzles Types 304, 316, PWR primary water 653°F, 2250 psia													
FAT		1.38	0	**5**	3	0	2.00	0	8	0	1.88	1	7	0
SCC		0.88	1	**7**	0	0	2.63	0	3	5	2.38	0	5	3
Subgroup 4.14	Heater cladding/attachement weld Alloy 600, cold worked, PWR primary water >653°F, 2250 psia For CE plants													
FAT		1.63	0	3	**5**	0	2.00	0	8	0	1.88	1	7	0
SCC		2.75	0	0	2	**6**	2.75	0	2	6	2.13	0	7	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 PRESSURIZED WATER REACTOR COMPONENTS

5 Reactor Coolant System

Pressurizer Spray Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 5.1	All stainless steel components External surfaces when at <150°C Containment air Normally dry when at low temp													
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 5.2	Wrought austenitic stainless steel piping Types 304, 316, PWR primary water 556 to 559°F, 2250 psia													
FAT		1.00	0	**8**	0	0	2.50	0	4	4	2.25	2	2	4
SCC		0.80	1	**4**	0	0	2.60	0	2	3	2.20	0	4	1
Subgroup 5.3.1	Austenitic piping weld HAZs Type 304, PWR primary water 556 to 559°F, 2250 psia													
FAT		1.13	0	**7**	1	0	2.00	0	8	0	1.75	2	6	0
SCC		1.25	0	**6**	2	0	2.63	0	3	5	2.25	1	4	3
Subgroup 5.3.2	Austenitic piping weld HAZs Type 316, PWR primary water 556 to 559°F, 2250 psia													
FAT		1.13	0	**7**	1	0	2.00	0	8	0	1.75	2	6	0
SCC		1.13	0	**7**	1	0	2.50	0	4	4	2.25	1	4	3
Subgroup 5.4	Austenitic to austenitic weld metals Type 308, PWR primary water 556 to 559°F, 2250 psia													
FAT		1.13	0	**7**	1	0	2.00	0	8	0	1.75	2	6	0
FR		1.20	0	**4**	1	0	2.40	0	3	2	2.00	1	3	1
SCC		1.25	0	**3**	1	0	2.25	0	3	1	2.00	1	2	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 PRESSURIZED WATER REACTOR COMPONENTS

5 Reactor Coolant System

Pressurizer Spray Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 5.5	Forged austenitic stainless steel nozzles Types 304, 316, PWR primary water 556 to 559°F, 2250 psia													
	FAT	1.38	0	**5**	3	0	2.00	0	8	0	1.88	1	7	0
	SCC	0.83	1	**5**	0	0	2.50	0	3	3	2.17	0	5	1
Subgroup 5.6	Socket welds Types 304, 308, 316, PWR primary water 556 to 559°F, 2250 psia													
	FAT	2.38	0	0	**5**	3	2.88	0	1	7	1.75	2	6	0
	SCC	1.38	0	**5**	3	0	2.75	0	2	6	2.25	1	4	3

✱ 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 PRESSURIZED WATER REACTOR COMPONENTS

6 Reactor Coolant System

Pressurizer Surge Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 6.1	All stainless steel components External surfaces when at <150°C Containment air Normally dry when at low temp													
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 6.2	Wrought austenitic stainless steel piping Types 304, 316, PWR primary water 620 to 653°F, 2250 psia													
FAT		1.63	0	3	**5**	0	2.50	0	4	4	2.38	1	3	4
SCC		0.83	1	**5**	0	0	2.67	0	2	4	2.17	0	5	1
Subgroup 6.3.1	Austenitic piping weld HAZs Type 304, PWR primary water 620 to 653°F, 2250 psia													
FAT		1.75	0	2	**6**	0	2.00	0	8	0	1.75	2	6	0
SCC		1.38	0	**5**	3	0	2.63	0	3	5	2.00	2	4	2
Subgroup 6.3.2	Austenitic piping weld HAZs Type 316, PWR primary water 620 to 653°F, 2250 psia													
FAT		1.75	0	2	**6**	0	2.00	0	8	0	1.75	2	6	0
SCC		1.25	0	**6**	2	0	2.50	0	4	4	2.00	2	4	2
Subgroup 6.4	Austenitic to austenitic weld metals Type 308, PWR primary water 620 to 653°F, 2250 psia													
FAT		1.63	0	3	**5**	0	2.00	0	8	0	1.75	2	6	0
FR		1.20	0	**4**	1	0	2.40	0	3	2	2.00	1	3	1
SCC		1.20	0	**4**	1	0	2.40	0	3	2	2.00	1	3	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 PRESSURIZED WATER REACTOR COMPONENTS

6 Reactor Coolant System

Pressurizer Surge Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 6.5	Forged austenitic stainless steel nozzles Types 304, 316, PWR primary water 620 to 653°F, 2250 psia													
	FAT	1.63	0	3	**5**	0	2.00	0	8	0	1.88	1	7	0
	SCC	0.83	1	**5**	0	0	2.50	0	3	3	2.17	0	5	1
Subgroup 6.6	Socket welds Types 304, 308, 316, PWR primary water 620 to 653°F, 2250 psia													
	FAT	2.38	0	0	**5**	3	2.88	0	1	7	1.75	2	6	0
	SCC	1.38	0	**5**	3	0	2.75	0	2	6	2.25	1	4	3

✱ 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 PRESSURIZED WATER REACTOR COMPONENTS

7 Reactor Coolant System

Pressurizer Piping to PORVs

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 7.1	All stainless steel components External surfaces when at <150°C Containment air Normally dry when at low temp													
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 7.2	Wrought austenitic stainless steel piping Types 304, 316 Stagnant saturated steam/condensate PWR primary water, 653°F, 2250 psia													
FAT		1.13	0	**7**	1	0	2.38	0	5	3	1.75	3	4	1
SCC		0.80	1	**4**	0	0	2.60	0	2	3	2.20	0	4	1
Subgroup 7.3.1	Austenitic components weld HAZs Type 304, Stagnant saturated steam/condensate PWR primary water, 653°F, 2250 psia													
FAT		1.38	0	**5**	3	0	2.00	0	8	0	1.63	3	5	0
SCC		1.50	0	4	**4**	0	2.50	0	4	4	2.00	2	4	2
Subgroup 7.3.2	Austenitic components weld HAZs Type 316, Stagnant saturated steam/condensate PWR primary water, 653°F, 2250 psia													
FAT		1.38	0	**5**	3	0	2.00	0	8	0	1.63	3	5	0
SCC		1.38	0	**5**	3	0	2.38	0	5	3	2.00	2	4	2
Subgroup 7.4	Austenitic to austenitic weld metals Type 308, Stagnant saturated steam/condensate PWR primary water, 653°F, 2250 psia													
FAT		1.25	0	**6**	2	0	2.00	0	8	0	1.75	2	6	0
FR		1.20	0	**4**	1	0	2.40	0	3	2	2.00	1	3	1
SCC		1.25	0	**3**	1	0	2.25	0	3	1	2.00	1	2	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 PRESSURIZED WATER REACTOR COMPONENTS

7 Reactor Coolant System

Pressurizer Piping to PORVs

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 7.5	Forged austenitic stainless steel nozzles Types 304, 316, Stagnant saturated steam/condensate PWR primary water, 653°F, 2250 psia													
	FAT	1.38	0	**5**	3	0	2.00	0	8	0	1.88	1	7	0
	SCC	0.83	1	**5**	0	0	2.50	0	3	3	2.17	0	5	1
Subgroup 7.6	Socket welds Types 304, 308, Stagnant saturated steam/condensate PWR primary water, 653°F, 2250 psia													
	FAT	2.25	0	0	**6**	2	2.75	0	2	6	1.75	2	6	0
	SCC	1.33	0	**4**	2	0	2.67	0	2	4	2.17	1	3	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 PRESSURIZED WATER REACTOR COMPONENTS

8 Reactor Coolant System

Pressurizer Piping to SRVs

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 8.1	All stainless steel components External surfaces when at <150°C Containment air Normally dry when at low temp													
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 8.2	Wrought austenitic stainless steel piping Types 304,316, Stagnant saturated steam/condensate PWR primary water, 653°F, 2250 psia													
FAT		1.25	0	**6**	2	0	2.38	0	5	3	2.00	3	2	3
SCC		0.80	1	**4**	0	0	2.60	0	2	3	2.20	0	4	1
Subgroup 8.3.1	Austenitic piping weld HAZs Type 304, Stagnant saturated steam/condensate PWR primary water, 653°F, 2250 psia													
FAT		1.25	0	**6**	2	0	2.00	0	8	0	1.63	3	5	0
SCC		1.38	0	**5**	3	0	2.63	0	3	5	2.13	2	3	3
Subgroup 8.3.2	Austenitic piping weld HAZs Type 316, Stagnant saturated steam/condensate PWR primary water, 653°F, 2250 psia													
FAT		1.25	0	**6**	2	0	2.00	0	8	0	1.63	3	5	0
SCC		1.25	0	**6**	2	0	2.50	0	4	4	2.13	2	3	3
Subgroup 8.4	Austenitic to austenitic weld metals Type 308, Stagnant saturated steam/condensate PWR primary water, 653°F, 2250 psia													
FAT		1.38	0	**5**	3	0	2.00	0	8	0	1.75	2	6	0
FR		1.20	0	**4**	1	0	2.40	0	3	2	2.00	1	3	1
SCC		1.25	0	**3**	1	0	2.25	0	3	1	2.00	1	2	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 PRESSURIZED WATER REACTOR COMPONENTS

8 Reactor Coolant System

Pressurizer Piping to SRVs

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 8.5		Forged austenitic stainless steel nozzles Types 304, 316, Stagnant saturated steam/condensate PWR primary water, 653°F, 2250 psia												
	FAT	1.25	0	**6**	2	0	2.00	0	8	0	1.88	1	7	0
	SCC	0.83	1	**5**	0	0	2.50	0	3	3	2.17	0	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 PRESSURIZED WATER REACTOR COMPONENTS

9 Reactor Coolant System

Reactor Coolant Pump

		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 Containment air Normally dry when at low temp													
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 9.2	Stainless steel (internals including weldments) Types 304, 308, 316, PWR primary water 556°F to 559°F, 2250 psia													
FAT		1.88	0	1	**7**	0	2.00	0	8	0	1.75	2	6	0
FR		1.17	0	**5**	1	0	2.33	0	4	2	2.33	0	4	2
SCC		1.25	0	**6**	2	0	2.25	0	6	2	2.13	0	7	1
Subgroup 9.3	Internal high strength parts (Including pump shaft) A-286, 17-4PH, X750, 403, PWR primary water 556°F to 559°F, 2250 psia													
FAT		1.88	0	1	**7**	0	2.13	0	7	1	2.00	0	8	0
FR		2.00	0	0	**8**	0	2.88	0	1	7	1.63	3	5	0
SCC		2.38	0	0	**5**	3	2.88	0	1	7	2.13	0	7	1
Subgroup 9.4	Forged austenitic flange Type 304, PWR primary water 120°F, 2250 psia													
FAT		1.00	0	**8**	0	0	1.88	1	7	0	1.63	3	5	0
SCC		1.00	0	**7**	0	0	2.57	0	3	4	2.71	0	2	5
Subgroup 9.5	Cast stainless steel CF8, PWR primary water 556°F to 559°F, 2250 psia													
FAT		1.14	0	**6**	1	0	2.43	0	4	3	2.50	0	3	3
FR		1.29	0	**5**	2	0	2.50	1	2	5	2.13	1	5	2
SCC		1.25	0	**6**	2	0	1.25	6	2	0	1.25	6	2	0

✱ 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 PRESSURIZED WATER REACTOR COMPONENTS

9 Reactor Coolant System

Reactor Coolant Pump

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 9.6		Main flange bolts SA-540 Gr. B24 Containment air Hot due to PWR primary water temperature												
BAC		1.75	0	2	**6**	0	2.13	0	7	1	2.25	0	6	2
FAT		0.88	1	**7**	0	0	2.13	0	7	1	2.00	0	8	0
SCC	*	1.00	1	**6**	1	0	2.50	0	4	4	1.63	3	5	0

* 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 PRESSURIZED WATER REACTOR COMPONENTS

10 Reactor Coolant System

Reactor Pressure Vessel

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 10.1	Any stainless steel components External surfaces when at <150°C Normally dry when at low temp													
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 10.2	Shell plates/forgings/welds/brackets etc A533 Gr.A Cl.2 or SA-508 Cl.2, PWR primary water 556°F to 559°F, 600°F, 2250 psia													
BAC		2.13	0	0	**7**	1	3.00	0	0	8	2.13	1	5	2
CREEP		0.57	3	**4**	0	0	2.29	2	1	4	2.43	1	2	4
CREV		1.00	0	**6**	0	0	2.50	0	3	3	2.17	0	5	1
FAT		1.13	0	**7**	1	0	3.00	0	0	8	2.88	0	1	7
FR		1.88	0	1	**7**	0	3.00	0	0	8	2.88	0	1	7
SCC		0.86	1	**6**	0	0	2.86	0	1	6	2.43	0	4	3
Subgroup 10.3	Stainless steel welds and cladding Types 308, 309, PWR primary water 556°F to 559°F, 600°F, 2250 psia													
EC		0.86	1	**6**	0	0	1.86	1	6	0	1.86	1	6	0
FAT		1.00	0	**8**	0	0	2.50	1	2	5	2.38	2	1	5
FR		1.13	0	**7**	1	0	2.38	0	5	3	2.38	0	5	3
SCC		1.00	0	**8**	0	0	2.75	0	2	6	2.38	2	1	5
Subgroup 10.4	Dissimilar metal welds (Internal) Type 308, 309, PWR primary water 653°F, 2250 psia													
FAT		1.75	0	2	**6**	0	2.00	0	8	0	1.88	1	7	0
FR		1.00	0	**4**	0	0	2.50	0	2	2	2.00	1	2	1
SCC		1.50	0	4	**4**	0	2.88	0	1	7	1.50	6	0	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 PRESSURIZED WATER REACTOR COMPONENTS

10 Reactor Coolant System

Reactor Pressure Vessel

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 10.5		Forged austenitic nozzles Types 304, 316, PWR primary water 653°F, 2250 psia												
FAT		1.25	0	**6**	2	0	2.00	0	8	0	1.88	1	7	0
SCC	X	1.40	0	**4**	0	1	2.60	0	2	3	2.00	0	5	0
Subgroup 10.6		Closure studs/nuts SA-540 Gr B23, Cl.3, PWR primary water In the event of flange leak 556°F to 559°F, 2250 psia												
EC		1.75	1	0	**7**	0	2.00	1	6	1	2.00	1	6	1
FAT		0.88	1	**7**	0	0	2.13	0	7	1	2.00	0	8	0
SCC		0.88	1	**7**	0	0	2.75	0	2	6	2.13	0	7	1
Subgroup 10.7		Cast stainless steel components CF8, PWR primary water 556°F to 559°F, 2250 psia												
FAT		1.25	0	**6**	2	0	2.25	0	6	2	2.00	1	6	1
FR		1.00	0	**7**	0	0	2.63	1	1	6	2.25	1	4	3
SCC		1.13	0	**7**	1	0	1.13	7	1	0	1.13	7	1	0
Subgroup 10.8		Dissimilar metal welds (Internal) Alloys 82, 182, PWR primary water 653°F, 2250 psia												
FAT		2.13	0	0	**7**	1	2.25	0	6	2	2.00	1	6	1
FR		1.29	1	3	**3**	0	2.13	2	3	3	1.88	3	3	2
SCC		2.88	0	0	1	**7**	3.00	0	0	8	2.13	2	3	3
Subgroup 10.9		Forged austenitic nozzles Alloy 600, PWR primary water 653°F, 2250 psia												
FAT		1.13	0	**7**	1	0	2.38	0	5	3	2.50	0	4	4
SCC		2.75	0	1	0	**7**	3.00	0	0	8	2.25	0	6	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 PRESSURIZED WATER REACTOR COMPONENTS

10 Reactor Coolant System

Reactor Pressure Vessel

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 10.10		CRDM Housing and canopy SS seals Type 304, 308, PWR Primary water 200°F to 600°F, 2250 psia (normally stagnant)												
CREV		1.25	0	**6**	2	0	2.50	0	4	4	2.38	1	3	4
FAT		1.50	0	4	**4**	0	2.75	0	2	6	2.13	1	5	2
SCC	*	1.88	0	3	**3**	2	2.63	0	3	5	2.13	1	5	2
Subgroup 10.11		Dissimilar metal welds Type 308, 309 External surface												
SCC		1.29	0	**5**	2	0	2.86	0	1	6	2.43	1	2	4
Subgroup 10.12		Dissimilar metal welds Alloys 82, 182 External surface												
SCC		1.14	0	**6**	1	0	2.71	0	2	5	2.43	0	4	3

* 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 PRESSURIZED WATER REACTOR COMPONENTS

