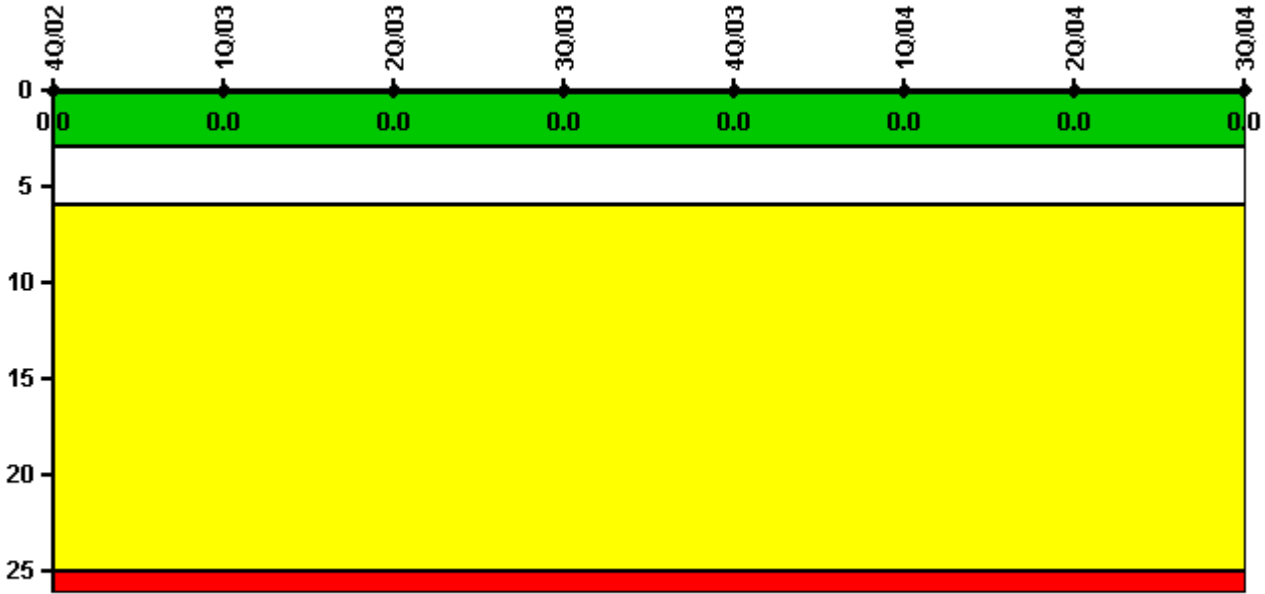


# Quad Cities 1

## 3Q/2004 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	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1720.9	2160.0	1960.2	2208.0	1758.9	2184.0	2183.0	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



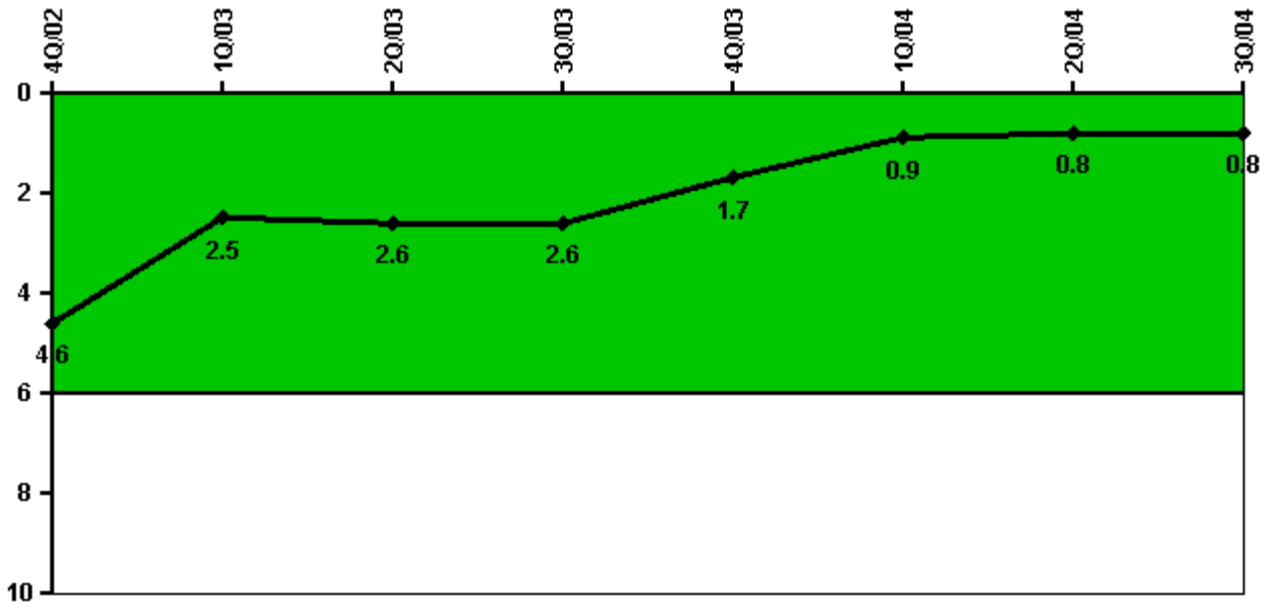
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

