

Waterford 3

4Q/2005 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



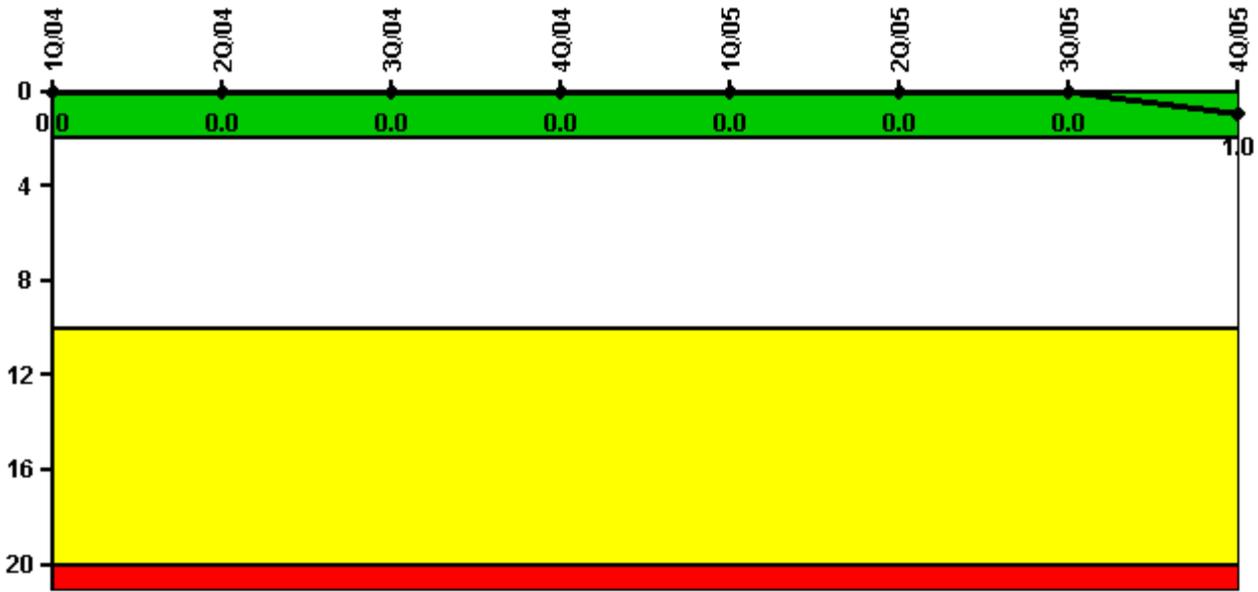
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2184.0	2183.0	2208.0	2209.0	2160.0	885.0	1831.3	2151.6
Indicator value	0	0	0	0	0	0	0	1.0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



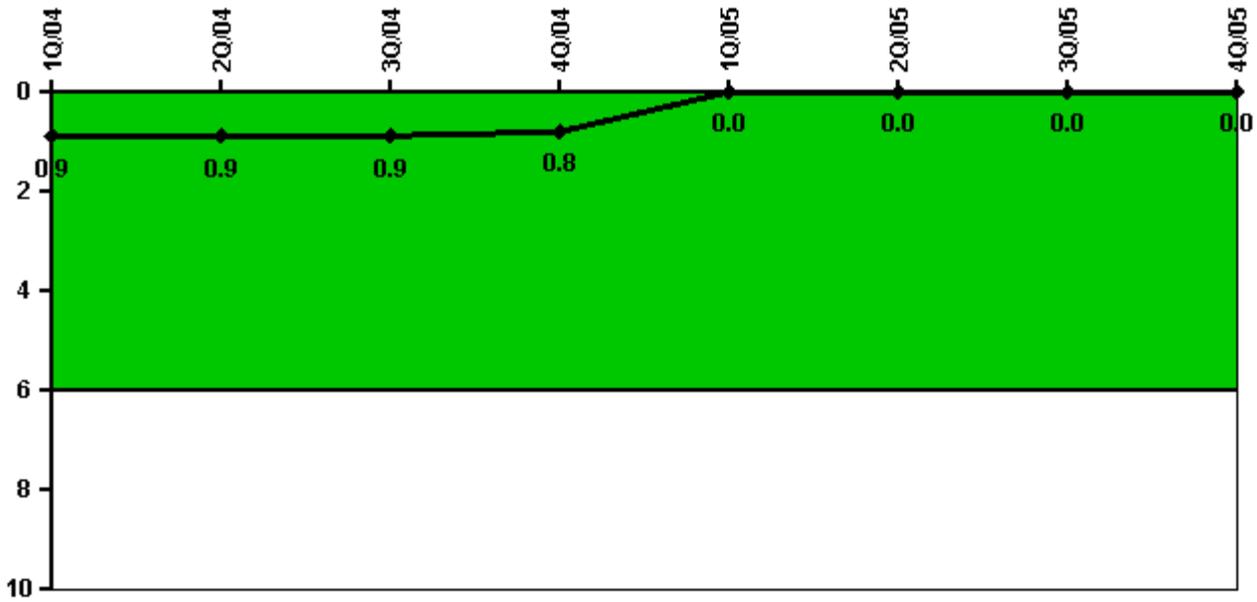
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Scrams	0	0	0	0	0	0	0	1.0
Indicator value	0	0	0	0	0	0	0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