11 Reactor Coolant System

Steam Generator

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 11.1		All stainless steel components External surfaces when at <150°C Containment air Normally dry when at low temp												
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 11.2		Shell plates/forgings/welds/brackets etc A533 Gr.A Cl.2, SA-508 Cl.2A, SA-516 PWR primary water, 544°F to 620°F, 1000 or 2250 psia												
BAC		1.13	1	**5**	2	0	2.63	0	3	5	2.25	0	6	2
CREV		1.00	0	**7**	0	0	2.86	0	1	6	2.86	0	1	6
FAC	*	0.88	3	**4**	0	1	2.50	0	4	4	2.50	0	4	4
FAT		1.00	0	**8**	0	0	2.88	0	1	7	2.88	0	1	7
PIT	*	1.00	1	**6**	1	0	2.63	0	3	5	2.25	1	4	3
SCC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.50	0	4	4
Subgroup 11.3		Low alloy steel nozzles/welds SA-216 Gr. WCC, PWR primary water 556°F to 620°F, 2250 psia												
BAC	*	0.75	3	**4**	1	0	2.63	0	3	5	2.25	0	6	2
CREV		0.75	2	**6**	0	0	2.63	0	3	5	2.50	0	4	4
FAC	*	0.88	3	**4**	0	1	2.50	0	4	4	2.50	0	4	4
FAT		1.00	0	**8**	0	0	2.88	0	1	7	2.88	0	1	7
PIT	*	1.00	1	**6**	1	0	2.63	0	3	5	2.25	1	4	3
SCC		1.13	0	**7**	1	0	2.63	0	3	5	2.50	0	4	4

PMDA FOR PRESSURIZED WATER REACTOR COMPONENTS

11 Reactor Coolant System

Steam Generator

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 11.4		Stainless cladding - Channel head Types 308, 309, PWR primary water 610°F to 620°F, 2250 psia												
DEBOND	*	1.00	1	**6**	1	0	2.75	0	2	6	2.63	0	3	5
FAT		1.63	0	3	**5**	0	2.63	1	1	6	2.63	1	1	6
FR	*	0.86	2	**4**	1	0	2.50	1	2	5	2.13	1	5	2
PIT		0.75	2	**6**	0	0	2.75	0	2	6	2.63	0	3	5
SCC		1.38	0	**5**	3	0	2.75	0	2	6	2.50	1	2	5
Subgroup 11.5		SG tubes/roll transitions/U-bends/sleeves/plugs Alloy 600 MA, PWR primary water 556°F to 620°F, 2250 psia												
FAT		1.75	0	2	**6**	0	2.00	0	8	0	1.88	1	7	0
SCC		2.50	0	0	4	**4**	3.00	0	0	8	2.50	1	2	5
Subgroup 11.6		SG tubes secondary side including crevices Alloy 600 MA, PWR secondary water 544°F to 620°F, 1000 psia												
FAT		1.50	0	4	**4**	0	2.38	0	5	3	2.38	0	5	3
PIT		1.00	0	**8**	0	0	2.75	0	2	6	2.75	0	2	6
SCC		3.00	0	0	0	**8**	2.88	0	1	7	2.38	0	5	3
WEAR		2.13	0	0	**7**	1	3.00	0	0	8	2.25	0	6	2
Subgroup 11.7		Dissimilar metal welds (Internal) Type 308, 309, PWR primary water 556°F to 620°F, 2250 psia												
FAT		1.75	0	2	**6**	0	2.00	0	8	0	1.88	1	7	0
FR		1.29	0	**5**	2	0	2.38	1	3	4	1.75	3	4	1
SCC		1.50	0	4	**4**	0	2.75	0	2	6	1.75	4	2	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 PRESSURIZED WATER REACTOR COMPONENTS

11 Reactor Coolant System

Steam Generator

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 11.8	Forged austenitic nozzles Type 316, PWR primary water 556°F to 620°F, 2250 psia													
FAT		1.25	0	**6**	2	0	2.13	0	7	1	2.00	1	6	1
SCC		0.88	1	**7**	0	0	2.50	0	4	4	2.25	0	6	2
Subgroup 11.9	Channel head divider plate Alloy 600, PWR primary water 556°F to 620°F, 2250 psia													
FAT		1.25	0	**6**	2	0	2.13	0	7	1	1.88	2	5	1
SCC		2.25	0	0	**6**	2	2.88	0	1	7	2.13	1	5	2
Subgroup 11.10	Primary and Secondary Manways SA-553 Gr. A, Containment air In the event of flange leak 544°F to 620°F, 1000 or 2250 psia													
BAC		1.75	0	2	**6**	0	2.25	0	6	2	2.13	0	7	1
FAT		1.00	0	**8**	0	0	2.13	0	7	1	2.13	0	7	1
SCC		1.00	0	**8**	0	0	2.88	0	1	7	2.25	0	6	2
Subgroup 11.11	Stainless cladding - Channel head Alloys 82, 52, PWR primary water 610°F to 620°F, 2250 psia													
DEBOND		1.14	1	**4**	2	0	2.86	0	1	6	2.86	0	1	6
FR		1.00	3	1	**3**	0	2.25	2	2	4	1.88	3	3	2
SCC		1.50	0	4	**4**	0	2.88	0	1	7	2.63	1	1	6
Subgroup 11.12	SG tubes/roll transitions/U-bends/sleeves/plugs Alloy 600 TT, PWR primary water 556°F to 620°F, 2250 psia													
FAT		1.63	0	3	**5**	0	2.25	0	6	2	2.25	0	6	2
SCC		2.25	0	0	**6**	2	2.88	0	1	7	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 PRESSURIZED WATER REACTOR COMPONENTS

11 Reactor Coolant System

Steam Generator

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 11.13	SG tubes/roll transitions/U-bends/sleeves/plugs Alloy 690 TT, PWR primary water 556°F to 620°F, 2250 psia													
FAT		1.50	0	4	**4**	0	2.25	0	6	2	2.25	0	6	2
SCC		1.38	0	**5**	3	0	2.88	0	1	7	2.63	1	1	6
Subgroup 11.14	SG tubes secondary side including crevices Alloy 600 TT, PWR secondary water 544°F to 620°F, 1000 psia													
FAT		1.38	0	**5**	3	0	2.50	0	4	4	2.50	0	4	4
PIT		1.13	0	**7**	1	0	3.00	0	0	8	2.75	0	2	6
SCC		2.25	0	0	**6**	2	2.88	0	1	7	2.25	0	6	2
WEAR		2.13	0	0	**7**	1	3.00	0	0	8	2.38	0	5	3
Subgroup 11.15	SG tubes secondary side including crevices Alloy 690 TT, PWR secondary water 544°F to 620°F, 1000 psia													
FAT		1.25	0	**6**	2	0	2.50	0	4	4	2.38	0	5	3
PIT		1.00	0	**8**	0	0	2.75	0	2	6	2.63	1	1	6
SCC		1.13	0	**7**	1	0	2.75	0	2	6	2.13	1	5	2
WEAR		1.63	0	3	**5**	0	2.63	0	3	5	2.13	0	7	1
Subgroup 11.16	Dissimilar metal welds (Internal) Alloys 82, 182, PWR primary water 556°F to 620°F, 2250 psia													
FAT		1.88	0	1	**7**	0	2.25	0	6	2	2.25	0	6	2
FR		1.43	1	2	**4**	0	2.25	2	2	4	1.75	3	4	1
SCC		2.88	0	0	1	**7**	3.00	0	0	8	2.13	1	5	2
Subgroup 11.17	Dissimilar metal welds Type 308, 309 External surface													
SCC		1.50	0	4	**4**	0	2.88	0	1	7	2.00	2	4	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 PRESSURIZED WATER REACTOR COMPONENTS

11 Reactor Coolant System

Steam Generator

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 11.18		Dissimilar metal welds Alloys 82, 182 External surface												
FAT		0.86	1	**6**	0	0	2.71	0	2	5	2.71	0	2	5
SCC		0.63	3	**5**	0	0	2.63	1	1	6	2.00	1	6	1
Subgroup 11.19		Channel head divider plate Alloy 690, PWR primary water 556°F to 620°F, 2250 psia												
FAT		1.13	0	**7**	1	0	2.25	0	6	2	2.00	1	6	1
SCC		1.00	0	**8**	0	0	2.63	0	3	5	2.25	1	4	3
Subgroup 11.20		Tube supports and/or preheater baffles Carbon steel, drilled holes, PWR secondary water 544°F to 620°F, 1000 psia												
CREV	X	1.50	0	**5**	2	1	2.88	0	1	7	2.75	0	2	6
FAC		2.25	0	0	**6**	2	2.63	0	3	5	2.38	0	5	3
FR		0.71	2	**5**	0	0	2.50	1	2	5	2.13	1	5	2
SCC		1.25	0	**6**	2	0	2.63	0	3	5	2.25	0	6	2
Subgroup 11.21		Tube supports Stainless steel, Line contact/drilled holes PWR secondary water, 544°F to 620°F, 1000 psia												
CREV	*	1.00	1	**6**	1	0	2.75	0	2	6	2.50	0	4	4
SCC		1.00	0	**8**	0	0	2.63	0	3	5	2.38	0	5	3
Subgroup 11.22		SG tubes/roll transitions/sleeves/plugs Alloy 600, SA and sensitized, PWR primary 556°F to 620°F, 2250 psia For B&W OTSGs												
FAT		1.50	0	4	**4**	0	2.50	0	4	4	2.38	0	5	3
SCC		2.13	0	1	**5**	2	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 PRESSURIZED WATER REACTOR COMPONENTS

11 Reactor Coolant System

Steam Generator

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 11.23		SG tubes secondary side including crevices Alloy 600, SA and sensitized PWR secondary water and superheated steam 544°F to 620°F, 1000 psia For B&W OTSGs												
FAT		1.38	0	**5**	3	0	2.63	0	3	5	2.50	0	4	4
PIT		1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6
SCC		2.88	0	0	1	**7**	3.00	0	0	8	2.75	0	2	6
WEAR	*	1.88	0	2	**5**	1	3.00	0	0	8	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 PRESSURIZED WATER REACTOR COMPONENTS

12 Reactor Coolant System

Reactor Vessel Internals

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 12.1		Austenitic stainless steel plates/tubes Type 304, PWR primary water, ≤0.5 dpa (low fluence) 556°F to 620 °F, 2250 psia												
FAT		1.00	0	**7**	0	0	2.86	0	1	6	2.71	1	0	6
SCC		0.88	1	**7**	0	0	3.00	0	0	8	2.75	0	2	6
Subgroup 12.2		Austenitic weld HAZs Types 304, PWR primary water, ≤0.5 dpa (low fluence) 556°F to 620 °F, 2250 psia												
FAT		1.00	0	**8**	0	0	2.38	0	5	3	2.13	1	5	2
SCC		1.13	0	**7**	1	0	2.75	0	2	6	2.63	1	1	6
Subgroup 12.3		Austenitic to austenitic weld metals Type 308, PWR primary water, ≤0.5 dpa (low fluence) 556°F to 620 °F, 2250 psia												
FAT		1.38	0	**5**	3	0	2.13	0	7	1	2.00	1	6	1
FR		1.00	0	**4**	0	0	2.25	0	3	1	1.75	1	3	0
SCC		1.14	0	**6**	1	0	2.43	0	4	3	2.57	0	3	4
Subgroup 12.4		Cold worked austenitic stainless steel Type 316, PWR primary water, ≤0.5 dpa (low fluence) 556°F to 620 °F, 2250 psia												
CREEP	X	1.25	0	**7**	0	1	2.25	0	6	2	2.13	0	7	1
FAT		1.63	0	3	**5**	0	2.25	0	6	2	1.63	5	1	2
SCC	*	1.71	1	1	**4**	1	2.57	0	3	4	2.29	0	5	2
Subgroup 12.5		Cast austenitic SS components PWR primary water 556°F to 620 °F, 2250 psia												
FAT		1.14	0	**6**	1	0	2.13	1	5	2	1.75	3	4	1
FR		1.38	0	**5**	3	0	2.88	0	1	7	2.38	1	3	4
SCC		1.13	0	**7**	1	0	1.13	7	1	0	1.13	7	1	0

* 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 PRESSURIZED WATER REACTOR COMPONENTS

12 Reactor Coolant System

Reactor Vessel Internals

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 12.6		Austenitic solution annealed holdown spring Type 304, PWR primary water 600°F, 2250 psia												
CREEP		2.00	0	0	**8**	0	2.88	0	1	7	2.00	0	8	0
FAT		1.17	0	**5**	1	0	2.14	1	4	2	1.86	1	6	0
SCC	*	1.00	1	**4**	1	0	2.57	1	1	5	2.43	1	2	4
Subgroup 12.7		High strength fasteners/springs Alloys X750, 718, PWR primary water 556°F to 620°F, 2250 psia												
FR		1.50	1	1	**4**	0	1.86	3	2	2	1.71	3	3	1
IC	*	1.88	0	2	**5**	1	2.88	0	1	7	2.13	0	7	1
SCC		2.00	0	0	**7**	0	2.86	0	1	6	2.00	0	7	0
Subgroup 12.8		Austenitic stainless steel plates/tubes Type 304, PWR primary water, >0.5 dpa (high fluence) 556°F to 620 °F, 2250 psia												
FAT		1.57	0	3	**4**	0	2.50	1	2	5	2.50	1	2	5
FR		1.71	0	2	**5**	0	2.38	2	1	5	2.25	2	2	4
IC		1.67	0	2	**4**	0	2.67	0	2	4	2.33	0	4	2
SCC	*	1.71	0	3	**3**	1	2.50	1	2	5	2.38	1	3	4
SW		2.00	0	0	**8**	0	2.00	0	8	0	2.00	0	8	0
Subgroup 12.9		Austenitic weld HAZs Types 304, PWR primary water, >0.5 dpa (high fluence) 556°F to 620 °F, 2250 psia												
FAT		1.29	0	**5**	2	0	2.00	1	6	1	1.75	3	4	1
FR		1.33	0	**4**	2	0	2.43	2	0	5	2.43	2	0	5
SCC	*	1.88	0	2	**5**	1	2.25	0	6	2	1.75	2	6	0
SW		2.00	0	0	**8**	0	2.00	0	8	0	2.00	0	8	0

* 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 PRESSURIZED WATER REACTOR COMPONENTS

12 Reactor Coolant System

Reactor Vessel Internals

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 12.10		Austenitic to austenitic weld metal components Type 308, PWR primary water, >0.5 dpa (high fluence) 556°F to 620 °F, 2250 psia												
FAT		1.57	0	3	**4**	0	1.88	1	7	0	1.63	3	5	0
FR		1.29	0	**5**	2	0	2.38	2	1	5	2.13	3	1	4
SCC	*	1.88	0	2	**5**	1	2.00	0	8	0	1.75	2	6	0
SW		2.00	0	0	**8**	0	2.00	0	8	0	2.00	0	8	0
Subgroup 12.11		Cold worked austenitic stainless steel components Type 316, PWR primary water, >0.5 dpa (high fluence) 556°F to 620 °F, 2250 psia												
FAT		1.71	0	2	**5**	0	1.88	1	7	0	1.50	4	4	0
FR		1.29	0	**5**	2	0	2.25	2	2	4	2.13	2	3	3
IC		2.86	0	0	1	**6**	2.50	2	0	6	1.75	2	6	0
SCC		3.00	0	0	0	**7**	2.75	1	0	7	2.00	1	6	1
SW		2.14	0	0	**6**	1	1.88	1	7	0	1.88	1	7	0
Subgroup 12.12		High strength baffle bolts Type A286, alloy X750, >0.5 dpa (high fluence) PWR primary water, 556°F to 620 °F, 2250 psia For B&W RVIs												
FAT		1.57	0	3	**4**	0	2.00	1	6	1	1.75	2	6	0
FR		1.71	0	2	**5**	0	2.00	3	2	3	1.63	4	3	1
IC		2.57	0	0	3	**4**	2.63	1	1	6	1.88	1	7	0
SCC		2.57	0	0	3	**4**	2.63	1	1	6	1.88	1	7	0
SW		2.14	0	0	**6**	1	1.88	1	7	0	1.88	1	7	0

* 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 PRESSURIZED WATER REACTOR COMPONENTS

13 Reactor Coolant System

Stop Valve Loop Bypass Piping

		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 Containment air Normally dry when at low temp												
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 13.2		Wrought austenitic stainless steel piping Types 304, 316, PWR primary water 600°F, 2250 psia												
FAT		1.13	0	**7**	1	0	2.50	0	4	4	2.38	1	3	4
SCC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.38	1	3	4
Subgroup 13.3.1		Austenitic weld HAZs Type 304, PWR primary water 600°F, 2250 psia												
FAT		1.13	0	**7**	1	0	2.00	0	8	0	1.88	1	7	0
SCC		1.25	0	**6**	2	0	2.75	0	2	6	2.50	1	2	5
Subgroup 13.3.2		Austenitic weld HAZs Type 316, PWR primary water 600°F, 2250 psia												
FAT		1.13	0	**7**	1	0	2.00	0	8	0	1.88	1	7	0
SCC		1.13	0	**7**	1	0	2.63	0	3	5	2.50	1	2	5
Subgroup 13.4		Austenitic to austenitic weld metals Type 308, PWR primary water 600°F, 2250 psia												
FAT		1.38	0	**5**	3	0	2.00	0	8	0	1.88	1	7	0
FR		1.14	0	**6**	1	0	2.38	1	3	4	1.88	2	5	1
SCC		1.13	0	**7**	1	0	2.50	0	4	4	2.25	1	4	3

* 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 PRESSURIZED WATER REACTOR COMPONENTS

13 Reactor Coolant System

Stop Valve Loop Bypass Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 13.5	Cast austenitic SS components PWR primary water 600 °F, 2250 psia													
	FAT	1.14	0	**6**	1	0	2.13	1	5	2	1.88	1	7	0
	FR	1.25	0	**6**	2	0	2.88	0	1	7	2.63	0	3	5
	SCC	1.13	0	**7**	1	0	1.13	7	1	0	1.13	7	1	0
Subgroup 13.6	Forged austenitic stainless steel nozzles Types 304, 316, PWR primary water 600°F, 2250 psia													
	FAT	1.38	0	**5**	3	0	2.00	0	8	0	1.75	2	6	0
	SCC	1.00	0	**4**	0	0	2.50	0	2	2	2.00	0	4	0