Scrams with Loss of Normal Heat Removal	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Scrams	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



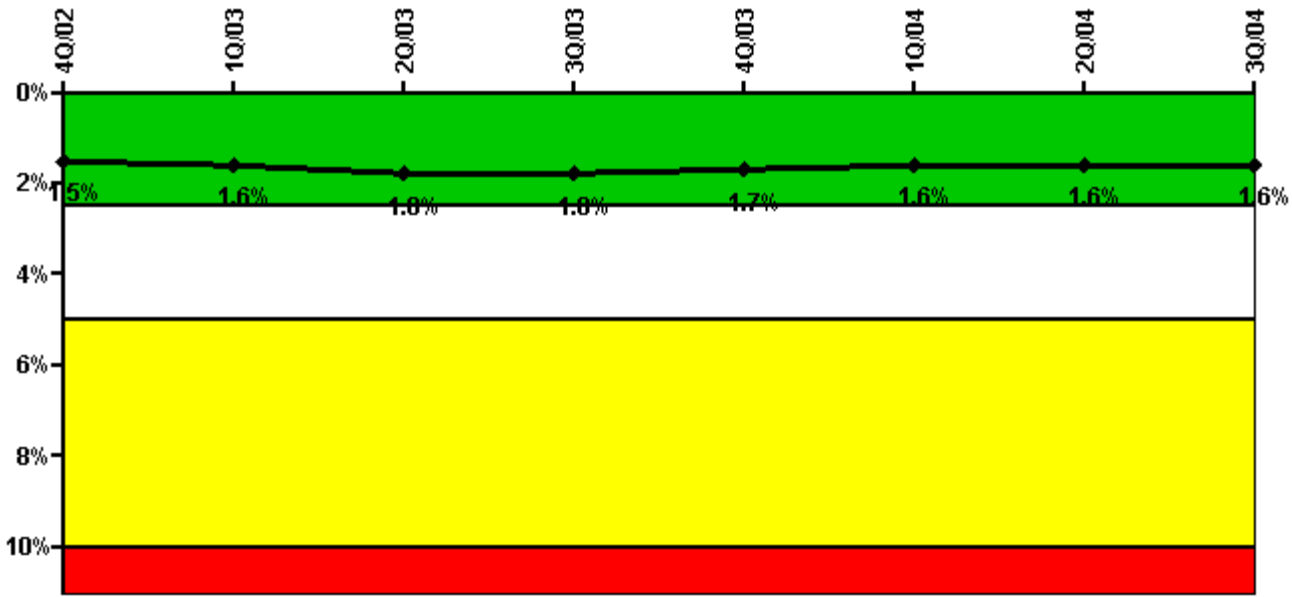
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned power changes	2.0	1.0	0	0	1.0	0	0	0
Critical hours	1720.9	2160.0	1960.2	2208.0	1758.9	2184.0	2183.0	2208.0
Indicator value	4.6	2.5	2.6	2.6	1.7	0.9	0.8	0.8