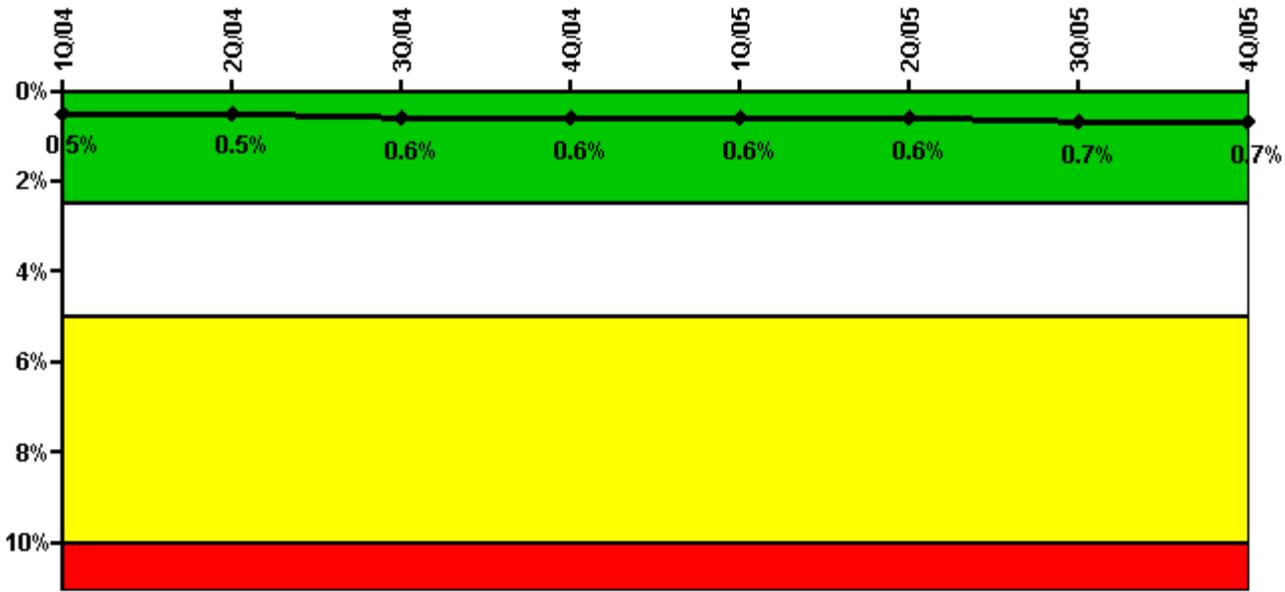
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	2184.0	2183.0	2208.0	2209.0	2160.0	885.0	1831.3	2151.6
Indicator value	0.9	0.9	0.9	0.8	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



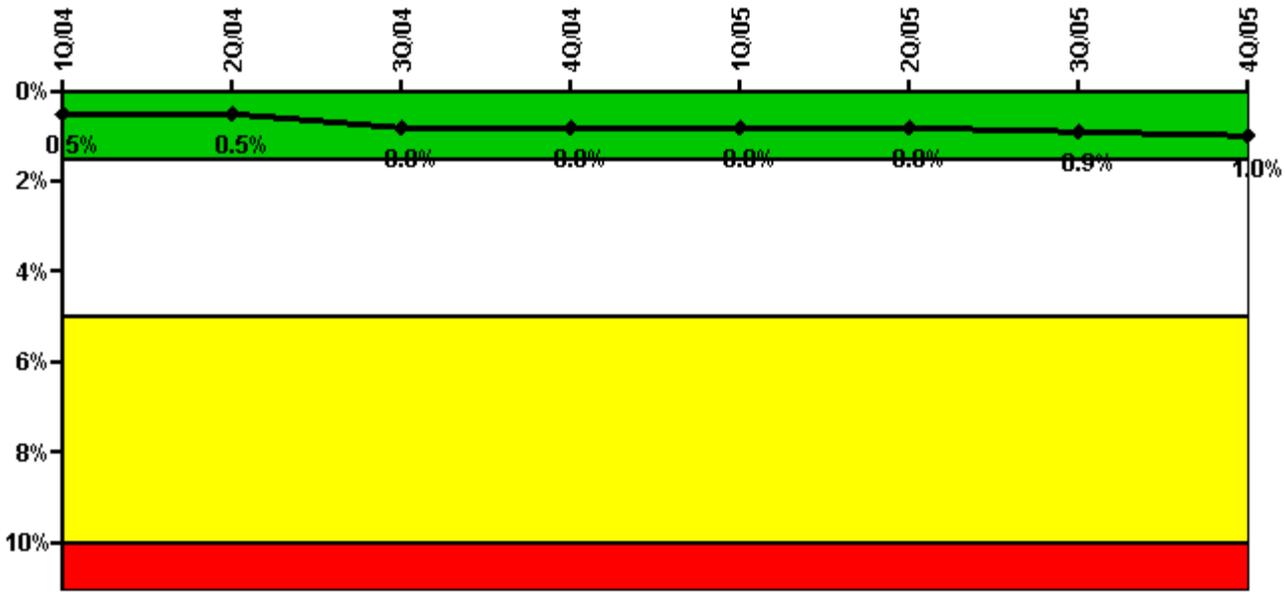
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	0	1.18	3.40	4.00	6.73	10.40	4.73	11.88
Unplanned unavailable hours	0	0	32.40	1.27	0	0	9.67	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	1999.87	2208.00	2209.00
Train 2								
Planned unavailable hours	6.86	0	10.08	16.59	0	0	4.42	44.96
Unplanned unavailable hours	22.82	0.05	28.68	17.65	1.62	7.20	28.60	0
Fault exposure hours	0	0	0	0	22.23	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	1999.87	2208.00	2209.00
Indicator value	0.5%	0.5%	0.6%	0.6%	0.6%	0.6%	0.7%	0.7%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