✱ 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 PRESSURIZED WATER REACTOR COMPONENTS

14 Emergency Core Cooling Systems

RWST Header Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 14.1	All stainless steel components External surfaces Auxiliary building air Ambient Temp, 15 psia													
PIT		1.13	0	**7**	1	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 14.2	Wrought austenitic stainless steel piping Types 304, 316 Borated demin water (usually stagnant) 100°F, 15 psia													
FAT		0.88	1	**7**	0	0	2.75	0	2	6	2.50	1	2	5
MIC		1.00	0	**8**	0	0	2.13	0	7	1	2.13	0	7	1
SCC		0.63	3	**5**	0	0	3.00	0	0	8	2.75	0	2	6
Subgroup 14.3	Austenitic weld HAZs Types 304, 316 Borated demin water (usually stagnant) 100°F, 15 psia													
FAT		0.88	1	**7**	0	0	2.88	0	1	7	2.13	0	7	1
MIC		1.00	0	**8**	0	0	2.13	0	7	1	2.13	0	7	1
SCC		1.50	0	4	**4**	0	3.00	0	0	8	2.88	0	1	7
Subgroup 14.4	Austenitic to austenitic weld metals Type 308 Borated demin water (usually stagnant) 100°F, 15 psia													
FAT		0.88	1	**7**	0	0	2.88	0	1	7	2.13	0	7	1
MIC		1.00	0	**8**	0	0	2.13	0	7	1	2.13	0	7	1
SCC		0.57	3	**4**	0	0	3.00	0	0	7	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 PRESSURIZED WATER REACTOR COMPONENTS

14 Emergency Core Cooling Systems

RWST Header Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 14.5		Forged austenitic stainless steel nozzles Types 304, 316 Borated demin water (usually stagnant) 100°F, 15 psia												
FAT		0.88	1	**7**	0	0	2.88	0	1	7	2.13	0	7	1
MIC		1.00	0	**8**	0	0	2.13	0	7	1	2.13	0	7	1
SCC		0.57	3	**4**	0	0	2.86	0	1	6	2.71	0	2	5
Subgroup 14.6		Socket welds Type 304 Borated demin water (usually stagnant) 100°F, 15 psia												
FAT		2.00	0	0	**8**	0	2.63	0	3	5	2.00	0	8	0
SCC	*	1.00	1	**4**	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 PRESSURIZED WATER REACTOR COMPONENTS

15 Emergency Core Cooling Systems

CVCS Pump Suction Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 15.1		All stainless steel components External surfaces Auxiliary building air Ambient, 15 psia												
PIT	X	1.25	0	**7**	0	1	3.00	0	0	8	2.88	0	1	7
SCC		1.13	0	**7**	1	0	3.00	0	0	8	2.88	0	1	7
Subgroup 15.2		Wrought austenitic stainless steel piping Types 304, 316, Borated demin water 100-200°F, 15-50 psia												
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.50	1	2	5
MIC		1.00	0	**8**	0	0	2.13	0	7	1	2.13	0	7	1
SCC	*	0.75	3	**4**	1	0	3.00	0	0	8	2.75	0	2	6
Subgroup 15.3		Austenitic weld HAZs Types 304, 316, Borated demin water 100-200°F, 15-50 psia												
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.13	0	7	1
MIC		1.00	0	**8**	0	0	2.13	0	7	1	2.13	0	7	1
SCC		1.50	1	2	**5**	0	3.00	0	0	8	2.88	0	1	7
Subgroup 15.4		Austenitic to austenitic weld metals Type 308, Borated demin water 100-200°F, 15-50 psia												
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.13	0	7	1
MIC		1.00	0	**8**	0	0	2.13	0	7	1	2.13	0	7	1
SCC	*	0.88	3	**3**	2	0	2.75	0	2	6	2.50	0	4	4
Subgroup 15.5		Forged austenitic stainless steel nozzles Types 304, 316, Borated demin water 100-200°F, 15-50 psia												
FAT		1.00	0	**7**	0	0	2.86	0	1	6	2.14	0	6	1
MIC		1.00	0	**8**	0	0	2.13	0	7	1	2.13	0	7	1
SCC	*	0.88	3	**3**	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 PRESSURIZED WATER REACTOR COMPONENTS

15 Emergency Core Cooling Systems

CVCS Pump Suction Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 15.6		Socket welds Type 304, Borated demin water 100-200°F, 15-50 psia												
	FAT	2.00	0	0	**8**	0	2.63	0	3	5	2.00	0	8	0

✱ 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 PRESSURIZED WATER REACTOR COMPONENTS

16 Emergency Core Cooling Systems

SI Pump Suction Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 16.1	All stainless steel components External surfaces Auxiliary building air Ambient, 15-100 psia													
PIT		1.13	0	**7**	1	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 16.2	Wrought austenitic stainless steel piping Types 304, 316 Borated demin water (normally stagnant) Ambient, 15-100 psia													
FAT		0.88	1	**7**	0	0	2.75	0	2	6	2.50	1	2	5
MIC		1.00	0	**8**	0	0	2.13	0	7	1	2.13	0	7	1
SCC		0.63	3	**5**	0	0	3.00	0	0	8	2.75	0	2	6
Subgroup 16.3	Austenitic weld HAZs Types 304, 316 Borated demin water (normally stagnant) Ambient, 15-100 psia													
FAT		0.88	1	**7**	0	0	2.88	0	1	7	2.13	0	7	1
MIC		1.00	0	**8**	0	0	2.13	0	7	1	2.13	0	7	1
SCC		1.38	1	3	**4**	0	3.00	0	0	8	2.88	0	1	7
Subgroup 16.4	Austenitic to austenitic weld metals Type 308 Borated demin water (normally stagnant) Ambient, 15-100 psia													
FAT		0.88	1	**7**	0	0	2.88	0	1	7	2.13	0	7	1
MIC		1.00	0	**8**	0	0	2.13	0	7	1	2.13	0	7	1
SCC		0.63	3	**5**	0	0	2.88	0	1	7	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 PRESSURIZED WATER REACTOR COMPONENTS

16 Emergency Core Cooling Systems

SI Pump Suction Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 16.5	Forged austenitic stainless steel nozzles Types 304, 316 Borated demin water (normally stagnant) Ambient, 15-100 psia													
	FAT	0.88	1	**7**	0	0	2.88	0	1	7	2.13	0	7	1
	MIC	1.00	0	**8**	0	0	2.13	0	7	1	2.13	0	7	1
	SCC	0.63	3	**5**	0	0	2.88	0	1	7	2.63	0	3	5
Subgroup 16.6	Socket welds Type 304 Borated demin water (normally stagnant) Ambient, 15-100 psia													
	FAT	2.00	0	0	**8**	0	2.75	0	2	6	2.00	0	8	0

PMDA FOR PRESSURIZED WATER REACTOR COMPONENTS

17 Emergency Core Cooling Systems

RHR Pump Suction Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 17.1	All stainless steel components External surfaces Auxiliary building air 100°F to 350°F, 15 to 400 psia													
PIT		1.13	0	**7**	1	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 17.2	Wrought austenitic stainless steel piping Types 304, 316 Borated demin water (normally stagnant) 100°F to 350°F, 15 to 400 psia													
FAT	*	1.00	1	**6**	1	0	2.75	0	2	6	2.50	1	2	5
SCC	*	0.75	3	**4**	1	0	3.00	0	0	8	2.75	0	2	6
Subgroup 17.3	Austenitic weld HAZs Types 304, 316 Borated demin water (normally stagnant) 100°F to 350°F, 15 to 400 psia													
FAT		0.88	1	**7**	0	0	2.88	0	1	7	2.13	0	7	1
SCC		1.50	1	2	**5**	0	3.00	0	0	8	2.88	0	1	7
Subgroup 17.4	Austenitic to austenitic weld metals Type 308 Borated demin water (normally stagnant) 100°F to 350°F, 15 to 400 psia													
FAT		0.88	1	**7**	0	0	2.88	0	1	7	2.13	0	7	1
SCC	*	0.75	3	**4**	1	0	3.00	0	0	8	2.75	0	2	6
Subgroup 17.5	Cast austenitics Borated demin water (normally stagnant) 100°F to 350°F, 15 to 400 psia													
FAT	*	1.00	1	**6**	1	0	2.75	0	2	6	2.13	0	7	1
FR	*	1.00	1	**5**	1	0	2.38	1	3	4	2.13	1	5	2
SCC	*	0.86	2	**4**	1	0	2.14	3	0	4	2.00	3	1	3

* 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 PRESSURIZED WATER REACTOR COMPONENTS

17 Emergency Core Cooling Systems

RHR Pump Suction Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 17.6		Forged austenitic stainless steel nozzles Types 304, 316 Borated demin water (normally stagnant) 100°F to 350°F, 15 to 400 psia												
FAT		0.88	1	**7**	0	0	2.88	0	1	7	2.13	0	7	1
SCC	*	0.75	3	**4**	1	0	2.88	0	1	7	2.75	0	2	6
Subgroup 17.7		Socket welds Type 304 Borated demin water (normally stagnant) Ambient, <100 psia												
FAT		2.00	0	0	**8**	0	2.63	0	3	5	2.00	0	8	0

* 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 PRESSURIZED WATER REACTOR COMPONENTS

18 Emergency Core Cooling Systems

Accumulator Piping to RCS Cold Leg

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 18.1	All stainless steel components External surfaces Containment air 100°F to 150°F, 640 psia (inside condition)													
PIT		1.13	0	**7**	1	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 18.2	Wrought austenitic stainless steel piping Types 304, 316 Borated demin water (normally stagnant) 100°F to 150°F, 640 psia													
FAT		0.88	1	**7**	0	0	2.75	0	2	6	2.50	1	2	5
MIC		1.00	0	**8**	0	0	2.13	0	7	1	2.13	0	7	1
SCC		0.63	3	**5**	0	0	3.00	0	0	8	2.75	0	2	6
Subgroup 18.3	Austenitic weld HAZs Types 304, 316 Borated demin water (normally stagnant) 100°F to 150°F, 640 psia													
FAT		0.88	1	**7**	0	0	2.88	0	1	7	2.13	0	7	1
MIC		1.00	0	**8**	0	0	2.13	0	7	1	2.13	0	7	1
SCC		1.50	1	2	**5**	0	3.00	0	0	8	2.88	0	1	7
Subgroup 18.4	Austenitic to austenitic weld metals Type 308 Borated demin water (normally stagnant) 100°F to 150°F, 640 psia													
FAT		0.88	1	**7**	0	0	2.88	0	1	7	2.13	0	7	1
MIC		1.00	0	**8**	0	0	2.13	0	7	1	2.13	0	7	1
SCC		0.63	3	**5**	0	0	3.00	0	0	8	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 PRESSURIZED WATER REACTOR COMPONENTS

18 Emergency Core Cooling Systems

Accumulator Piping to RCS Cold Leg

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 18.5		Dissimilar metal welds Type 308, 309, Alloys 82, 182 Borated demin water (normally stagnant) 100°F to 150°F, 640 psia												
FAT	*	1.00	1	**6**	1	0	2.25	0	6	2	2.00	0	8	0
FR		1.14	1	**4**	2	0	1.88	3	3	2	1.75	3	4	1
MIC		1.00	0	**8**	0	0	2.00	1	6	1	2.00	1	6	1
SCC		1.25	1	**4**	3	0	2.75	0	2	6	2.25	1	4	3
Subgroup 18.6		Forged austenitic stainless steel nozzles Types 304, 316 Borated demin water (normally stagnant) 100°F to 150°F, 640 psia												
FAT		0.88	1	**7**	0	0	2.88	0	1	7	2.13	0	7	1
MIC		1.00	0	**8**	0	0	2.13	0	7	1	2.13	0	7	1
SCC		0.63	3	**5**	0	0	2.88	0	1	7	2.63	0	3	5
Subgroup 18.7		Socket welds Type 304 Borated demin water (normally stagnant) 100°F to 150°F, 640 psia												
FAT		2.00	0	0	**8**	0	2.63	0	3	5	2.00	0	8	0
Subgroup 18.8		Dissimilar metal welds Type 308, 309, Alloys 82/182 External surface												
SCC		1.75	0	2	**6**	0	2.88	0	1	7	2.13	0	7	1
Subgroup 18.9		All stainless steel components External surfaces when at <150C Containment air, Normally dry when at low temp 600°F, 2250 psia (inside condition)												
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

* 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 PRESSURIZED WATER REACTOR COMPONENTS

18 Emergency Core Cooling Systems

Accumulator Piping to RCS Cold Leg

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 18.10.1		Austenitic weld HAZs Type 304, PWR primary water 600°F, 2250 psia												
FAT		1.38	0	**5**	3	0	2.13	0	7	1	2.00	1	6	1
SCC	X	1.50	0	**5**	2	1	2.88	0	1	7	2.63	1	1	6
Subgroup 18.10.2		Austenitic weld HAZs Type 316, PWR primary water 600°F, 2250 psia												
FAT		1.38	0	**5**	3	0	2.13	0	7	1	2.00	1	6	1
SCC	X	1.38	0	**6**	1	1	2.75	0	2	6	2.63	1	1	6
Subgroup 18.11		Austenitic to austenitic weld metals Type 308, PWR primary water 600°F, 2250 psia												
FAT		1.50	0	4	**4**	0	2.13	0	7	1	2.00	1	6	1
FR	*	1.00	1	**5**	1	0	2.38	1	3	4	1.88	2	5	1
SCC		1.14	0	**6**	1	0	2.86	0	1	6	2.29	2	1	4
Subgroup 18.12		Forged austenitic stainless steel nozzles Types 304, 316, PWR primary water 600°F, 2250 psia												
FAT		1.63	0	3	**5**	0	2.13	0	7	1	1.88	2	5	1
SCC		1.13	1	**5**	2	0	2.75	0	2	6	2.50	0	4	4
Subgroup 18.13		Dissimilar metal welds (Internal) Type 308, 309, Alloys 82, 182 PWR primary water, 600°F, 2250 psia For CE and B&W plants												
FAT		1.75	0	2	**6**	0	2.13	0	7	1	1.88	1	7	0
FR		1.38	0	**5**	3	0	2.25	1	4	3	2.25	1	4	3
SCC		2.50	0	0	4	**4**	3.00	0	0	8	1.75	3	4	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 PRESSURIZED WATER REACTOR COMPONENTS

19 Emergency Core Cooling Systems

SI/RHR Piping to RCS Hot Leg

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 19.1		All stainless steel components External surfaces Containment/ Auxiliary buidling air 100°F to 350°F, 15 to 400 psia (inside condition)												
PIT		1.13	0	**7**	1	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 19.2		Wrought austenitic stainless steel piping Types 304, 316, Borated demin water (normally stagnant) 100°F to 350°F, 15 to 400 psia												
FAT	*	1.00	1	**6**	1	0	2.75	0	2	6	2.50	1	2	5
SCC		0.63	3	**5**	0	0	3.00	0	0	8	2.75	0	2	6
Subgroup 19.3		Austenitic weld HAZs Types 304, 316, Borated demin water (normally stagnant) 100°F to 350°F, 15 to 400 psia												
FAT		0.88	1	**7**	0	0	2.88	0	1	7	2.25	0	6	2
SCC		1.50	1	2	**5**	0	3.00	0	0	8	2.88	0	1	7
Subgroup 19.4		Austenitic to austenitic weld metals Type 308, Borated demin water (normally stagnant) 100°F to 350°F, 15 to 400 psia												
FAT		0.88	1	**7**	0	0	2.88	0	1	7	2.13	0	7	1
SCC		0.63	3	**5**	0	0	3.00	0	0	8	2.75	0	2	6
Subgroup 19.5		Forged austenitic stainless steel nozzles Types 304, 316, Borated demin water (normally stagnant) 100°F to 350°F, 15 to 400 psia												
FAT		0.88	1	**7**	0	0	2.88	0	1	7	2.13	0	7	1
SCC		0.63	3	**5**	0	0	2.88	0	1	7	2.75	0	2	6
Subgroup 19.6		Socket welds Type 304, Borated demin water (normally stagnant) 100°F to 350°F, 15 to 400 psia												
FAT		1.75	1	0	**7**	0	2.63	0	3	5	2.00	0	8	0
SCC	*	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 PRESSURIZED WATER REACTOR COMPONENTS

19 Emergency Core Cooling Systems

SI/RHR Piping to RCS Hot Leg

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 19.7		All stainless steel components External surfaces when at <150C Containment air (Normally dry when at low temp) 600°F , 2250 psia (inside condition)												
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 19.8.1		Austenitic weld HAZs Type 304, PWR primary water 600°F , 2250 psia												
FAT		1.38	0	**5**	3	0	2.13	0	7	1	2.00	1	6	1
SCC	X	1.50	0	**5**	2	1	2.75	0	2	6	2.50	1	2	5
Subgroup 19.8.2		Austenitic weld HAZs Type 316, PWR primary water 600°F , 2250 psia												
FAT		1.38	0	**5**	3	0	2.13	0	7	1	2.00	1	6	1
SCC	X	1.38	0	**6**	1	1	2.63	0	3	5	2.50	1	2	5
Subgroup 19.9		Austenitic to austenitic weld metals Type 308, PWR primary water 600°F , 2250 psia												
FAT		1.50	0	4	**4**	0	2.13	0	7	1	2.00	1	6	1
FR		1.14	0	**6**	1	0	2.25	1	4	3	1.88	2	5	1
SCC		1.25	0	**6**	2	0	2.50	0	4	4	2.13	2	3	3
Subgroup 19.10		Dissimilar metal welds (Internal) Type 308, 309, Alloys 82, 182 PWR primary water, 600°F , 2250 psia For CE and B&W plants Covered in RCS groups												
FAT		2.00	0	0	**8**	0	2.00	0	8	0	2.00	0	8	0
FR		1.38	0	**5**	3	0	2.13	1	5	2	2.13	1	5	2
SCC		2.75	0	0	2	**6**	2.88	0	1	7	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 PRESSURIZED WATER REACTOR COMPONENTS