Licensee Comments: none

### Safety System Unavailability, Emergency AC Power



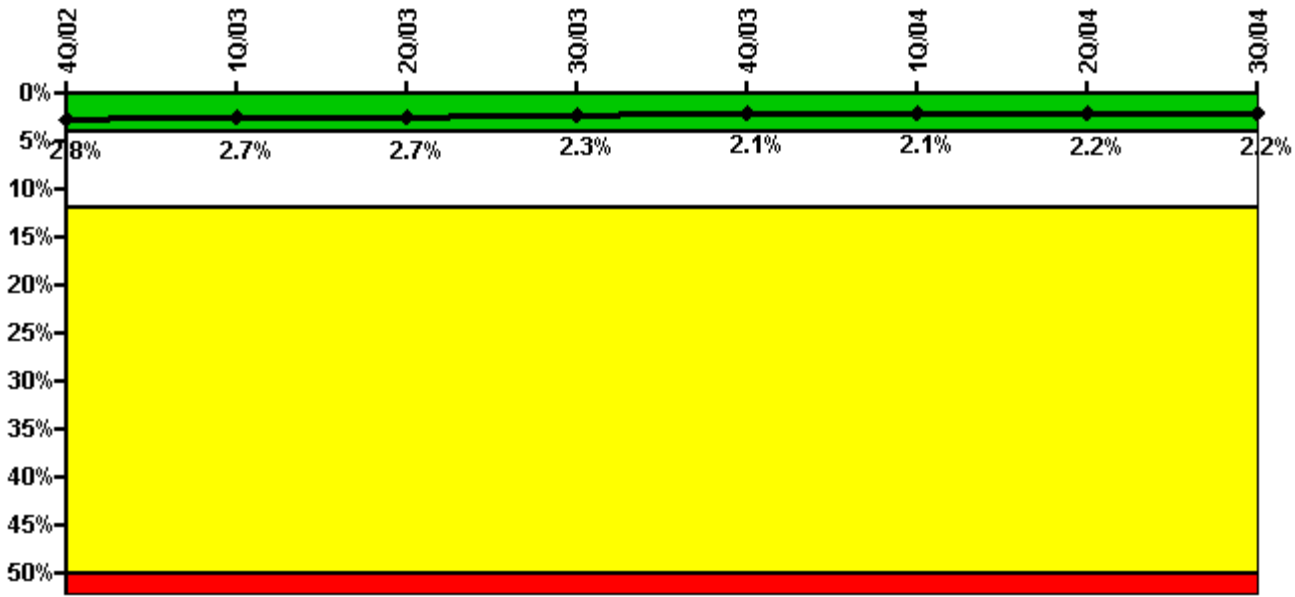
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, Emergency AC Power	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
<b>Train 1</b>								
Planned unavailable hours	16.72	54.15	59.64	13.50	4.90	10.03	9.30	27.11
Unplanned unavailable hours	0	0	0	0	0	0	2.02	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	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
<b>Train 2</b>								
Planned unavailable hours	86.15	36.84	93.67	13.52	9.52	47.00	61.53	8.02
Unplanned unavailable hours	20.15	0	0	50.80	13.60	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	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
<b>Indicator value</b>	<b>1.5%</b>	<b>1.6%</b>	<b>1.8%</b>	<b>1.8%</b>	<b>1.7%</b>	<b>1.6%</b>	<b>1.6%</b>	<b>1.6%</b>