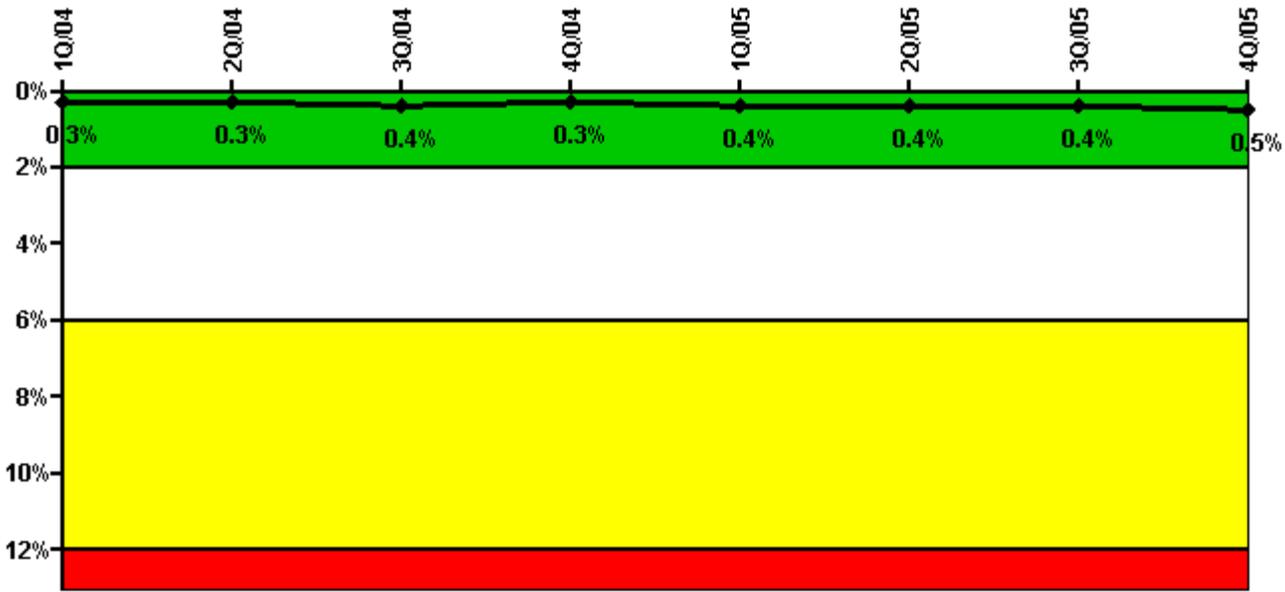
Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	0	2.48	51.60	0	3.25	0.62	4.32	11.88
Unplanned unavailable hours	0	0	15.82	1.27	0	0	9.67	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	938.52	1852.39	2209.00
Train 2								
Planned unavailable hours	6.86	19.07	42.97	22.80	0	0	4.55	71.39
Unplanned unavailable hours	0	0.05	38.35	0	1.62	5.78	28.60	0
Fault exposure hours	0	0	0	0	22.23	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	938.52	1852.39	2209.00
Indicator value	0.5%	0.5%	0.8%	0.8%	0.8%	0.8%	0.9%	1.0%

Licensee Comments:

4Q/05: The NRC has indicated that this PI is under review and an inspection will be performed per Inspection Procedure 71150, "Discrepant or Unreported Performance Indicator Data."

Safety System Unavailability, Heat Removal System (AFW)