19 Emergency Core Cooling Systems

SI/RHR Piping to RCS Hot Leg

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 19.11		Forged austenitic stainless steel nozzles Types 304, 316, PWR primary water 600°F , 2250 psia												
	FAT	1.63	0	3	**5**	0	2.13	0	7	1	1.88	2	5	1
	SCC	1.25	1	**4**	3	0	2.50	0	4	4	2.25	0	6	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 PRESSURIZED WATER REACTOR COMPONENTS

20 Emergency Core Cooling Systems

RHR Pump Discharge Piping

		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 Auxiliary building air 100°F to 350°F, 15 to 400 psia (inside condition)													
PIT		1.13	0	**7**	1	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	Wrought austenitic stainless steel piping Types 304, 316, Borated demin water 100°F to 350°F, 15 to 400 psia													
FAT		1.25	0	**6**	2	0	2.63	0	3	5	2.50	1	2	5
SCC		0.63	3	**5**	0	0	3.00	0	0	8	2.75	0	2	6
Subgroup 20.3	Austenitic weld HAZs Types 304, 316, Borated demin water 100°F to 350°F, 15 to 400 psia													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.13	0	7	1
SCC		1.25	1	**4**	3	0	3.00	0	0	8	2.88	0	1	7
Subgroup 20.4	Austenitic to austenitic weld metals Type 308, Borated demin water 100°F to 350°F, 15 to 400 psia													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.13	0	7	1
SCC		0.63	3	**5**	0	0	3.00	0	0	8	2.75	0	2	6
Subgroup 20.5	Forged austenitic stainless steel nozzles Types 304, 316, Borated demin water 100°F to 350°F, 15 to 400 psia													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.13	0	7	1
SCC		0.63	3	**5**	0	0	2.88	0	1	7	2.75	0	2	6
Subgroup 20.6	Socket welds Type 304, Borated demin water 100°F to 350°F, 15 to 400 psia													
FAT		2.00	0	0	**8**	0	2.63	0	3	5	2.00	0	8	0
SCC	*	0.88	2	**5**	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 PRESSURIZED WATER REACTOR COMPONENTS

21 Emergency Core Cooling Systems

RHR Piping to RCS Cold Leg

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 21.1		All stainless steel components External surfaces Auxiliary buidling air 100°F to 350°F, 15 to 400 psia (inside condition)												
PIT		1.13	0	**7**	1	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 21.2		Wrought austenitic stainless steel piping Types 304, 316, Borated demin water 100°F to 350°F, 15 to 400 psia												
FAT		1.25	0	**6**	2	0	2.63	0	3	5	2.50	1	2	5
SCC		0.63	3	**5**	0	0	3.00	0	0	8	2.75	0	2	6
Subgroup 21.3		Austenitic weld HAZs Types 304, 316, Borated demin water 100°F to 350°F, 15 to 400 psia												
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.13	0	7	1
SCC		1.50	1	2	**5**	0	3.00	0	0	8	2.88	0	1	7
Subgroup 21.4		Austenitic to austenitic weld metals Type 308, Borated demin water 100°F to 350°F, 15 to 400 psia												
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.13	0	7	1
SCC		0.63	3	**5**	0	0	3.00	0	0	8	2.75	0	2	6
Subgroup 21.5		Forged austenitic stainless steel nozzles Types 304, 316, Borated demin water 100°F to 350°F, 15 to 400 psia												
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.13	0	7	1
SCC		0.63	3	**5**	0	0	2.88	0	1	7	2.75	0	2	6
Subgroup 21.6		Socket welds Type 304, Borated demin water 100°F to 350°F, 15 to 400 psia												
FAT		2.00	0	0	**8**	0	2.63	0	3	5	2.00	0	8	0
SCC	*	0.88	2	**5**	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 PRESSURIZED WATER REACTOR COMPONENTS

22 Emergency Core Cooling Systems

CVCS Piping to RCS Cold Leg

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 22.1	All stainless steel components External surfaces Containment/Auxiliary building air 200°F, 2250 psia (inside condition)													
PIT		1.13	0	**7**	1	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 22.2	Wrought austenitic stainless steel piping Types 304, 316, Borated demin water 200°F, 2250 psia													
FAT		1.25	0	**6**	2	0	2.63	0	3	5	2.50	1	2	5
SCC		0.63	3	**5**	0	0	3.00	0	0	8	2.75	0	2	6
Subgroup 22.3	Austenitic weld HAZs Types 304, 316, Borated demin water 200°F, 2250 psia													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.13	0	7	1
SCC		1.50	1	2	**5**	0	3.00	0	0	8	2.88	0	1	7
Subgroup 22.4	Austenitic to austenitic weld metals Type 308, Borated demin water 200°F, 2250 psia													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.13	0	7	1
SCC	*	0.75	3	**4**	1	0	3.00	0	0	8	2.63	0	3	5
Subgroup 22.5	Austenitic to austenitic weld metals Type 308, PWR primary water 560°F, 2250 psia													
FAT		1.13	0	**7**	1	0	2.25	0	6	2	2.00	1	6	1
FR		1.00	0	**7**	0	0	2.38	1	3	4	2.00	2	4	2
SCC		1.13	0	**7**	1	0	2.75	0	2	6	2.25	2	2	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 PRESSURIZED WATER REACTOR COMPONENTS

22 Emergency Core Cooling Systems

CVCS Piping to RCS Cold Leg

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 22.6		Forged austenitic stainless steel nozzles Types 304, 316, Borated demin water 200°F, 2250 psia												
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.13	0	7	1
SCC	*	0.75	3	**4**	1	0	2.88	0	1	7	2.75	0	2	6
Subgroup 22.7		Socket welds Type 304, Borated demin water 200°F, 2250 psia												
FAT		2.00	0	0	**8**	0	2.63	0	3	5	2.00	0	8	0
SCC	*	0.88	2	**5**	1	0	2.88	0	1	7	2.75	0	2	6
Subgroup 22.8		Dissimilar metal welds (Internal) Type 308, 309, Alloys 82, 182 PWR primary water, 600°F, 2250 psia For CE and B&W plants												
FAT		2.00	0	0	**8**	0	2.00	0	8	0	2.00	0	8	0
FR		1.38	0	**5**	3	0	2.13	1	5	2	2.13	1	5	2
SCC		2.88	0	0	1	**7**	3.00	0	0	8	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 PRESSURIZED WATER REACTOR COMPONENTS

23 Emergency Core Cooling Systems

Safety Injection Pump Discharge Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 23.1		All stainless steel components External surfaces Auxiliary building air 100°F, 1500-1700 psia (inside condition)												
PIT		1.00	0	**7**	0	0	3.00	0	0	7	2.86	0	1	6
SCC		1.00	0	**7**	0	0	3.00	0	0	7	2.86	0	1	6
Subgroup 23.2		Wrought austenitic stainless steel piping Types 304, 316, Borated demin water 100°F, 1500-1700 psia												
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.50	1	2	5
MIC		1.00	0	**8**	0	0	2.13	0	7	1	2.00	0	8	0
SCC		0.63	3	**5**	0	0	3.00	0	0	8	2.75	0	2	6
Subgroup 23.3		Austenitic weld HAZs Types 304, 316, Borated demin water 100°F, 1500-1700 psia												
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.25	0	6	2
MIC		1.00	0	**8**	0	0	2.13	0	7	1	2.00	0	8	0
SCC		1.38	1	3	**4**	0	3.00	0	0	8	2.88	0	1	7
Subgroup 23.4		Austenitic to austenitic weld metals Type 308, Borated demin water 100°F, 1500-1700 psia												
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.25	0	6	2
MIC		1.00	0	**8**	0	0	2.13	0	7	1	2.00	0	8	0
SCC	*	0.88	3	**3**	2	0	3.00	0	0	8	2.75	0	2	6
Subgroup 23.5		Forged austenitic stainless steel parts Types 304, 316, Borated demin water 100°F, 1500-1700 psia												
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.13	0	7	1
MIC		1.00	0	**8**	0	0	2.13	0	7	1	2.00	0	8	0
SCC	*	0.75	3	**4**	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 PRESSURIZED WATER REACTOR COMPONENTS

23 Emergency Core Cooling Systems

Safety Injection Pump Discharge Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 23.6		Socket welds Type 304, Borated demin water 100°F, 1500-1700 psia												
FAT		1.88	0	1	**7**	0	2.75	0	2	6	2.13	0	7	1
SCC	*	0.88	2	**5**	1	0	2.88	0	1	7	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 PRESSURIZED WATER REACTOR COMPONENTS

24 Steam & Power Conversion System

Main Steam

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 24.1		All carbon and low-alloy steel components External surfaces (normally dry) Containment/Turbine buidling air 445-530°F, 1035-1235 psia (inside condition)												
BAC		1.25	0	**6**	2	0	2.50	0	4	4	2.50	0	4	4
PIT		1.13	0	**7**	1	0	2.88	0	1	7	2.75	0	2	6
SCC		0.75	2	**6**	0	0	2.75	0	2	6	2.75	0	2	6
Subgroup 24.2		All carbon steel components and weldments Saturated steam (<0.25% moisture) 445-530°F, 1035-1235 psia												
FAC		2.25	0	0	**6**	2	2.88	0	1	7	3.00	0	0	8
FAT		1.25	0	**6**	2	0	2.38	0	5	3	2.38	0	5	3
SCC		1.13	0	**7**	1	0	2.75	0	2	6	2.63	0	3	5
Subgroup 24.3		Low alloy steel components Saturated steam (<0.25% moisture) 445-530°F, 1035-1235 psia												
FAC	X	1.38	0	**6**	1	1	2.88	0	1	7	3.00	0	0	8
SCC		1.00	0	**8**	0	0	2.63	0	3	5	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 PRESSURIZED WATER REACTOR COMPONENTS

25 Steam & Power Conversion System

Main Feedwater System

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 25.1		All carbon steel components/welds/HAZ External surfaces Containment or valve room, Some plants outdoor 400°F max (external surface), 1200psia (inside condition)												
FAT		1.00	0	**7**	0	0	2.86	0	1	6	2.86	0	1	6
PIT		1.00	0	**8**	0	0	2.88	0	1	7	2.88	0	1	7
SCC		0.88	1	**7**	0	0	2.75	0	2	6	2.88	0	1	7
Subgroup 25.2		I-690 forging and associated weld/HAZ External surfaces Containment air 400°F max (external surface), 1200psia (inside condition)												
FR		0.57	**4**	2	1	0	2.63	1	1	6	2.25	1	4	3
PIT		0.50	4	**4**	0	0	3.00	0	0	8	2.88	0	1	7
Subgroup 25.3		I-690 forging and associated weld/HAZ Demineralized pH 9-10 water 450°F, 1200 psia												
FAT		1.25	0	**6**	2	0	2.13	1	5	2	2.13	1	5	2
FR		0.57	**4**	2	1	0	2.50	1	2	5	2.00	2	4	2
SCC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.25	0	6	2
Subgroup 25.4		All carbon steel components/welds/HAZ Demineralized pH 9-10 water 450°F, 1200 psia												
FAC		2.50	0	0	4	**4**	2.88	0	1	7	2.88	0	1	7
FAT	*	2.00	0	1	**6**	1	2.50	0	4	4	2.63	0	3	5
SCC		1.38	0	**5**	3	0	2.63	0	3	5	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 PRESSURIZED WATER REACTOR COMPONENTS

26 Steam & Power Conversion System

Auxiliary Feedwater System

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 26.1	All carbon steel components/welds/HAZ External surfaces Auxiliary building air 100°F max, 1200psia (inside condition)													
CREV		1.00	0	**8**	0	0	2.75	0	2	6	2.75	0	2	6
PIT		1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
SCC		0.88	1	**7**	0	0	2.75	0	2	6	2.75	0	2	6
Subgroup 26.2	All carbon steel components/welds/HAZ Condensate Water 100°F, 1200 psia													
CREV		1.00	0	**8**	0	0	2.88	0	1	7	2.88	0	1	7
FAT		1.50	0	4	**4**	0	2.75	0	2	6	2.75	0	2	6
MIC		1.75	0	2	**6**	0	2.63	0	3	5	2.75	0	2	6
PIT		1.25	0	**6**	2	0	2.88	0	1	7	2.88	0	1	7
SCC		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 PRESSURIZED WATER REACTOR COMPONENTS

27 Steam & Power Conversion System

Steam Generator Blowdown

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 27.1		All carbon steel components/welds/HAZ External surfaces Containment/valve room air 400°F max (external surface), 1200 psia (inside condition)												
MIC		0.25	**6**	2	0	0	2.88	0	1	7	2.75	0	2	6
PIT		1.00	0	**8**	0	0	2.88	0	1	7	2.88	0	1	7
SCC		0.88	1	**7**	0	0	2.75	0	2	6	2.75	0	2	6
Subgroup 27.2		All carbon steel components/welds/HAZ Saturated water from Steam Generator 550°F, 1200 psia												
FAC		2.38	0	0	**5**	3	2.75	0	2	6	2.75	0	2	6
FAT	*	1.88	0	2	**5**	1	2.75	0	2	6	2.75	0	2	6
SCC		1.25	0	**6**	2	0	2.75	0	2	6	2.63	0	3	5
Subgroup 27.3		All carbon steel components/welds/HAZ Wet Layup Line, Demin water 60-100°F, 100 psia												
MIC		1.43	0	**4**	3	0	2.86	0	1	6	2.86	0	1	6
PIT		1.43	0	**4**	3	0	2.86	0	1	6	2.86	0	1	6
SCC	*	1.00	1	**5**	1	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 PRESSURIZED WATER REACTOR COMPONENTS

28 Support System

Service Water Suction Piping from Pond

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 28.1		All carbon steel components/welds/HAZ External surfaces Auxiliary building /valve room air 100°F max, 35 to 125 psia design max (inside condition)												
MIC		0.88	1	**7**	0	0	2.75	0	2	6	2.75	0	2	6
PIT		1.00	0	**8**	0	0	2.88	0	1	7	2.88	0	1	7
SCC	*	0.86	2	**4**	1	0	2.86	0	1	6	2.86	0	1	6
Subgroup 28.2		All carbon steel components/welds/HAZ External surface - Buried pipe with cathodic protection Ambient temperature, 35 to 125 psia max (inside condition)												
FAT	*	1.00	1	**4**	1	0	3.00	0	0	6	3.00	0	0	6
GC		1.75	0	2	**6**	0	2.75	0	2	6	2.75	0	2	6
MIC		1.63	0	3	**5**	0	2.63	0	3	5	2.63	0	3	5
PIT		1.75	0	2	**6**	0	2.63	0	3	5	2.63	0	3	5
SCC		1.50	0	4	**4**	0	2.75	0	2	6	2.75	0	2	6
Subgroup 28.3		All carbon steel components/welds/HAZ Pond water (raw water) 100°F, 35 to 125 psia design												
FAC		1.14	0	**6**	1	0	2.43	0	4	3	2.43	0	4	3
MIC	*	2.00	0	2	**4**	2	2.88	0	1	7	2.75	0	2	6
PIT	*	1.88	0	3	**3**	2	2.88	0	1	7	2.75	0	2	6
SCC		1.00	0	**8**	0	0	2.75	0	2	6	2.63	0	3	5
Subgroup 28.4		All carbon steel components/welds/HAZ Salt water in coated/lined pipe 100°F, 35 to 125 psia design												
CREV		2.29	0	0	**5**	2	2.86	0	1	6	2.71	0	2	5
MIC		2.13	0	0	**7**	1	2.63	0	3	5	2.63	0	3	5
PIT		2.43	0	0	**4**	3	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 PRESSURIZED WATER REACTOR COMPONENTS

29 Support System

Service Water Pump Discharge Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 29.1		All carbon steel components/welds/HAZ External surfaces, Auxiliary building air Rubber insulated at some plants 100°F max, 125 psia design max (inside condition)												
MIC		1.13	1	**5**	2	0	2.75	0	2	6	2.75	0	2	6
PIT		1.38	0	**5**	3	0	2.88	0	1	7	2.88	0	1	7
SCC		1.00	0	**8**	0	0	2.75	0	2	6	2.75	0	2	6
Subgroup 29.2		All carbon steel components/welds/HAZ Pond water 100°F max, 125 psia design												
FAC		1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.63	0	3	5
MIC	*	2.00	0	1	**6**	1	2.75	0	2	6	2.75	0	2	6
PIT	*	1.88	0	2	**5**	1	2.75	0	2	6	2.75	0	2	6
SCC		1.00	0	**8**	0	0	2.75	0	2	6	2.63	0	3	5
Subgroup 29.3		CCW HX Copper Zinc tubes internal CCW water and external pond water 100°F max, 125 psia design												
FAC	X	1.75	0	**4**	2	2	2.88	0	1	7	2.88	0	1	7
MIC		1.38	0	**5**	3	0	2.63	0	3	5	2.63	0	3	5
PIT		2.13	0	0	**7**	1	2.75	0	2	6	2.75	0	2	6
SCC	*	1.88	0	2	**5**	1	2.63	0	3	5	2.63	0	3	5
Subgroup 29.4		CCW HX Shell and Tubesheets and fittings Carbon steel Pond Water 100°F max, 125 psia design												
CREV		1.88	0	1	**7**	0	2.75	0	2	6	2.75	0	2	6
GC		1.50	0	4	**4**	0	2.88	0	1	7	2.88	0	1	7
MIC	*	2.00	0	1	**6**	1	2.88	0	1	7	2.88	0	1	7
PIT	*	1.88	0	2	**5**	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 PRESSURIZED WATER REACTOR COMPONENTS

29 Support System

Service Water Pump Discharge Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 29.5	CCW HX SS tubes Stainless steel internal CCW water and external pond or sea water 100°F max, 125 psia design													
	CREV	1.71	0	2	**5**	0	2.71	0	2	5	2.71	0	2	5
	MIC	1.57	0	3	**4**	0	2.57	1	1	5	2.71	0	2	5
	PIT	1.71	0	2	**5**	0	2.71	0	2	5	2.71	0	2	5
	SCC	1.43	0	**4**	3	0	2.71	0	2	5	2.71	0	2	5
Subgroup 29.6	CCW HX Copper Nickel tubes Copper Nickel internal CCW water and external pond (or sea) water 100°F max, 125 psia design													
	FAC	1.14	0	**6**	1	0	2.86	0	1	6	2.86	0	1	6
	MIC	1.14	0	**6**	1	0	2.71	0	2	5	2.71	0	2	5
	PIT	1.14	0	**6**	1	0	2.71	0	2	5	2.71	0	2	5
	SCC	1.00	0	**7**	0	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 PRESSURIZED WATER REACTOR COMPONENTS

30 Support System

Service Water Piping Inside Containment

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 30.1		All carbon steel components/welds/HAZ External surfaces Containment building air 100°F max, 125 psia design max (inside condition)												
MIC		0.75	2	**6**	0	0	2.75	0	2	6	2.63	0	3	5
PIT		1.00	0	**8**	0	0	2.88	0	1	7	2.88	0	1	7
SCC		0.88	1	**7**	0	0	2.75	0	2	6	2.75	0	2	6
Subgroup 30.2		All carbon steel components/welds/HAZ Pond water 100°F max, 125 psia design												
CREV		1.75	0	2	**6**	0	2.75	0	2	6	2.75	0	2	6
EC		0.83	1	**5**	0	0	2.50	1	1	4	2.50	1	1	4
FAC		1.20	0	**4**	1	0	2.40	0	3	2	2.40	0	3	2
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.63	0	3	5
MIC	*	1.88	0	2	**5**	1	2.75	0	2	6	2.75	0	2	6
PIT	*	1.88	0	2	**5**	1	2.75	0	2	6	2.75	0	2	6
SCC		1.13	0	**7**	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 PRESSURIZED WATER REACTOR COMPONENTS

31 Support System

CVCS Pump Piping to Crossover Leg Injection

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 31.1	All stainless steel components External surfaces at <130°F Containment/Auxiliary building air Normally dry													
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 31.2	Wrought austenitic stainless steel piping Types 304, 316, PWR primary water 130°F, 2250 psia													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.63	1	1	6
SCC		0.38	**5**	3	0	0	3.00	0	0	8	2.88	0	1	7
Subgroup 31.3	Austenitic weld HAZs Types 304, 316, PWR primary water 130°F, 2250 psia													
FAT		1.00	0	**8**	0	0	2.88	0	1	7	2.00	0	8	0
SCC		1.38	0	**5**	3	0	3.00	0	0	8	3.00	0	0	8
Subgroup 31.4	Austenitic to austenitic weld metals Type 308, PWR primary water 130°F, 2250 psia													
FAT		1.13	0	**7**	1	0	2.88	0	1	7	2.00	0	8	0
SCC		0.63	3	**5**	0	0	3.00	0	0	8	2.75	0	2	6
Subgroup 31.5	Forged austenitic stainless steel components Types 304, 316, PWR primary water 130°F, 2250 psia													
FAT		1.13	0	**7**	1	0	2.88	0	1	7	2.13	0	7	1
SCC		0.50	4	**4**	0	0	2.88	0	1	7	2.88	0	1	7
Subgroup 31.6	Socket welds Type 304, PWR primary water 130°F, 2250 psia													
FAT		2.00	0	0	**8**	0	2.75	0	2	6	2.00	0	8	0
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 PRESSURIZED WATER REACTOR COMPONENTS

31 Support System

CVCS Pump Piping to Crossover Leg Injection

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 31.7	Wrought austenitic stainless steel piping Types 304, 316, PWR primary water 557°F, 2250 psia													
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.50	1	2	5
SCC		0.75	2	**6**	0	0	2.63	0	3	5	2.50	0	4	4
Subgroup 31.8	Austenitic weld HAZs Types 304, 316, PWR primary water 557°F, 2250 psia													
FAT		1.38	0	**5**	3	0	2.50	0	4	4	1.88	1	7	0
FR		1.20	0	**4**	1	0	2.20	1	2	2	1.60	2	3	0
SCC		1.50	0	4	**4**	0	2.50	0	4	4	2.38	1	3	4
Subgroup 31.9	Austenitic to austenitic weld metals Type 308, PWR primary water 557°F, 2250 psia													
FAT		1.25	0	**6**	2	0	2.13	0	7	1	1.88	1	7	0
FR		1.13	0	**7**	1	0	2.63	0	3	5	2.50	1	2	5
SCC		1.13	0	**7**	1	0	2.50	0	4	4	2.38	1	3	4
Subgroup 31.10	Forged austenitic stainless steel components Types 304, 316, PWR primary water 557°F, 2250 psia													
FAT		1.38	0	**5**	3	0	2.50	0	4	4	2.00	1	6	1
SCC		0.75	2	**6**	0	0	2.63	0	3	5	2.50	0	4	4
Subgroup 31.11	Socket welds Type 304, PWR primary water 557°F, 2250 psia													
FAT		2.13	0	0	**7**	1	2.88	0	1	7	2.00	0	8	0
SCC	*	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 PRESSURIZED WATER REACTOR COMPONENTS

31 Support System

CVCS Pump Piping to Crossover Leg Injection

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 31.12		Flange retaining bolts SA-194 Gr B16 Building Air Low temperature												
BAC		1.13	0	**7**	1	0	2.63	0	3	5	2.63	0	3	5
FAT		1.00	0	**8**	0	0	2.00	0	8	0	2.00	0	8	0
FR	*	1.00	1	**6**	1	0	2.63	1	1	6	2.50	1	2	5
SCC		1.13	0	**7**	1	0	2.88	0	1	7	2.00	0	8	0

* 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 PRESSURIZED WATER REACTOR COMPONENTS

32 Support System

CVCS Normal Letdown Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 32.1	All stainless steel components External surfaces at <557°F Containment/Auxiliary building air Normally dry													
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 32.2	Wrought austenitic stainless steel piping Types 304, 316, PWR primary water 115 to 560°F, 2250 psia													
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.50	1	2	5
SCC		0.75	2	**6**	0	0	2.63	0	3	5	2.50	0	4	4
Subgroup 32.3	Austenitic weld HAZs Types 304, 316, PWR primary water 115 to 560°F, 2250 psia													
FAT		1.25	0	**6**	2	0	2.50	0	4	4	1.88	1	7	0
FR		1.17	0	**5**	1	0	2.17	1	3	2	1.67	2	4	0
SCC		1.50	0	4	**4**	0	2.50	0	4	4	2.38	1	3	4
Subgroup 32.4	Austenitic to austenitic weld metals Type 308, PWR primary water 115 to 560°F, 2250 psia													
FAT		1.00	0	**8**	0	0	2.50	0	4	4	1.88	1	7	0
FR		1.13	0	**7**	1	0	2.63	0	3	5	2.50	1	2	5
SCC	*	1.00	1	**6**	1	0	2.50	0	4	4	2.38	1	3	4
Subgroup 32.5	Forged austenitic stainless steel components Types 304, 316, PWR primary water 115 to 560°F, 2250 psia													
FAT		1.13	0	**7**	1	0	2.50	0	4	4	2.00	1	6	1
SCC	*	1.00	2	**4**	2	0	2.63	0	3	5	2.50	0	4	4

PMDA FOR PRESSURIZED WATER REACTOR COMPONENTS

32 Support System

CVCS Normal Letdown Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 32.6		Socket welds Type 304, PWR primary water 115 to 560°F, 2250 psia												
FAT		2.13	0	0	**7**	1	2.88	0	1	7	2.00	0	8	0
SCC	*	1.00	1	**6**	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 PRESSURIZED WATER REACTOR COMPONENTS

33 Support System

CVCS Regenerative HX Piping to Letdown HX

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 33.1	All stainless steel components External surfaces at <290°F Auxiliary building air Normally dry													
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 33.2	Wrought austenitic stainless steel piping Types 304, 316, PWR primary water 115 to 290°F, 285 to 2235 psia													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.63	1	1	6
SCC		0.63	3	**5**	0	0	3.00	0	0	8	2.88	0	1	7
Subgroup 33.3	Austenitic weld HAZs Types 304, 316, PWR primary water 115 to 290°F, 285 to 2235 psia													
FAT		1.13	0	**7**	1	0	2.88	0	1	7	2.00	0	8	0
FR		0.50	2	**2**	0	0	2.75	0	1	3	2.50	0	2	2
SCC		1.63	0	3	**5**	0	3.00	0	0	8	2.88	0	1	7
Subgroup 33.4	Austenitic to austenitic weld metals Type 308, PWR primary water 115 to 290°F, 285 to 2235 psia													
FAT		1.13	0	**7**	1	0	2.88	0	1	7	2.00	0	8	0
SCC		0.75	2	**6**	0	0	3.00	0	0	8	2.88	0	1	7
Subgroup 33.5	Forged austenitic stainless steel components Types 304, 316, PWR primary water 115 to 290°F, 285 to 2235 psia													
FAT		1.13	0	**7**	1	0	2.88	0	1	7	2.13	0	7	1
SCC		0.50	4	**4**	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 PRESSURIZED WATER REACTOR COMPONENTS

33 Support System

CVCS Regenerative HX Piping to Letdown HX

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 33.6	Socket welds Type 304, PWR primary water 115 to 290°F, 285 to 2235 psia													
	FAT	2.00	0	0	**8**	0	2.75	0	2	6	2.00	0	8	0
	SCC	0.88	1	**7**	0	0	2.88	0	1	7	2.88	0	1	7
Subgroup 33.7	Letdown HX shell, nozzles & fittings Carbon steel Treated water (CCW) 105 to 137°F, 150 psia													
	CREV	1.00	0	**8**	0	0	2.75	0	2	6	2.75	0	2	6
	FAT	1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
	MIC	1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
	PIT	1.00	0	**8**	0	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 PRESSURIZED WATER REACTOR COMPONENTS

34 Support System

CVCS Letdown HX Piping to VCT

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 34.1	All stainless steel components External surfaces at <115°F Auxiliary building air Normally dry													
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 34.2	Wrought austenitic stainless steel piping (≤3" NPS) Types 304, 316, PWR primary water 115°F, 75 or 285 psia													
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.50	1	2	5
SCC		0.38	**5**	3	0	0	3.00	0	0	8	2.88	0	1	7
Subgroup 34.3	Austenitic weld HAZs Types 304, 316, PWR primary water 115°F, 75 or 285 psia													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.00	0	8	0
SCC		1.38	0	**5**	3	0	3.00	0	0	8	3.00	0	0	8
Subgroup 34.4	Austenitic to austenitic weld metals Type 308, PWR primary water 115°F, 75 or 285 psia													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.00	0	8	0
SCC		0.50	4	**4**	0	0	3.00	0	0	8	2.88	0	1	7
Subgroup 34.5	Forged austenitic stainless steel components Types 304, 316, PWR primary water 115°F, 75 or 285 psia													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.13	0	7	1
SCC		0.38	**5**	3	0	0	2.88	0	1	7	2.88	0	1	7
Subgroup 34.6	Socket welds Type 304, PWR primary water 115°F, 75 or 285 psia													
FAT		2.00	0	0	**8**	0	2.75	0	2	6	2.00	0	8	0
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 PRESSURIZED WATER REACTOR COMPONENTS

34 Support System

CVCS Letdown HX Piping to VCT

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 34.7		Bolted flanged joint Flange bolts SA193 Gr B16 or B7 bolts Building air environment												
BAC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.63	0	3	5
FAT		0.88	1	**7**	0	0	2.50	0	4	4	2.38	0	5	3
FR	*	0.88	2	**5**	1	0	2.63	1	1	6	2.50	1	2	5
GC		0.63	3	**5**	0	0	2.75	0	2	6	2.63	0	3	5
SCC	*	1.00	1	**6**	1	0	2.88	0	1	7	2.38	0	5	3
Subgroup 34.8		Bolted flanged joint Studs SA453 Gr 660 (13-16% CR SS) Building air environment												
FAT		0.88	1	**7**	0	0	2.38	0	5	3	2.25	0	6	2
FR	*	0.88	2	**5**	1	0	2.63	1	1	6	2.50	1	2	5
SCC		1.13	1	**5**	2	0	2.88	0	1	7	2.63	0	3	5

PMDA FOR PRESSURIZED WATER REACTOR COMPONENTS

35 Support System

CVCS Mixed Bed Piping to Filter

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 35.1	All stainless steel components External surfaces at <115°F Auxiliary building air Normally dry													
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 35.2	Wrought austenitic stainless steel piping Types 304, 316, PWR primary water 115°F, 285 psia													
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.50	1	2	5
SCC		0.75	2	**6**	0	0	3.00	0	0	8	2.88	0	1	7
Subgroup 35.3	Austenitic weld HAZs Types 304, 316, PWR primary water 115°F, 285 psia													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.00	0	8	0
SCC		1.38	0	**5**	3	0	3.00	0	0	8	2.88	0	1	7
Subgroup 35.4	Austenitic to austenitic weld metals Type 308, PWR primary water 115°F, 285 psia													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.00	0	8	0
SCC		0.50	4	**4**	0	0	3.00	0	0	8	2.88	0	1	7
Subgroup 35.5	Forged austenitic stainless steel components Types 304, 316, PWR primary water 115°F, 75 to 285 psia													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.13	0	7	1
SCC		0.38	**5**	3	0	0	2.88	0	1	7	2.88	0	1	7
Subgroup 35.6	Socket welds Type 304, PWR primary water 115°F, 285 psia													
FAT		2.00	0	0	**8**	0	2.75	0	2	6	2.00	0	8	0
SCC		0.75	2	**6**	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 PRESSURIZED WATER REACTOR COMPONENTS

35 Support System

CVCS Mixed Bed Piping to Filter

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 35.7		Bolted flanged joint Flange bolts SA193 Gr B7 bolts Building air environment												
BAC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.63	0	3	5
FAT		0.88	1	**7**	0	0	2.50	0	4	4	2.25	0	6	2
FR	*	0.88	2	**5**	1	0	2.63	1	1	6	2.50	1	2	5
GC		0.71	2	**5**	0	0	2.71	0	2	5	2.43	0	4	3
SCC	*	1.00	1	**6**	1	0	2.88	0	1	7	2.25	0	6	2
Subgroup 35.8		Cast austenitic SS components Types CF8, PWR primary water 115°F, 285 psia												
FAT	*	1.00	1	**6**	1	0	2.75	0	2	6	2.38	0	5	3
FR		0.57	3	**4**	0	0	2.63	1	1	6	2.38	1	3	4
SCC		0.50	**5**	2	1	0	2.63	1	1	6	2.38	2	1	5
Subgroup 35.9		Dissimilar metal weld (Support lug) External surface Auxiliary building air												
PIT		1.13	0	**7**	1	0	2.63	0	3	5	2.63	0	3	5
SCC		1.25	0	**6**	2	0	2.63	0	3	5	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 PRESSURIZED WATER REACTOR COMPONENTS

36 Support System

CVCS VCT Piping to Charging Pump Suction

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 36.1	All stainless steel components External surfaces at <160°F Auxiliary building air Normally dry													
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 36.2	Wrought austenitic stainless steel piping Types 304, 316, PWR primary water 160 or 115°F, 95 or 2250 psia													
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.50	1	2	5
SCC		0.75	2	**6**	0	0	3.00	0	0	8	2.88	0	1	7
Subgroup 36.3	Austenitic weld HAZs Types 304, 316, PWR primary water 160 or 115°F, 95 or 2250 psia													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.00	0	8	0
SCC		1.38	0	**5**	3	0	3.00	0	0	8	3.00	0	0	8
Subgroup 36.4	Austenitic to austenitic weld metals Type 308, PWR primary water 160 or 115°F, 95 or 2250 psia													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.00	0	8	0
SCC		0.50	4	**4**	0	0	3.00	0	0	8	2.88	0	1	7
Subgroup 36.5	Forged austenitic stainless steel components Types 304, 316, PWR primary water 160 or 115°F, 95 or 2250 psia													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.13	0	7	1
SCC		0.38	**5**	3	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 PRESSURIZED WATER REACTOR COMPONENTS