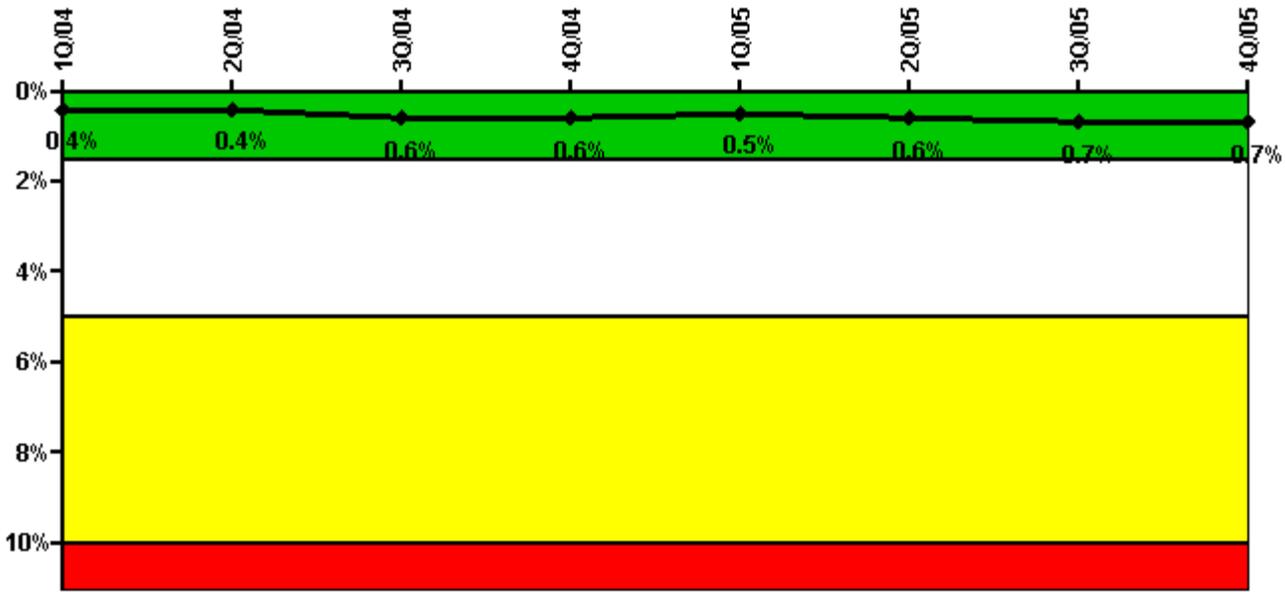
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	12.60	0	16.35	0	3.25	0.62	0	11.88
Unplanned unavailable hours	0	0	15.82	1.27	0	0	9.67	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	938.52	1852.39	2209.00
Train 2								
Planned unavailable hours	21.58	0	4.50	9.57	12.35	0	0.62	38.64
Unplanned unavailable hours	0	0.05	0	0	1.62	5.78	28.60	0
Fault exposure hours	0	0	0	0	22.23	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	938.52	1852.39	2209.00
Train 3								
Planned unavailable hours	0	20.53	0	0	0	0	0	3.33
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	938.52	1852.39	2209.00
Indicator value	0.3%	0.3%	0.4%	0.3%	0.4%	0.4%	0.4%	0.5%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



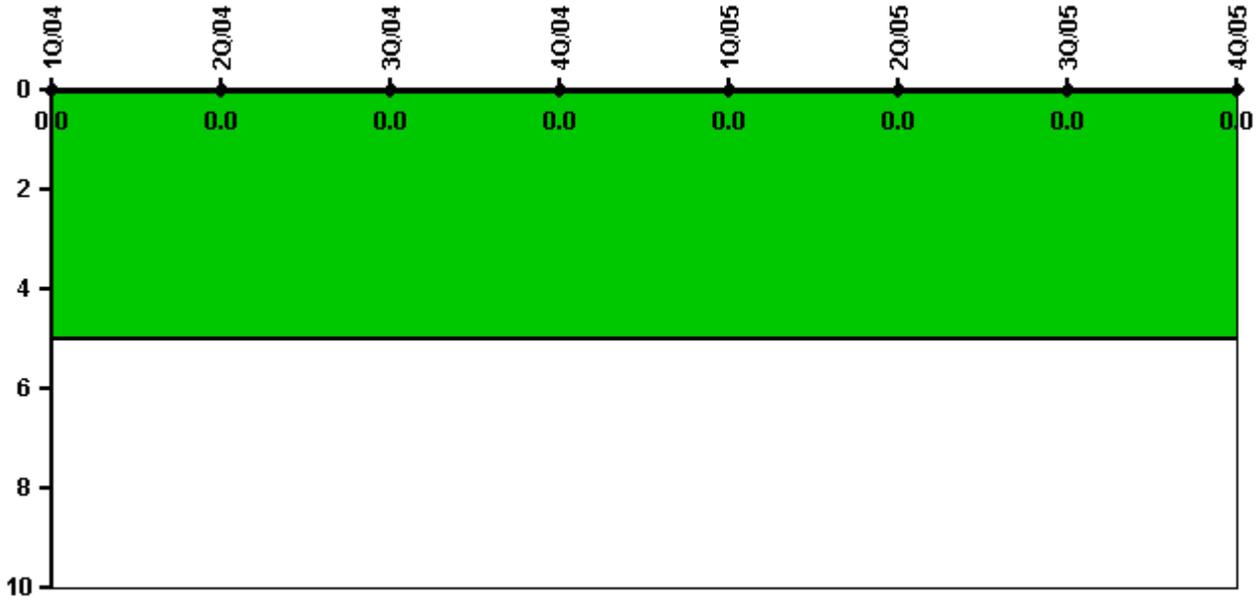
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	26.33	0	48.46	0	3.25	13.15	6.33	30.24
Unplanned unavailable hours	0	0	15.82	1.27	0	0	9.67	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	938.52	1852.39	2209.00
Train 2								
Planned unavailable hours	6.86	26.84	56.55	37.14	15.83	0	19.87	51.02
Unplanned unavailable hours	0	0.05	37.88	0	1.62	5.78	28.60	0
Fault exposure hours	0	0	0	0	22.23	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	938.52	1852.39	2209.00
Train 3								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0.23	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	0	0	1061.35	355.61	0
Train 4								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	6.37	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	0	0	1061.35	355.61	0
Indicator value	0.4%	0.4%	0.6%	0.6%	0.5%	0.6%	0.7%	0.7%