36 Support System

CVCS VCT Piping to Charging Pump Suction

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 36.6		Bolted flanged joint Flange bolts SA193 Gr B7 bolts Building air environment												
BAC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.63	0	3	5
FAT		0.88	1	**7**	0	0	2.50	0	4	4	2.25	0	6	2
FR	*	0.88	2	**5**	1	0	2.63	1	1	6	2.50	1	2	5
GC		0.71	2	**5**	0	0	2.71	0	2	5	2.43	0	4	3
SCC	*	1.00	1	**6**	1	0	2.88	0	1	7	2.25	0	6	2
Subgroup 36.7		Cast austenitic Types CF8, PWR primary water 160 or 115°F, 95 or 2250 psia												
FAT	*	1.00	1	**6**	1	0	2.75	0	2	6	2.38	0	5	3
FR		0.57	3	**4**	0	0	2.63	1	1	6	2.38	1	3	4
SCC		0.50	**5**	2	1	0	2.63	1	1	6	2.38	2	1	5

PMDA FOR PRESSURIZED WATER REACTOR COMPONENTS

37 Support System

CVCS Charging Pump Piping to Regenerative HX

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 37.1	All stainless steel components External surfaces at <130°F Auxiliary building air Normally dry													
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 37.2	Wrought austenitic stainless steel piping Types 304, 316, PWR primary water 130°F, 2235 psia													
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.50	1	2	5
SCC		0.38	**5**	3	0	0	3.00	0	0	8	2.88	0	1	7
Subgroup 37.3	Austenitic weld HAZs Types 304, 316, PWR primary water 130°F, 2235 psia													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.00	0	8	0
SCC		1.38	0	**5**	3	0	3.00	0	0	8	3.00	0	0	8
Subgroup 37.4	Austenitic to austenitic weld metals Type 308, PWR primary water 130°F, 2235 psia													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.00	0	8	0
SCC		0.50	4	**4**	0	0	3.00	0	0	8	2.88	0	1	7
Subgroup 37.5	Forged austenitic stainless steel components Types 304, 316, PWR primary water 130°F, 2235 psia													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.13	0	7	1
SCC		0.38	**5**	3	0	0	2.88	0	1	7	2.88	0	1	7
Subgroup 37.6	Socket welds Type 304, PWR primary water 130°F, 2235 psia													
FAT		2.00	0	0	**8**	0	2.75	0	2	6	2.00	0	8	0
SCC		0.75	2	**6**	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 PRESSURIZED WATER REACTOR COMPONENTS

37 Support System

CVCS Charging Pump Piping to Regenerative HX

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 37.7		Bolted flanged joint Flange bolts SA193 Gr B7 bolts Building air environment												
BAC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.63	0	3	5
FAT		0.86	1	**6**	0	0	2.57	0	3	4	2.43	0	4	3
FR	*	0.88	2	**5**	1	0	2.63	1	1	6	2.50	1	2	5
GC		0.63	3	**5**	0	0	2.63	0	3	5	2.50	0	4	4
SCC	*	1.00	1	**6**	1	0	2.88	0	1	7	2.25	0	6	2

PMDA FOR PRESSURIZED WATER REACTOR COMPONENTS

38 Support System

CVCS Regenerative HX Piping to Cold Leg

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 38.1	All stainless steel components External surfaces at <517°F Auxiliary building air Normally dry													
PIT		1.00	0	**7**	0	0	3.00	0	0	7	2.86	0	1	6
SCC		1.00	0	**7**	0	0	3.00	0	0	7	2.86	0	1	6
Subgroup 38.2	Wrought austenitic stainless steel piping Types 304, 316, PWR primary water 517°F, 2305 psia													
FAT		1.25	0	**6**	2	0	2.63	0	3	5	2.50	1	2	5
SCC		0.75	2	**6**	0	0	2.63	0	3	5	2.50	0	4	4
Subgroup 38.3	Austenitic weld HAZs Types 304, 316, PWR primary water 517°F, 2305 psia													
FAT		1.38	0	**5**	3	0	2.50	0	4	4	1.88	1	7	0
FR		1.17	0	**5**	1	0	2.17	1	3	2	1.67	2	4	0
SCC		1.50	0	4	**4**	0	2.50	0	4	4	2.38	1	3	4
Subgroup 38.4	Austenitic to austenitic weld metals Type 308, PWR primary water 517°F, 2305 psia													
FAT		1.25	0	**6**	2	0	2.50	0	4	4	1.88	1	7	0
FR		1.00	0	**6**	0	0	2.67	0	2	4	2.17	1	3	2
SCC	*	1.00	1	**6**	1	0	2.50	0	4	4	2.38	1	3	4
Subgroup 38.5	Forged austenitic stainless steel components Types 304, 316, PWR primary water 517°F, 2305 psia													
FAT		1.38	0	**5**	3	0	2.50	0	4	4	2.00	1	6	1
SCC	X	1.13	2	**4**	1	1	2.63	0	3	5	2.38	0	5	3

* 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 PRESSURIZED WATER REACTOR COMPONENTS

38 Support System

CVCS Regenerative HX Piping to Cold Leg

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 38.6		Socket welds Type 304, PWR primary water 517°F, 2305 psia												
FAT		2.13	0	0	**7**	1	2.88	0	1	7	2.00	0	8	0
SCC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.63	0	3	5

PMDA FOR PRESSURIZED WATER REACTOR COMPONENTS

39 Support System

CVCS Injection Filter Piping to RCP Seals

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 39.1	All stainless steel components External surfaces at <130°F Containment/Auxiliary building air Normally dry													
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 39.2	Wrought austenitic stainless steel piping Types 304, 316, PWR primary water 130°F, 2550 psia													
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.50	1	2	5
SCC		0.50	4	**4**	0	0	3.00	0	0	8	2.88	0	1	7
Subgroup 39.3	Austenitic weld HAZs Types 304, 316, PWR primary water 130°F, 2550 psia													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.00	0	8	0
SCC		1.38	0	**5**	3	0	3.00	0	0	8	3.00	0	0	8
Subgroup 39.4	Austenitic to austenitic weld metals Type 308, PWR primary water 130°F, 2550 psia													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.00	0	8	0
SCC		0.50	4	**4**	0	0	3.00	0	0	8	2.88	0	1	7
Subgroup 39.5	Forged austenitic stainless steel components Types 304, 316, PWR primary water 130°F, 2550 psia													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.13	0	7	1
SCC		0.38	**5**	3	0	0	2.88	0	1	7	2.88	0	1	7
Subgroup 39.6	Socket welds Type 304, PWR primary water 130°F, 2550 psia													
FAT		2.00	0	0	**8**	0	2.75	0	2	6	2.00	0	8	0
SCC		0.75	2	**6**	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 PRESSURIZED WATER REACTOR COMPONENTS

39 Support System

CVCS Injection Filter Piping to RCP Seals

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 39.7		Bolted flanged joint Flange bolts SA193 Gr B16 bolts Building air environment												
BAC	*	1.00	1	**6**	1	0	2.63	0	3	5	2.63	0	3	5
FAT		0.88	1	**7**	0	0	2.63	0	3	5	2.38	0	5	3
FR	*	0.88	2	**5**	1	0	2.63	1	1	6	2.50	1	2	5
GC		0.63	3	**5**	0	0	2.63	0	3	5	2.38	0	5	3
SCC	*	1.00	1	**6**	1	0	2.88	0	1	7	2.25	0	6	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 PRESSURIZED WATER REACTOR COMPONENTS

40 Support System

CVCS RCP Seal Return Piping to Filter

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 40.1	All stainless steel components External surfaces at <250°F Containment/Auxiliary building air Normally dry													
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 40.2	Wrought austenitic stainless steel piping Types 304, 316, PWR primary water 250 to 160°F, 2185 or 95 psia													
FAT		1.13	0	**7**	1	0	2.63	0	3	5	2.50	1	2	5
SCC		0.63	3	**5**	0	0	3.00	0	0	8	2.88	0	1	7
Subgroup 40.3	Austenitic weld HAZs Types 304, 316, PWR primary water 250 to 160°F, 2185 or 95 psia													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.00	0	8	0
FR		0.60	2	**3**	0	0	2.17	1	3	2	2.00	1	4	1
SCC		1.38	0	**5**	3	0	3.00	0	0	8	3.00	0	0	8
Subgroup 40.4	Austenitic to austenitic weld metals Type 308, PWR primary water 250 to 160°F, 2185 or 95 psia													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.25	0	6	2
FR	*	0.88	2	**5**	1	0	2.75	0	2	6	2.63	0	3	5
SCC		0.75	2	**6**	0	0	3.00	0	0	8	2.75	0	2	6
Subgroup 40.5	Forged austenitic stainless steel components Types 304, 316, PWR primary water 250 to 160°F, 2185 or 95 psia													
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.13	0	7	1
SCC		0.50	4	**4**	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 PRESSURIZED WATER REACTOR COMPONENTS

40 Support System

CVCS RCP Seal Return Piping to Filter

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 40.6		Bolted flanged joint Flange bolts SA193 Gr B16 bolts Building air environment												
BAC	*	1.00	1	**5**	1	0	2.57	0	3	4	2.57	0	3	4
FAT		0.88	1	**7**	0	0	2.63	0	3	5	2.38	0	5	3
FR	*	0.86	2	**4**	1	0	2.57	1	1	5	2.43	1	2	4
GC		0.63	3	**5**	0	0	2.63	0	3	5	2.38	0	5	3
SCC	*	1.00	1	**6**	1	0	2.88	0	1	7	2.25	0	6	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 PRESSURIZED WATER REACTOR COMPONENTS

41 Support System

CCW Surge Tank Piping to CCW HX

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 41.1	All outside surfaces Low alloy steels and carbon steel, SA53, SA106, SA234, SA285 Auxiliary building air 130°F and 150 psi (inside condition)													
	CREV	0.88	1	**7**	0	0	2.75	0	2	6	2.75	0	2	6
	FAT	0.75	2	**6**	0	0	2.75	0	2	6	2.63	0	3	5
	GC	0.88	1	**7**	0	0	2.75	0	2	6	2.75	0	2	6
	MIC	0.75	2	**6**	0	0	2.75	0	2	6	2.63	0	3	5
	PIT	0.88	1	**7**	0	0	2.75	0	2	6	2.75	0	2	6
	SCC	0.75	2	**6**	0	0	2.75	0	2	6	2.75	0	2	6
Subgroup 41.2	Elbows Carbon steel and low alloy steels, SA53, SA106, SA234, SA285 Treated water, Surge Tank portion stagnant, 130°F, 150 psi													
	CREV	1.13	1	**5**	2	0	2.75	0	2	6	2.75	0	2	6
	FAT	1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
	GC	1.13	0	**7**	1	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	1.25	0	**6**	2	0	2.75	0	2	6	2.63	0	3	5
	SCC	1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6
Subgroup 41.3	Tees, weldolets, reducers, and nozzles Carbon steel and low alloy steels, SA53, SA106, SA234, SA285 Treated water, Surge Tank portion stagnant, 130°F, 150 psi													
	CREV	1.13	1	**5**	2	0	2.75	0	2	6	2.75	0	2	6
	FAT	1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
	GC	1.13	0	**7**	1	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	1.25	0	**6**	2	0	2.75	0	2	6	2.63	0	3	5
	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 PRESSURIZED WATER REACTOR COMPONENTS

41 Support System

CCW Surge Tank Piping to CCW HX

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 41.4		Valves Carbon steel and low alloy steels, SA53, SA106, SA234, SA285 Treated water, Surge Tank portion stagnant, 130°F, 150 psi												
CREV		1.13	1	**5**	2	0	2.75	0	2	6	2.75	0	2	6
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
GC		1.13	0	**7**	1	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		1.25	0	**6**	2	0	2.75	0	2	6	2.63	0	3	5
SCC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 41.5		Straight pipe Carbon steel and low alloy steels, SA53, SA106, SA234, SA285 Treated water, Surge Tank portion stagnant, 130°F, 150 psi												
CREV		1.13	1	**5**	2	0	2.75	0	2	6	2.75	0	2	6
FAC	*	1.00	2	**4**	2	0	2.75	0	2	6	2.50	0	4	4
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
GC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
MIC		1.57	0	3	**4**	0	2.86	0	1	6	2.86	0	1	6
PIT		1.25	0	**6**	2	0	2.75	0	2	6	2.63	0	3	5
SCC	*	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 PRESSURIZED WATER REACTOR COMPONENTS

41 Support System

CCW Surge Tank Piping to CCW HX

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 41.6		Flanges and surge tank hatch Low alloy steels SA182, SA234, SA312, SA376 Treated water, Surge Tank portion stagnant 130°F, 150 psi, 12,000 gpm (max)												
CREV		1.13	1	**5**	2	0	2.75	0	2	6	2.75	0	2	6
FAC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.63	0	3	5
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
GC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
MIC		1.57	0	3	**4**	0	2.86	0	1	6	2.86	0	1	6
PIT		1.25	0	**6**	2	0	2.75	0	2	6	2.63	0	3	5
SCC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 41.7		Surge tank comp, heads, shells SA285, Carbon steel Treated water, normally stagnant, 130°F, 150 psi												
CREV		1.25	1	**4**	3	0	2.75	0	2	6	2.75	0	2	6
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
GC		1.13	1	**5**	2	0	2.75	0	2	6	2.63	0	3	5
MIC		1.63	0	3	**5**	0	2.75	0	2	6	2.75	0	2	6
PIT		1.38	0	**5**	3	0	2.75	0	2	6	2.63	0	3	5
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6
Subgroup 41.8		Surge tank weld seam SA285, Treated water normally stagnant, 130°F, 150 psi												
CREV		1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
GC		1.13	1	**5**	2	0	2.75	0	2	6	2.63	0	3	5
MIC		1.63	0	3	**5**	0	2.75	0	2	6	2.75	0	2	6
PIT		1.38	0	**5**	3	0	2.75	0	2	6	2.63	0	3	5
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 PRESSURIZED WATER REACTOR COMPONENTS

41 Support System

CCW Surge Tank Piping to CCW HX

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 41.9		CCW Pump casing Cast iron, Treated water 130°F, 150 psi, 4800 gpm												
FAC		1.00	0	**8**	0	0	2.50	1	2	5	2.38	1	3	4
FAT		1.13	0	**7**	1	0	2.63	1	1	6	2.63	1	1	6
FR	*	1.00	1	**4**	1	0	2.50	1	1	4	2.50	1	1	4
GC		0.88	1	**7**	0	0	2.63	1	1	6	2.50	1	2	5
MIC		1.13	1	**5**	2	0	2.88	0	1	7	2.75	1	0	7
PIT		1.25	0	**6**	2	0	2.63	1	1	6	2.50	1	2	5
SCC		0.88	1	**7**	0	0	2.63	1	1	6	2.63	1	1	6
Subgroup 41.10		CCWHX Nozzles 30" Carbon steel, Treated water 130°F, 150 psia, 9.98x10*6 lb/hr												
CREV		1.00	0	**7**	0	0	2.86	0	1	6	2.86	0	1	6
FAC		1.13	0	**7**	1	0	2.63	0	3	5	2.50	0	4	4
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
GC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.63	0	3	5
MIC	*	0.86	2	**4**	1	0	3.00	0	0	7	2.86	0	1	6
PIT		1.13	0	**7**	1	0	2.75	0	2	6	2.63	0	3	5
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 PRESSURIZED WATER REACTOR COMPONENTS

42 Support System

CCW HX Piping to RHR HX

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 42.1		All component outside surfaces Low alloy steels and carbon steel 130°F and 150 psi (inside condition)												
CREV		0.88	1	**7**	0	0	2.75	0	2	6	2.75	0	2	6
FAT		0.75	2	**6**	0	0	2.75	0	2	6	2.63	0	3	5
GC		0.88	1	**7**	0	0	2.75	0	2	6	2.75	0	2	6
MIC		0.75	2	**6**	0	0	2.75	0	2	6	2.63	0	3	5
PIT		0.88	1	**7**	0	0	2.75	0	2	6	2.75	0	2	6
SCC		0.75	2	**6**	0	0	2.75	0	2	6	2.75	0	2	6
Subgroup 42.2		Elbows Low alloy steels, SA105, SA106, SA234, SA403 Treated water. 130°F, 150 psi, 3x10*6 lb/hr												
CREV	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
FAC		1.25	0	**6**	2	0	2.63	0	3	5	2.25	1	4	3
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
GC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
MIC		0.75	2	**6**	0	0	2.88	0	1	7	2.63	1	1	6
PIT	*	1.00	1	**6**	1	0	2.75	0	2	6	2.50	0	4	4
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6

PMDA FOR PRESSURIZED WATER REACTOR COMPONENTS

42 Support System

CCW HX Piping to RHR HX

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 42.3		Tees, weldolets, reducers, and nozzles Low alloy steels, SA105, SA106, SA234, SA403 Treated water. 130°F, 150 psi, 3x10*6 lb/hr												
CREV	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
FAC		1.25	0	**6**	2	0	2.63	0	3	5	2.25	1	4	3
FAT		1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
GC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
MIC		0.75	2	**6**	0	0	2.88	0	1	7	2.63	1	1	6
PIT		1.13	0	**7**	1	0	2.75	0	2	6	2.63	0	3	5
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6
Subgroup 42.4		Valves Low alloy steels, SA105, SA106, SA234, SA403 Treated water. 130°F, 150 psi, 3x10*6 lb/hr												
CREV	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
FAC		1.25	0	**6**	2	0	2.63	0	3	5	2.25	1	4	3
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
GC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
MIC		0.75	2	**6**	0	0	2.88	0	1	7	2.63	1	1	6
PIT		1.13	0	**7**	1	0	2.75	0	2	6	2.63	0	3	5
SCC		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 PRESSURIZED WATER REACTOR COMPONENTS

42 Support System

CCW HX Piping to RHR HX

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 42.5		Straight pipe Low alloy steels, SA105, SA106, SA234, SA403 Treated water. 130°F, 150 psi, 3x10*6 lb/hr												
CREV	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
FAC		1.13	0	**7**	1	0	2.63	0	3	5	2.25	1	4	3
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
GC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
MIC		0.75	2	**6**	0	0	2.88	0	1	7	2.63	1	1	6
PIT		1.13	0	**7**	1	0	2.75	0	2	6	2.63	0	3	5
SCC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 42.6		Flanges, Lugs on 12, 16, 18" pipe Carbon steel (lug) Low alloy steels, SA105, SA106, SA234, SA403 Treated water. 130°F, 150 psi, 3x10*6 lb/hr												
CREV		1.13	1	**5**	2	0	2.75	0	2	6	2.75	0	2	6
FAC		1.25	0	**6**	2	0	2.63	0	3	5	2.25	1	4	3
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
GC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
MIC		0.75	2	**6**	0	0	2.88	0	1	7	2.63	1	1	6
PIT		1.25	0	**6**	2	0	2.75	0	2	6	2.63	0	3	5
SCC		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 PRESSURIZED WATER REACTOR COMPONENTS

43 Support System

CCW Piping to Other Loads Outside Containment

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 43.1		All component outside surfaces Low alloy steels and carbon steel Auxiliary building air 105°F and 150 psi (inside condition)												
CREV		0.88	1	**7**	0	0	2.75	0	2	6	2.75	0	2	6
FAT		0.75	2	**6**	0	0	2.75	0	2	6	2.63	0	3	5
GC		0.88	1	**7**	0	0	2.75	0	2	6	2.75	0	2	6
MIC		0.75	2	**6**	0	0	2.75	0	2	6	2.63	0	3	5
PIT		0.88	1	**7**	0	0	2.75	0	2	6	2.75	0	2	6
SCC		0.75	2	**6**	0	0	2.75	0	2	6	2.75	0	2	6
Subgroup 43.2		Elbows Low alloy steels, SA105, SA106, SA234, SA403 Treated water, 105°F, 150 psi, 200,000lb/hr												
CREV	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
FAC		1.25	0	**6**	2	0	2.63	0	3	5	2.25	1	4	3
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
GC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
MIC		0.75	2	**6**	0	0	2.88	0	1	7	2.63	1	1	6
PIT	*	1.00	1	**6**	1	0	2.75	0	2	6	2.50	0	4	4
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 PRESSURIZED WATER REACTOR COMPONENTS

43 Support System

CCW Piping to Other Loads Outside Containment

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 43.3		Tees, weldolets, reducers, and nozzles Low alloy steels, SA105, SA106, SA234, SA403 Treated water, 105°F, 150 psi, 200,000lb/hr												
CREV	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
FAC		1.25	0	**6**	2	0	2.63	0	3	5	2.25	1	4	3
FAT		1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
GC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
MIC		0.75	2	**6**	0	0	2.88	0	1	7	2.63	1	1	6
PIT		1.13	0	**7**	1	0	2.75	0	2	6	2.63	0	3	5
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6
Subgroup 43.4		Valves Low alloy steels, SA105, SA106, SA234, SA403 Treated water, 105°F, 150 psi, 200,000lb/hr												
CREV	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
FAC		1.25	0	**6**	2	0	2.63	0	3	5	2.25	1	4	3
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
GC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
MIC		0.75	2	**6**	0	0	2.88	0	1	7	2.63	1	1	6
PIT		1.13	0	**7**	1	0	2.75	0	2	6	2.63	0	3	5
SCC		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 PRESSURIZED WATER REACTOR COMPONENTS

43 Support System

CCW Piping to Other Loads Outside Containment

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 43.5		Straight pipe Low alloy steels, SA105, SA106, SA234, SA403 Treated water, 105°F, 150 psi, 200,000lb/hr												
CREV	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
FAC		1.25	0	**6**	2	0	2.63	0	3	5	2.25	1	4	3
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
GC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
MIC		0.75	2	**6**	0	0	2.88	0	1	7	2.63	1	1	6
PIT		1.13	0	**7**	1	0	2.75	0	2	6	2.63	0	3	5
SCC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 43.6		Flanges, Lugs Carbon steel (lug) Low alloy steels SA105, SA106, SA234, SA403 Treated water, 105°F, 150 psi, 200,000lb/hr												
CREV		1.13	1	**5**	2	0	2.75	0	2	6	2.75	0	2	6
FAC		1.25	0	**6**	2	0	2.63	0	3	5	2.25	1	4	3
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
GC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
MIC		0.88	1	**7**	0	0	2.88	0	1	7	2.75	1	0	7
PIT		1.25	0	**6**	2	0	2.75	0	2	6	2.63	0	3	5
SCC		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 PRESSURIZED WATER REACTOR COMPONENTS

43 Support System

CCW Piping to Other Loads Outside Containment

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 43.7		Sockolets, plugs on 1" pipe Low alloy steels, SA105, SA106 Treated water, normally stagnant. 105°F, 150 psi												
CREV	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
FAT		1.50	0	4	**4**	0	2.75	0	2	6	2.50	0	4	4
GC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
MIC		1.63	0	3	**5**	0	2.75	0	2	6	2.63	0	3	5
PIT		1.25	0	**6**	2	0	2.75	0	2	6	2.63	0	3	5
SCC		1.13	0	**7**	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 PRESSURIZED WATER REACTOR COMPONENTS

44 Support System

CCW Piping to RCPs Inside Containment

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 44.1		All component outside surfaces Low alloy steels and carbon steel Containment/Auxiliary building air Treated water, 105°F, 150 psi (inside condition)												
CREV		0.88	1	**7**	0	0	2.75	0	2	6	2.75	0	2	6
FAT		0.75	2	**6**	0	0	2.75	0	2	6	2.63	0	3	5
GC		0.88	1	**7**	0	0	2.75	0	2	6	2.75	0	2	6
MIC		0.75	2	**6**	0	0	2.75	0	2	6	2.63	0	3	5
PIT		0.88	1	**7**	0	0	2.75	0	2	6	2.75	0	2	6
SCC		0.75	2	**6**	0	0	2.75	0	2	6	2.75	0	2	6
Subgroup 44.2		Elbows Low alloy steels, SA105, SA106, SA234 Treated water, 105°F, 150 psi, 40-700 gpm												
CREV	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
FAC		1.13	1	**5**	2	0	2.63	0	3	5	2.13	1	5	2
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
GC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
MIC		0.88	1	**7**	0	0	2.88	0	1	7	2.75	1	0	7
PIT	*	1.00	1	**6**	1	0	2.75	0	2	6	2.50	0	4	4
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 PRESSURIZED WATER REACTOR COMPONENTS

44 Support System

CCW Piping to RCPs Inside Containment

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 44.3		Tees, weldolets, reducers, threaded caps, and nozzles Low alloy steels, SA105, SA106, SA234, SA403 Treated water, 105°F, 150 psi, 40-700 gpm												
CREV	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
FAC		1.13	1	**5**	2	0	2.63	0	3	5	2.13	1	5	2
FAT		1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
GC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
MIC		0.88	1	**7**	0	0	2.88	0	1	7	2.75	1	0	7
PIT		1.13	0	**7**	1	0	2.75	0	2	6	2.63	0	3	5
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.75	0	2	6
Subgroup 44.4		Valves Low alloy steels, SA105, SA106, SA234, SA403 Treated water, 105°F, 150 psi, 40-700 gpm												
CREV	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
FAC		1.13	1	**5**	2	0	2.63	0	3	5	2.13	1	5	2
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
GC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
MIC		0.88	1	**7**	0	0	2.88	0	1	7	2.75	1	0	7
PIT		1.13	0	**7**	1	0	2.75	0	2	6	2.63	0	3	5
SCC		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 PRESSURIZED WATER REACTOR COMPONENTS

44 Support System

CCW Piping to RCPs Inside Containment

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 44.5		Straight pipe Low alloy steels, SA105, SA106, SA234, SA403 Treated water, 105°F, 150 psi, 40-700 gpm												
CREV	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
FAC		1.13	1	**5**	2	0	2.63	0	3	5	2.13	1	5	2
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
GC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
MIC		0.88	1	**7**	0	0	2.88	0	1	7	2.75	1	0	7
PIT		1.13	0	**7**	1	0	2.75	0	2	6	2.63	0	3	5
SCC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 44.6		Flanges, Lugs Carbon steel (lug), Low alloy steels SA105, SA106, SA234, SA403 Treated water, 105°F, 150 psi, 40-700 gpm												
CREV		1.13	1	**5**	2	0	2.75	0	2	6	2.75	0	2	6
FAC		1.13	1	**5**	2	0	2.63	0	3	5	2.13	1	5	2
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
GC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
MIC		0.88	1	**7**	0	0	2.88	0	1	7	2.75	1	0	7
PIT		1.25	0	**6**	2	0	2.75	0	2	6	2.63	0	3	5
SCC		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 PRESSURIZED WATER REACTOR COMPONENTS

44 Support System

CCW Piping to RCPs Inside Containment

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 44.7		Flexible 2" hose Low alloy steels, SA105, carbon steel Treated water, 105°F, 2485 psi, 40 gpm												
CREV	*	0.88	2	**5**	1	0	2.75	0	2	6	2.63	0	3	5
FAT		1.13	1	**5**	2	0	2.75	0	2	6	2.63	0	3	5
GC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.63	0	3	5
MIC		1.13	1	**5**	2	0	2.75	0	2	6	2.63	0	3	5
PIT	*	1.00	1	**6**	1	0	2.75	0	2	6	2.50	0	4	4
SCC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.63	0	3	5

PMDA FOR PRESSURIZED WATER REACTOR COMPONENTS

45 Support System

Spent Fuel Pool Cooling Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 45.1		All component outside surfaces Stainless steel or TP 304 Fuel handling building air Borated water, 70-110°F and 65 psi (inside condition)												
CREV		0.71	2	**5**	0	0	2.71	0	2	5	2.57	0	3	4
FAT		0.43	**4**	3	0	0	2.86	0	1	6	2.71	0	2	5
GC		0.43	**4**	3	0	0	2.86	0	1	6	2.71	0	2	5
MIC		0.57	3	**4**	0	0	2.86	0	1	6	2.71	0	2	5
PIT		1.00	0	**8**	0	0	3.00	0	0	8	2.75	0	2	6
SCC		1.00	0	**8**	0	0	3.00	0	0	8	2.88	0	1	7
Subgroup 45.2		Outside surfaces embedded in concrete Stainless steel or TP 304 Auxiliary building air Borated water, 70-110°F and 65 psi (inside condition)												
CREV		0.88	1	**7**	0	0	2.63	0	3	5	2.63	0	3	5
MIC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
PIT		0.88	1	**7**	0	0	2.63	0	3	5	2.63	0	3	5
Subgroup 45.3		Elbows Stainless steel or TP 304 Borated water, oxygenated 70-110°F and 65 psi, 4350 lb/hr												
CREV		0.88	1	**7**	0	0	2.88	0	1	7	2.75	0	2	6
FAT		0.75	2	**6**	0	0	2.88	0	1	7	2.75	0	2	6
MIC		0.88	1	**7**	0	0	2.88	0	1	7	2.75	0	2	6
PIT		1.00	0	**7**	0	0	2.86	0	1	6	2.86	0	1	6
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 PRESSURIZED WATER REACTOR COMPONENTS

45 Support System

Spent Fuel Pool Cooling Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 45.4		Tees, weldolets, reducers, threaded caps, and nozzles Stainless steel or TP 304 Borated water, oxygenated 70-110°F and 65 psi, 4350 lb/hr												
CREV		1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
FAT		1.13	1	**5**	2	0	2.88	0	1	7	2.75	0	2	6
MIC		0.88	1	**7**	0	0	2.88	0	1	7	2.75	0	2	6
PIT		1.00	0	**8**	0	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 45.5		Valves on 10, 12, 14, 16, 18" pipe Stainless steel or TP 304 Borated water, oxygenated 70-110°F, 65 psi, 4350 lb/hr												
CREV		1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
FAT		0.75	2	**6**	0	0	2.88	0	1	7	2.75	0	2	6
MIC		0.88	1	**7**	0	0	2.88	0	1	7	2.75	0	2	6
PIT		1.00	0	**8**	0	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 45.6		Straight pipe Stainless steel or TP 304 Borated water, oxygenated 70-110°F, 65 psi, 4350 lb/hr												
CREV	*	1.00	1	**6**	1	0	2.88	0	1	7	2.75	0	2	6
FAT		0.75	2	**6**	0	0	2.88	0	1	7	2.75	0	2	6
MIC		0.88	1	**7**	0	0	2.88	0	1	7	2.75	0	2	6
PIT		1.00	0	**8**	0	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

* 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 PRESSURIZED WATER REACTOR COMPONENTS

45 Support System

Spent Fuel Pool Cooling Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 45.7		Flanges, Lugs Stainless steel or TP 304 Borated water, oxygenated 70-110°F, 65 psi, 4350 lb/hr												
CREV		1.25	0	**6**	2	0	2.88	0	1	7	2.88	0	1	7
FAT	*	0.88	2	**5**	1	0	2.88	0	1	7	2.75	0	2	6
MIC		1.00	0	**7**	0	0	2.86	0	1	6	2.86	0	1	6
PIT		1.00	0	**8**	0	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 45.8		Weldolet, pipe, caps Stainless steel or TP 304 Stagnant, capped line Borated water, oxygenated, 70-110°F and 65 psi.												
CREV		1.38	0	**5**	3	0	2.88	0	1	7	2.88	0	1	7
FAT	*	1.00	2	**4**	2	0	2.88	0	1	7	2.75	0	2	6
MIC		1.38	0	**5**	3	0	2.88	0	1	7	2.88	0	1	7
PIT		1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
SCC		1.25	0	**6**	2	0	2.88	0	1	7	2.88	0	1	7
Subgroup 45.9		SFP HX tubesheet nozzles, tubesheet, tubes, Stainless steel Borated water, oxygenated 70-110°F, 65 psi, 4350 gpm												
CREV		1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
FAT	*	1.00	1	**5**	1	0	2.71	0	2	5	2.71	0	2	5
GALV		1.00	0	**6**	0	0	2.83	0	1	5	2.83	0	1	5
MIC		1.00	0	**8**	0	0	2.88	0	1	7	2.88	0	1	7
PIT		1.00	0	**8**	0	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

* 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 PRESSURIZED WATER REACTOR COMPONENTS

45 Support System

Spent Fuel Pool Cooling Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 45.10		SFP pump and associated: pump casing, strainer, strainer screen, strainer supports, strainer bottom ring Stainless steel Borated water, oxygenated, 70-110°F, 65 psi, 4350 gpm												
CREV		1.00	0	**8**	0	0	2.75	0	2	6	2.75	0	2	6
FAT		1.00	0	**7**	0	0	2.86	0	1	6	2.86	0	1	6
GALV		1.00	0	**5**	0	0	2.80	0	1	4	2.80	0	1	4
MIC		1.00	0	**7**	0	0	2.86	0	1	6	2.86	0	1	6
PIT		1.00	0	**8**	0	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 45.11		SPF Shellside: shell, nozzles 18"; Lug on part 32 Carbon steel CCW water, deoxygenated 70-110°F, 65 psi, 4350 gpm												
CREV		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
FAC	*	1.00	1	**5**	1	0	2.71	0	2	5	2.29	0	5	2
FAT		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
GC		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
MIC		1.00	0	**7**	0	0	2.86	0	1	6	2.86	0	1	6
PIT		1.13	0	**7**	1	0	2.75	0	2	6	2.63	0	3	5
SCC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6

PMDA FOR PRESSURIZED WATER REACTOR COMPONENTS

46 Support System

Spent Fuel Pool Cleaning Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 46.1	All component outside surfaces Stainless steel or TP 304 Auxiliary building air Borated water, 70-110°F and 65 psi (inside condition)													
	CREV	0.75	2	**6**	0	0	2.75	0	2	6	2.63	0	3	5
	FAT	0.57	3	**4**	0	0	2.86	0	1	6	2.71	0	2	5
	GC	0.75	2	**6**	0	0	2.88	0	1	7	2.88	0	1	7
	MIC	0.43	**4**	3	0	0	2.86	0	1	6	2.71	0	2	5
	PIT	1.00	0	**8**	0	0	3.00	0	0	8	2.75	0	2	6
	SCC	1.00	0	**8**	0	0	3.00	0	0	8	2.88	0	1	7
Subgroup 46.2	Elbows SS TP 304, 316 Borated water, 70-110°F, 65 psi, 80gpm													
	CREV	0.88	1	**7**	0	0	2.88	0	1	7	2.75	0	2	6
	FAT	0.88	1	**7**	0	0	2.88	0	1	7	2.63	0	3	5
	MIC	0.63	3	**5**	0	0	3.00	0	0	8	2.88	0	1	7
	PIT	0.88	1	**7**	0	0	2.88	0	1	7	2.88	0	1	7
	SCC	1.00	0	**8**	0	0	2.88	0	1	7	2.88	0	1	7
Subgroup 46.3	Tees, weldolets, reducers, threaded caps, and nozzles SS TP 304/316 Borated water, 70-110°F and 65 psi, 80gpm													
	CREV	1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
	FAT	0.88	1	**7**	0	0	2.88	0	1	7	2.63	0	3	5
	PIT	0.88	1	**7**	0	0	2.88	0	1	7	2.88	0	1	7
	SCC	1.00	0	**8**	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 PRESSURIZED WATER REACTOR COMPONENTS