Licensee Comments: none

Safety System Functional Failures (PWR)



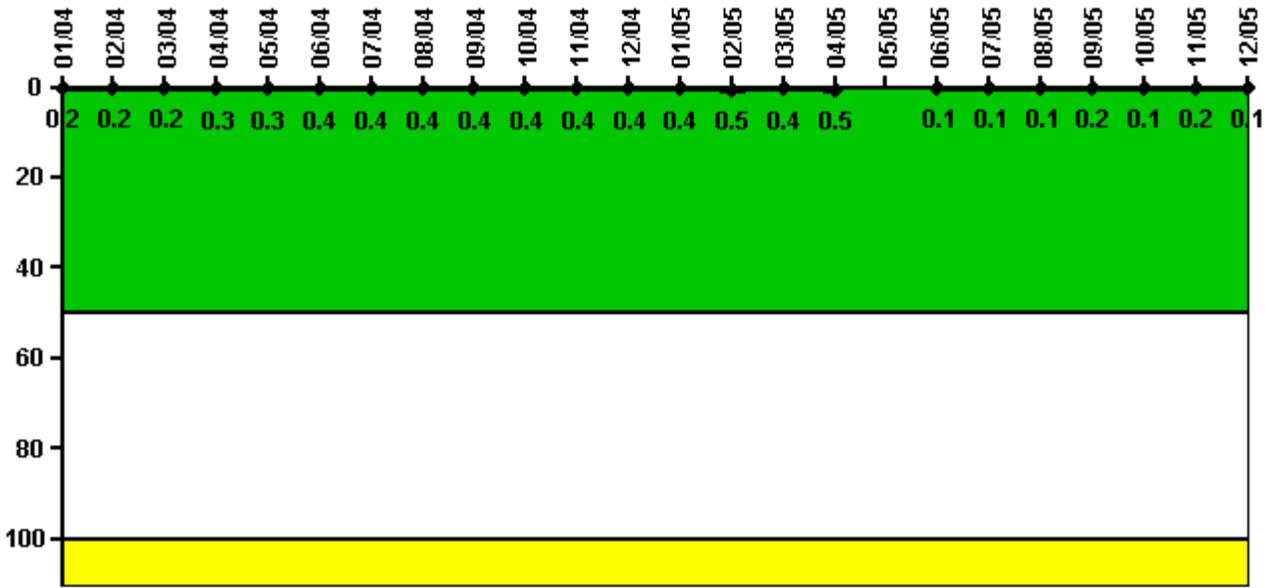
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

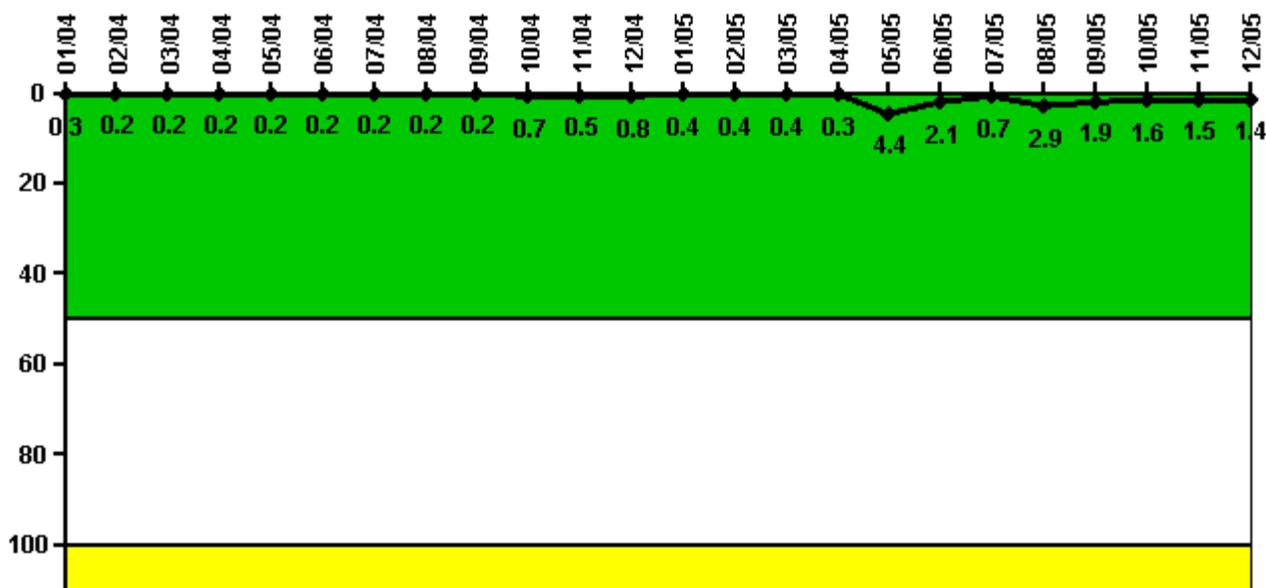
Notes

Reactor Coolant System Activity	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum activity	0.001920	0.002120	0.002410	0.002840	0.003340	0.003600	0.003660	0.003660	0.003930	0.004410	0.004250	0.004330
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Reactor Coolant System Activity	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum activity	0.004330	0.004810	0.004490	0.004510	N/A	0.000878	0.000988	0.001120	0.001530	0.001130	0.001870	0.001290
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.4	0.5	0.4	0.5	N/A	0.1	0.1	0.1	0.2	0.1	0.2	0.1

Licensee Comments: none

Reactor Coolant System Leakage



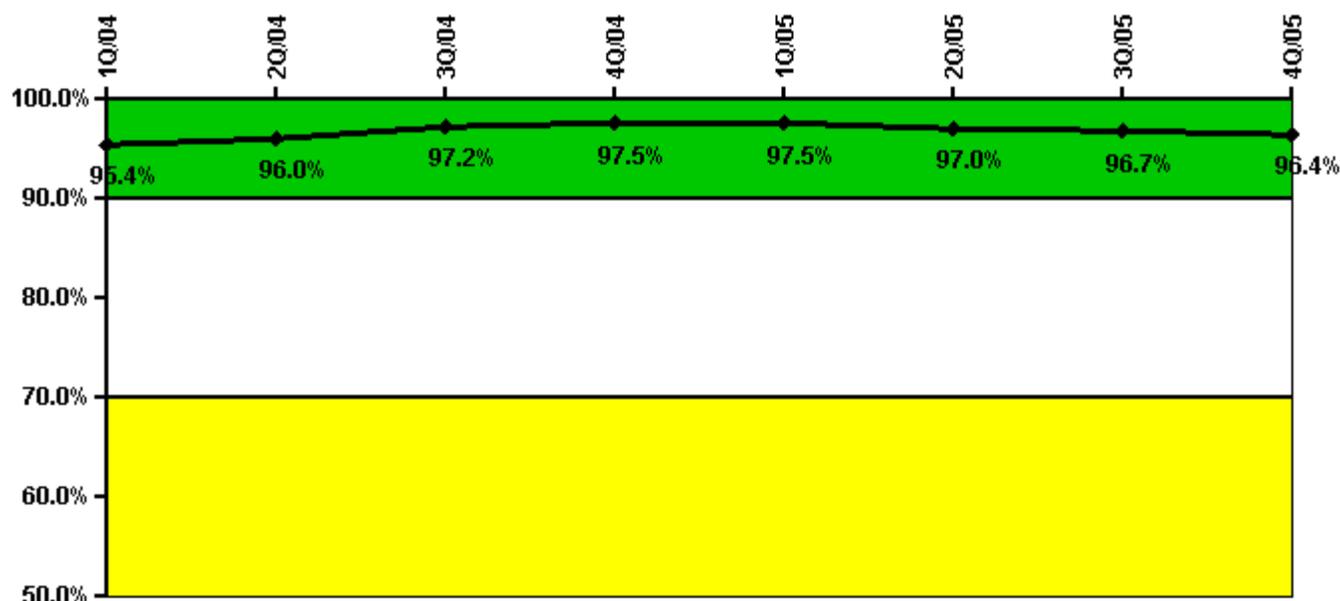
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum leakage	0.026	0.017	0.018	0.020	0.021	0.016	0.018	0.020	0.022	0.072	0.052	0.077
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.5	0.8
Reactor Coolant System Leakage	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum leakage	0.043	0.042	0.042	0.032	0.440	0.210	0.072	0.289	0.185	0.157	0.147	0.138
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.4	0.4	0.4	0.3	4.4	2.1	0.7	2.9	1.9	1.6	1.5	1.4