46 Support System

Spent Fuel Pool Cleaning Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 46.4		Valves SS TP 304, 316 Borated water, 70-110°F and 65 psi, 80gpm												
CREV		1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
FAT		0.88	1	**7**	0	0	2.88	0	1	7	2.63	0	3	5
PIT		0.88	1	**7**	0	0	2.88	0	1	7	2.88	0	1	7
SCC		1.00	0	**8**	0	0	2.88	0	1	7	2.88	0	1	7
Subgroup 46.5		Straight pipe SS TP 304, 316 Borated water, 70-110°F and 65 psi, 80gpm												
CREV		0.88	1	**7**	0	0	2.88	0	1	7	2.75	0	2	6
FAT		0.88	1	**7**	0	0	2.88	0	1	7	2.63	0	3	5
PIT		0.88	1	**7**	0	0	2.88	0	1	7	2.88	0	1	7
SCC		1.00	0	**8**	0	0	2.88	0	1	7	2.88	0	1	7
Subgroup 46.6		Flanges SS TP 304, 316 Borated water, 70-110°F and 65 psi, 80gpm												
CREV		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
FAT		0.75	2	**6**	0	0	2.88	0	1	7	2.75	0	2	6
PIT		1.00	0	**8**	0	0	2.75	0	2	6	2.75	0	2	6
SCC		1.00	0	**8**	0	0	2.88	0	1	7	2.88	0	1	7
Subgroup 46.7		Mixed bed components SS TP 304, 316 Borated water, 70-110°F and 65 psi, 80gpm												
CREV		1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
FAT		0.88	1	**7**	0	0	2.75	0	2	6	2.63	0	3	5
MIC	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
PIT		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
SCC		1.00	0	**8**	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 PRESSURIZED WATER REACTOR COMPONENTS

47 Auxiliary System

Spent Fuel Pool and Fuel Racks

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 47.1		Spent fuel pool TP 304 SS High purity Borated water with oxygen 100 - 150°F, Ambient pressure												
CREV		1.00	0	**8**	0	0	2.75	0	2	6	2.75	0	2	6
GC		0.67	**3**	2	1	0	3.00	0	0	6	3.00	0	0	6
PIT		1.00	0	**8**	0	0	2.75	0	2	6	2.75	0	2	6
SCC		1.00	0	**8**	0	0	2.88	0	1	7	2.75	0	2	6
WEAR	*	1.00	1	**5**	1	0	2.29	1	3	3	2.14	1	4	2
Subgroup 47.2		Spent fuel pool TP 304 SS weld HAZ High purity Borated water with oxygen 100 - 150°F, Ambient pressure												
CREV		1.00	0	**8**	0	0	2.75	0	2	6	2.75	0	2	6
FAT	*	0.75	3	**4**	1	0	2.50	1	2	5	2.50	0	4	4
PIT		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
SCC		1.38	0	**5**	3	0	2.88	0	1	7	2.75	0	2	6
Subgroup 47.3		Spent fuel pool SS weld metal High purity Borated water with oxygen 100 - 150°F, Ambient pressure												
CREV		1.00	0	**8**	0	0	2.75	0	2	6	2.75	0	2	6
FAT	*	0.75	3	**4**	1	0	2.50	1	2	5	2.50	0	4	4
PIT		1.00	0	**8**	0	0	2.75	0	2	6	2.75	0	2	6
SCC		1.00	0	**8**	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 PRESSURIZED WATER REACTOR COMPONENTS

47 Auxiliary System

Spent Fuel Pool and Fuel Racks

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 47.4		Boral panels Aluminum High purity Borated water with oxygen 100 - 150°F, Ambient pressure												
CREV		1.13	1	**5**	2	0	2.88	0	1	7	2.75	0	2	6
GC	*	1.00	1	**6**	1	0	2.88	0	1	7	2.75	0	2	6
PIT		1.13	0	**7**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 47.5		Fuel Assembly Zr- alloy High purity Borated water with oxygen 100 - 150°F, Ambient pressure												
GC	*	1.00	2	**4**	2	0	2.75	0	2	6	2.63	0	3	5
SCC		0.63	3	**5**	0	0	2.75	0	2	6	2.63	0	3	5
Subgroup 47.6		Spent Fuel Pool floor with SS liner High purity Borated water with oxygen 100 - 150°F, Ambient pressure												
CREV		0.88	1	**7**	0	0	2.75	0	2	6	2.63	0	3	5
FAT		0.75	2	**6**	0	0	2.88	0	1	7	2.63	0	3	5
MIC	*	1.00	2	**4**	2	0	2.75	0	2	6	2.75	0	2	6
PIT	*	1.00	1	**6**	1	0	2.75	0	2	6	2.63	0	3	5
SCC		1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
Subgroup 47.7		Spent Fuel Pool floor with SS liner Humid air, gamma radiation, external surface 100 - 150°F, Ambient pressure												
CREV		1.25	0	**6**	2	0	2.75	0	2	6	2.75	0	2	6
PIT		1.13	0	**7**	1	0	2.88	0	1	7	2.88	0	1	7
SCC		1.13	1	**5**	2	0	2.75	0	2	6	2.38	1	3	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 PRESSURIZED WATER REACTOR COMPONENTS

48 Engineered Safety Features System

Containment Penetrations for Process Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 48.1		TP 304, LAS, CS (Base metal, HAZ and Weld Metal except 304) Ambient air and pressure, Possible concentration of impurities such as Cl (outside)												
CREV		0.88	1	**7**	0	0	2.63	0	3	5	2.63	0	3	5
FAT		0.63	3	**5**	0	0	2.88	0	1	7	2.63	0	3	5
GC		0.63	3	**5**	0	0	2.88	0	1	7	2.75	0	2	6
MIC		0.75	2	**6**	0	0	2.75	0	2	6	2.63	0	3	5
PIT		0.88	1	**7**	0	0	2.75	0	2	6	2.63	0	3	5
SCC		0.88	1	**7**	0	0	2.75	0	2	6	2.75	0	2	6
Subgroup 48.2		TP 304 sleeves (SA-316, Gr. 60 & SA-335, Gr.6) dissimilar weld Ambient air and pressure Possible concentration of impurities such as Cl Possible use of buttering by Ni-base alloy												
CREV	*	1.00	1	**6**	1	0	2.63	0	3	5	2.63	0	3	5
FAT		0.63	3	**5**	0	0	2.88	0	1	7	2.63	0	3	5
GC		0.63	3	**5**	0	0	2.88	0	1	7	2.75	0	2	6
MIC		0.75	2	**6**	0	0	2.75	0	2	6	2.63	0	3	5
PIT		0.88	1	**7**	0	0	2.75	0	2	6	2.63	0	3	5
SCC		0.88	1	**7**	0	0	2.75	0	2	6	2.75	0	2	6
Subgroup 48.3.1		Penetration pipes (MS and FW) SA155 GR. NCGS and SA106, GR.B Inside:Main steam/Feed water, 557°F, 1092-1185psi												
CREV		0.50	2	**2**	0	0	3.00	0	0	4	2.75	0	1	3
FAT		0.67	2	**4**	0	0	2.50	0	3	3	2.33	0	4	2
GC	*	0.80	2	**2**	1	0	2.80	0	1	4	2.60	0	2	3
MIC		0.40	**3**	2	0	0	3.00	0	0	5	2.80	0	1	4
PIT	*	0.80	2	**2**	1	0	2.80	0	1	4	2.60	0	2	3
SCC		0.83	1	**5**	0	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 PRESSURIZED WATER REACTOR COMPONENTS

48 Engineered Safety Features System

Containment Penetrations for Process Piping

		Susceptibility				Confidence				Knowledge			
	Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 48.3.2	Penetration pipes (MS and FW) SA155 GR. NCGS and SA106, GR.B Outside:Cooled air, Temperature below 150°F and ambient pressure												
CREV	0.75	2	**6**	0	0	2.75	0	2	6	2.63	0	3	5
FAT	0.75	2	**6**	0	0	2.75	0	2	6	2.50	0	4	4
GC	0.75	2	**6**	0	0	2.75	0	2	6	2.63	0	3	5
MIC	0.75	2	**6**	0	0	2.75	0	2	6	2.63	0	3	5
PIT	0.75	2	**6**	0	0	2.75	0	2	6	2.63	0	3	5
SCC	0.75	2	**6**	0	0	2.75	0	2	6	2.75	0	2	6
Subgroup 48.4.1	Penetration pipes (RHR, SI, CVCS) TP 304, TP 316L Inside:Primary water, Temp. 350°F - 165°F, Pressure 450 - 75/100 psi												
CREV	0.50	2	**2**	0	0	3.00	0	0	4	2.75	0	1	3
FAT	0.60	2	**3**	0	0	2.80	0	1	4	2.40	1	1	3
GC	0.40	**3**	2	0	0	3.00	0	0	5	2.80	0	1	4
MIC	0.40	**3**	2	0	0	3.00	0	0	5	2.80	0	1	4
PIT	0.60	2	**3**	0	0	3.00	0	0	5	2.80	0	1	4
SCC	0.80	1	**4**	0	0	3.00	0	0	5	2.80	0	1	4
Subgroup 48.4.2	Penetration pipes (RHR, SI, CVCS) TP 304, TP 316L Outside:Cooled air Temperature below 150 F and ambient pressure												
CREV	0.75	2	**6**	0	0	2.88	0	1	7	2.75	0	2	6
FAT	0.71	2	**5**	0	0	2.86	0	1	6	2.57	0	3	4
GC	0.75	2	**6**	0	0	2.88	0	1	7	2.75	0	2	6
MIC	0.75	2	**6**	0	0	2.88	0	1	7	2.75	0	2	6
PIT	0.75	2	**6**	0	0	2.88	0	1	7	2.75	0	2	6
SCC	0.88	1	**7**	0	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 PRESSURIZED WATER REACTOR COMPONENTS

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Containment Penetrations for Process Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 48.5.1		Penetration pipes (SW and CCW) SA106, GR.B Temperature 130°F, Pressure 75/100 - 150 psi												
CREV	*	0.83	2	**3**	1	0	2.67	0	2	4	2.50	0	3	3
FAT		0.67	**3**	2	1	0	2.83	0	1	5	2.67	0	2	4
GC	*	0.83	2	**3**	1	0	2.83	0	1	5	2.67	0	2	4
MIC	*	0.83	2	**3**	1	0	2.83	0	1	5	2.67	0	2	4
PIT	*	0.83	2	**3**	1	0	2.83	0	1	5	2.50	0	3	3
SCC	*	0.83	2	**3**	1	0	2.83	0	1	5	2.67	0	2	4
Subgroup 48.5.2		Penetration pipes (SW and CCW) SA106, GR.B Outside: Cooled air, Temperature below 150°F and ambient pressure												
CREV		1.00	0	**7**	0	0	2.71	0	2	5	2.71	0	2	5
FAT		0.86	1	**6**	0	0	2.86	0	1	6	2.86	0	1	6
GC		0.86	1	**6**	0	0	2.71	0	2	5	2.71	0	2	5
PIT		1.14	0	**6**	1	0	2.71	0	2	5	2.71	0	2	5
SCC		0.86	1	**6**	0	0	2.86	0	1	6	2.86	0	1	6
Subgroup 48.6		Penetration pipes/sleeves dissimilar weld, HAZ (SW and CCW) TP 304 & 316L, LAS & CS Ambient temp and pressure												
CREV		0.88	1	**7**	0	0	2.88	0	1	7	2.88	0	1	7
FAT		0.63	3	**5**	0	0	2.75	0	2	6	2.50	1	2	5
GC		0.75	2	**6**	0	0	2.88	0	1	7	2.75	0	2	6
MIC		0.75	2	**6**	0	0	2.88	0	1	7	2.75	0	2	6
PIT		0.75	2	**6**	0	0	2.88	0	1	7	2.75	0	2	6
SCC		0.88	1	**7**	0	0	2.88	0	1	7	2.88	0	1	7

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Containment Penetrations for Process Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 48.7		Sleeves & Flued Head (LAS & CS) SA-316, Gr. 60, SA-335, Gr.6, SA-350 GR LF-1, SA-240, GR.304 & SA516 GR. 60 Ambient temp and pressure												
CREV	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
FAT	*	0.88	2	**5**	1	0	2.75	0	2	6	2.63	0	3	5
GC	*	0.88	2	**5**	1	0	2.75	0	2	6	2.63	0	3	5
MIC	*	0.88	2	**5**	1	0	2.75	0	2	6	2.63	0	3	5
PIT	*	1.00	1	**6**	1	0	2.75	0	2	6	2.63	0	3	5
SCC	*	0.88	2	**5**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 48.8		Sleeves/Flued Head HAZ (LAS & CS) SA-316, Gr. 60, SA-335, Gr.6, SA-350 GR LF-1, SA-240, GR.304 & SA516 GR. 60 Ambient temp and pressure												
CREV	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
FAT	*	0.88	2	**5**	1	0	2.75	0	2	6	2.63	0	3	5
GC	*	0.88	2	**5**	1	0	2.75	0	2	6	2.63	0	3	5
MIC	*	0.88	2	**5**	1	0	2.75	0	2	6	2.63	0	3	5
PIT	*	1.00	1	**6**	1	0	2.75	0	2	6	2.63	0	3	5
SCC	*	0.88	2	**5**	1	0	2.75	0	2	6	2.75	0	2	6
Subgroup 48.9		Sleeves/Flued Head weld (LAS & CS) SA-316, Gr. 60, SA-335, Gr.6, SA-350 GR LF-1, SA-240, GR.304 & SA516 GR. 60 Ambient temp and pressure												
CREV	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
FAT	*	0.88	2	**5**	1	0	2.75	0	2	6	2.63	0	3	5
GC	*	0.88	2	**5**	1	0	2.75	0	2	6	2.63	0	3	5
MIC	*	0.88	2	**5**	1	0	2.75	0	2	6	2.63	0	3	5
PIT	*	1.00	1	**6**	1	0	2.75	0	2	6	2.63	0	3	5
SCC	*	0.88	2	**5**	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.

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Containment Penetrations for Process Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 48.10		Leak chase channel plug Containment air Ambient temp and pressure												
CREV		0.86	1	**6**	0	0	3.00	0	0	7	3.00	0	0	7
FAT		0.71	2	**5**	0	0	3.00	0	0	7	2.71	0	2	5
GC		0.71	2	**5**	0	0	3.00	0	0	7	2.86	0	1	6
MIC		0.71	2	**5**	0	0	3.00	0	0	7	2.86	0	1	6
PIT		0.86	1	**6**	0	0	3.00	0	0	7	2.86	0	1	6
SCC		0.67	2	**4**	0	0	3.00	0	0	6	3.00	0	0	6
Subgroup 48.11		Flange and necked flange SA 105 or SA 305 GR. LF2 Ambient temp and pressure												
CREV	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
FAT	*	0.88	2	**5**	1	0	2.75	0	2	6	2.63	0	3	5
GC	*	0.88	2	**5**	1	0	2.75	0	2	6	2.63	0	3	5
MIC	*	0.88	2	**5**	1	0	2.75	0	2	6	2.63	0	3	5
PIT	*	1.00	1	**6**	1	0	2.75	0	2	6	2.63	0	3	5
SCC	*	0.75	3	**4**	1	0	2.75	0	2	6	2.63	0	3	5
Subgroup 48.12		Flange and necked flange/sleeves weld HAZ SA 105 or SA 305 GR. LF2 Ambient temp and pressure												
CREV	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
FAT	*	0.88	2	**5**	1	0	2.75	0	2	6	2.63	0	3	5
GC	*	0.88	2	**5**	1	0	2.75	0	2	6	2.63	0	3	5
MIC	*	0.88	2	**5**	1	0	2.75	0	2	6	2.63	0	3	5
PIT	*	1.00	1	**6**	1	0	2.75	0	2	6	2.63	0	3	5
SCC	*	0.86	2	**4**	1	0	2.71	0	2	5	2.71	0	2	5

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Containment Penetrations for Process Piping

		Susceptibility					Confidence				Knowledge			
		Average	0	1	2	3	Average	1	2	3	Average	1	2	3
Subgroup 48.13		Flange and necked flange/sleeves weld metal SA 105 or SA 305 GR. LF2 Ambient temp and pressure												
CREV	*	1.00	1	**6**	1	0	2.75	0	2	6	2.75	0	2	6
FAT	*	0.88	2	**5**	1	0	2.75	0	2	6	2.63	0	3	5
GC	*	0.88	2	**5**	1	0	2.75	0	2	6	2.63	0	3	5
MIC	*	0.88	2	**5**	1	0	2.75	0	2	6	2.63	0	3	5
PIT	*	1.00	1	**6**	1	0	2.75	0	2	6	2.63	0	3	5
SCC	*	0.75	3	**4**	1	0	2.75	0	2	6	2.63	0	3	5
Subgroup 48.14		Containment Bldg penetrations Carbon steel bellows Outside or auxiliary building air												
CREV		1.13	1	**5**	2	0	2.75	0	2	6	2.75	0	2	6
FAT	*	1.00	2	**4**	2	0	2.63	0	3	5	2.50	0	4	4
GC		1.13	1	**5**	2	0	2.75	0	2	6	2.75	0	2	6
MIC		1.13	1	**5**	2	0	2.75	0	2	6	2.75	0	2	6
PIT		1.13	1	**5**	2	0	2.75	0	2	6	2.63	0	3	5
SCC	*	1.00	2	**4**	2	0	2.75	0	2	6	2.75	0	2	6

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