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

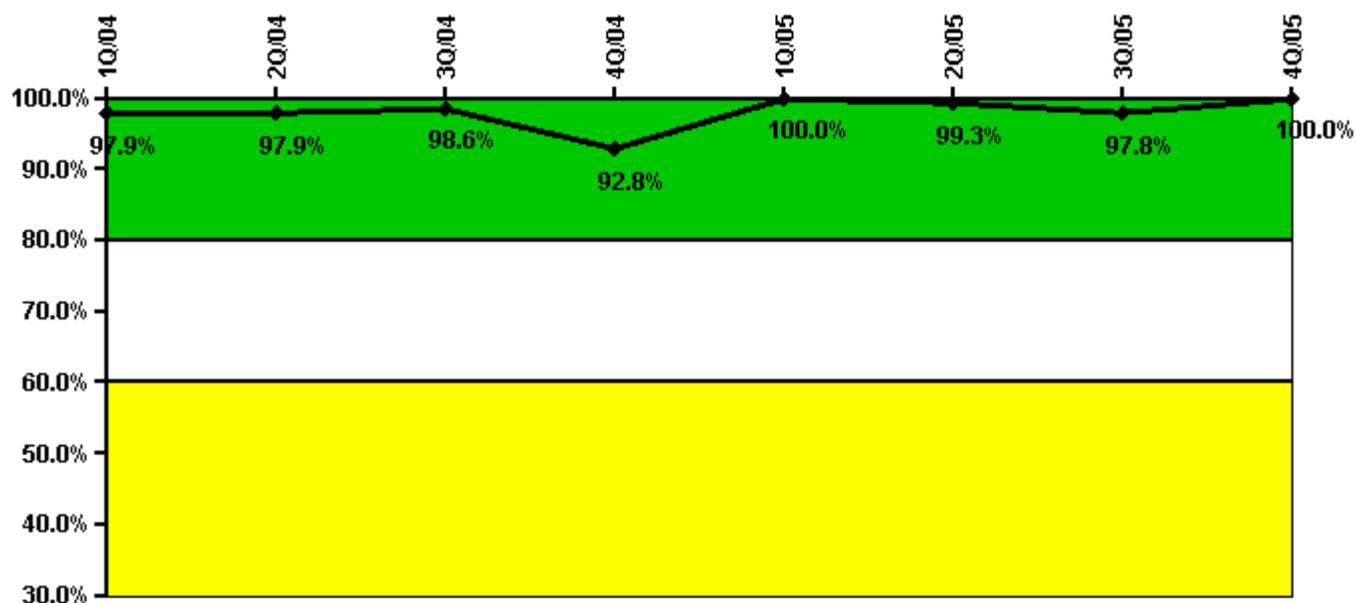
Notes

Drill/Exercise Performance	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful opportunities	24.0	22.0	14.0	10.0	23.0	4.0	15.0	22.0
Total opportunities	26.0	22.0	14.0	10.0	24.0	4.0	16.0	23.0
Indicator value	95.4%	96.0%	97.2%	97.5%	97.5%	97.0%	96.7%	96.4%

Licensee Comments:

4Q/05: The number of successful drill, exercise, and event opportunities for November 2005 has been reduced from 12 to 11. A communication form to offsite agencies contained both correct and incorrect information for wind speed during Hurricane Katrina. This change does not affect the color of the performance indicator.

ERO Drill Participation



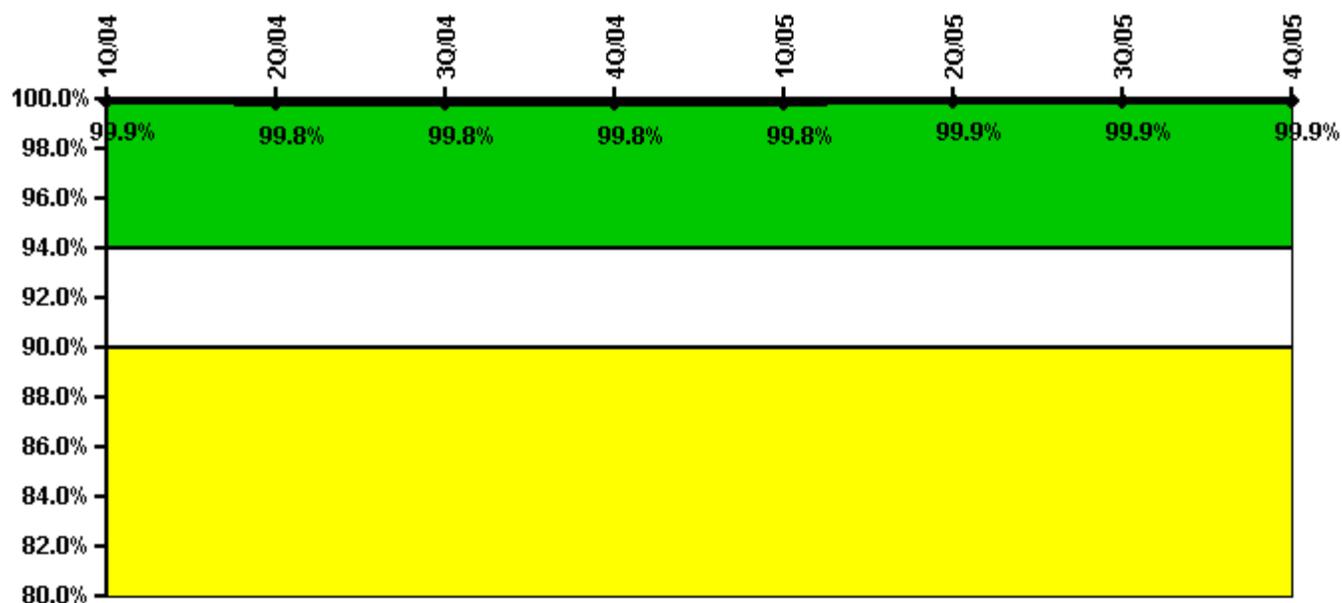
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Participating Key personnel	140.0	138.0	137.0	128.0	134.0	133.0	131.0	130.0
Total Key personnel	143.0	141.0	139.0	138.0	134.0	134.0	134.0	130.0
Indicator value	97.9%	97.9%	98.6%	92.8%	100.0%	99.3%	97.8%	100.0%

Licensee Comments: none

Alert & Notification System



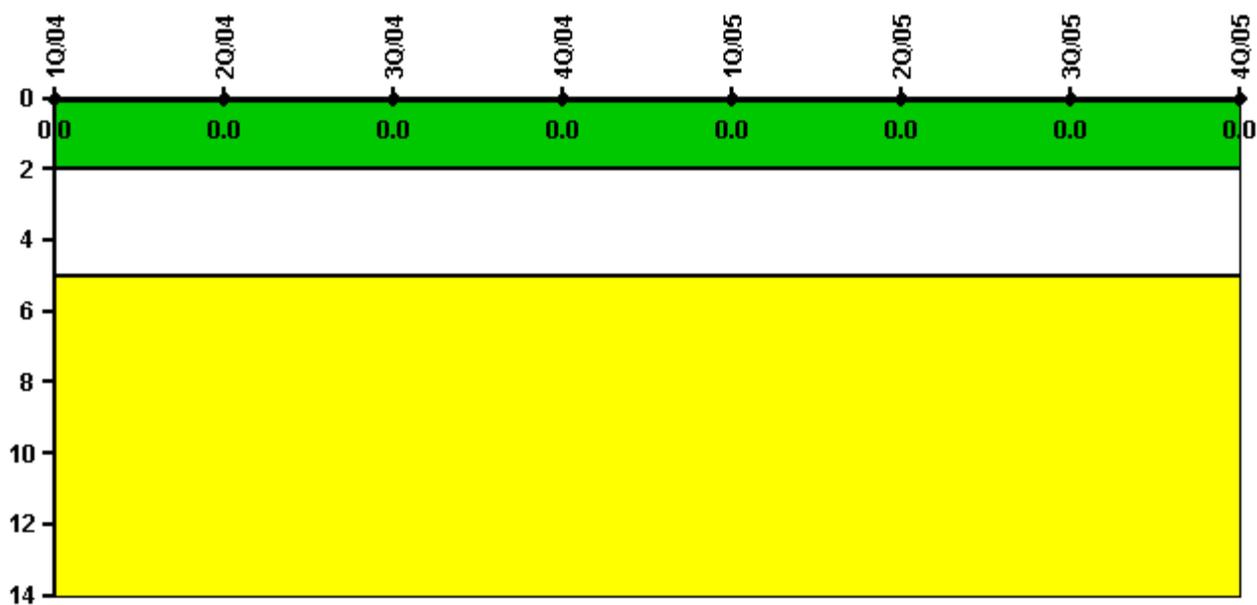
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful siren-tests	432	430	431	432	432	432	359	431
Total sirens-tests	432	432	432	432	432	432	360	432
Indicator value	99.9%	99.8%	99.8%	99.8%	99.8%	99.9%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



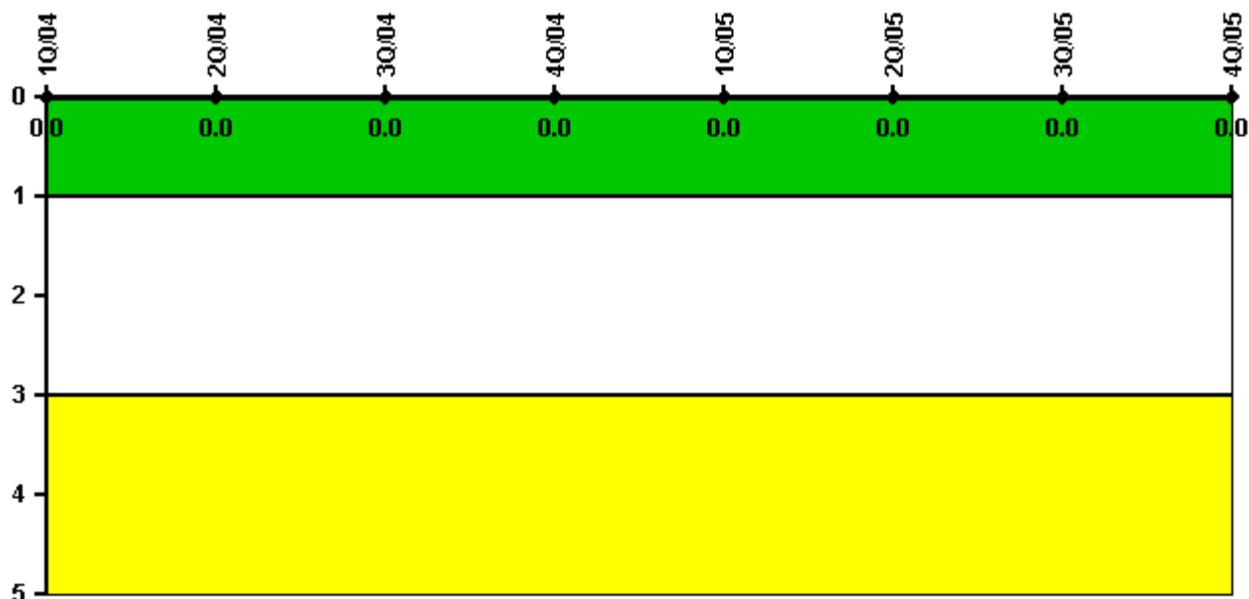
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0							

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[Physical Protection](#) information not publicly available.