Licensee Comments: none

### Safety System Unavailability, High Pressure Injection System (HPCI)



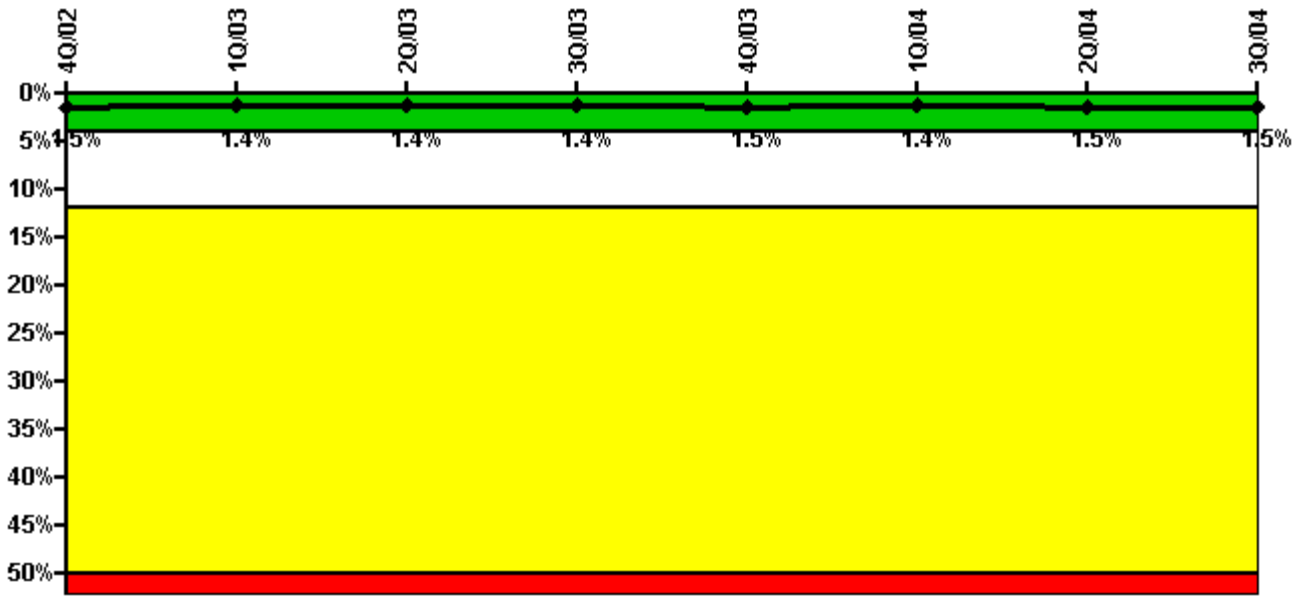
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

#### Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
<b>Train 1</b>								
Planned unavailable hours	8.08	34.48	27.86	3.73	34.44	8.20	82.45	4.91
Unplanned unavailable hours	37.30	0	0	0	0	0	3.10	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	1720.90	2160.00	1960.20	2208.00	1758.86	2184.00	2183.00	2208.00
<b>Indicator value</b>	<b>2.8%</b>	<b>2.7%</b>	<b>2.7%</b>	<b>2.3%</b>	<b>2.1%</b>	<b>2.1%</b>	<b>2.2%</b>	<b>2.2%</b>

Licensee Comments: none

### Safety System Unavailability, Heat Removal System (RCIC)



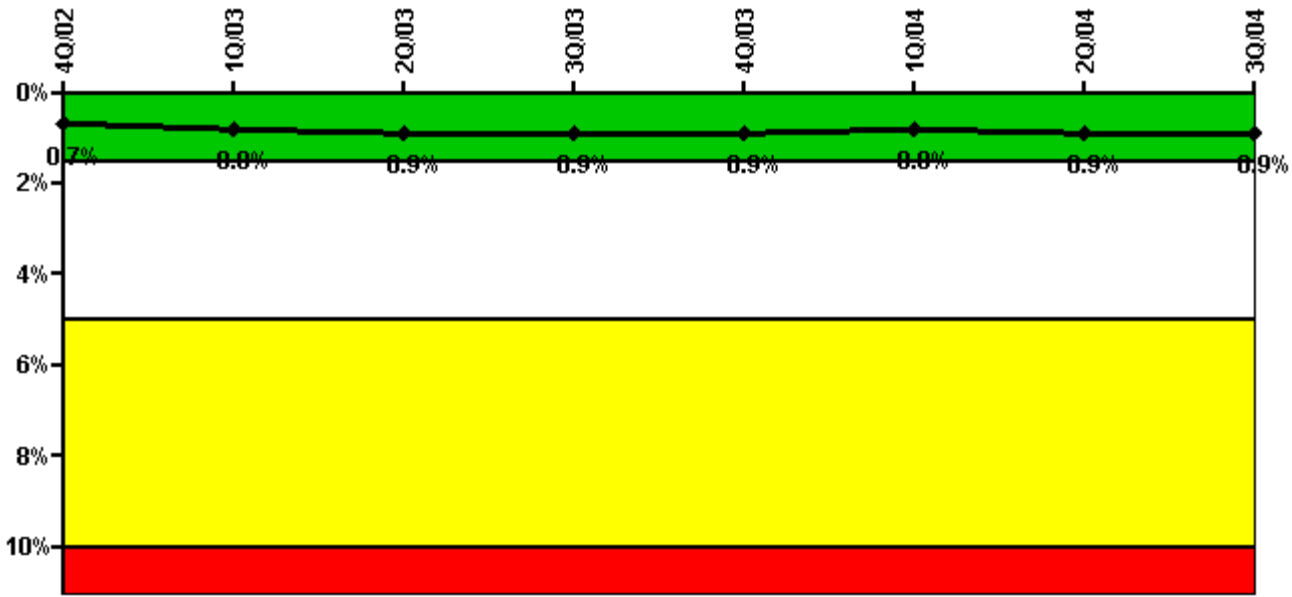
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

#### Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
<b>Train 1</b>								
Planned unavailable hours	4.15	22.82	51.97	8.79	30.31	6.88	62.15	4.71
Unplanned unavailable hours	33.37	0	0	0	0	0	7.92	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	1720.90	2160.00	1960.20	2208.00	1758.86	2184.00	2183.00	2208.00
<b>Indicator value</b>	<b>1.5%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.5%</b>	<b>1.4%</b>	<b>1.5%</b>	<b>1.5%</b>

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



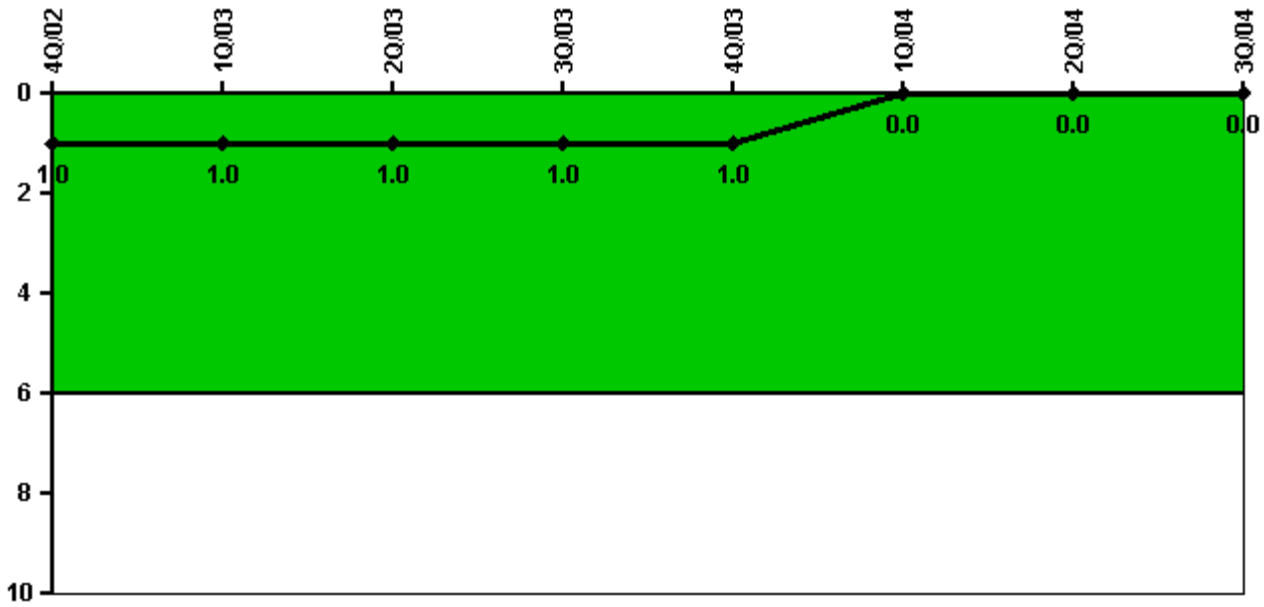
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

**Notes**

Safety System Unavailability, Residual Heat Removal System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
<b>Train 1</b>								
Planned unavailable hours	0	0	54.90	0	21.34	0	33.32	0
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	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
<b>Train 2</b>								
Planned unavailable hours	31.80	2.30	17.10	0	7.13	1.85	17.71	9.03
Unplanned unavailable hours	0	54.10	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	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
<b>Indicator value</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.9%</b>	<b>0.9%</b>	<b>0.9%</b>	<b>0.8%</b>	<b>0.9%</b>	<b>0.9%</b>

Licensee Comments: none

### Safety System Functional Failures (BWR)



Thresholds: White > 6.0

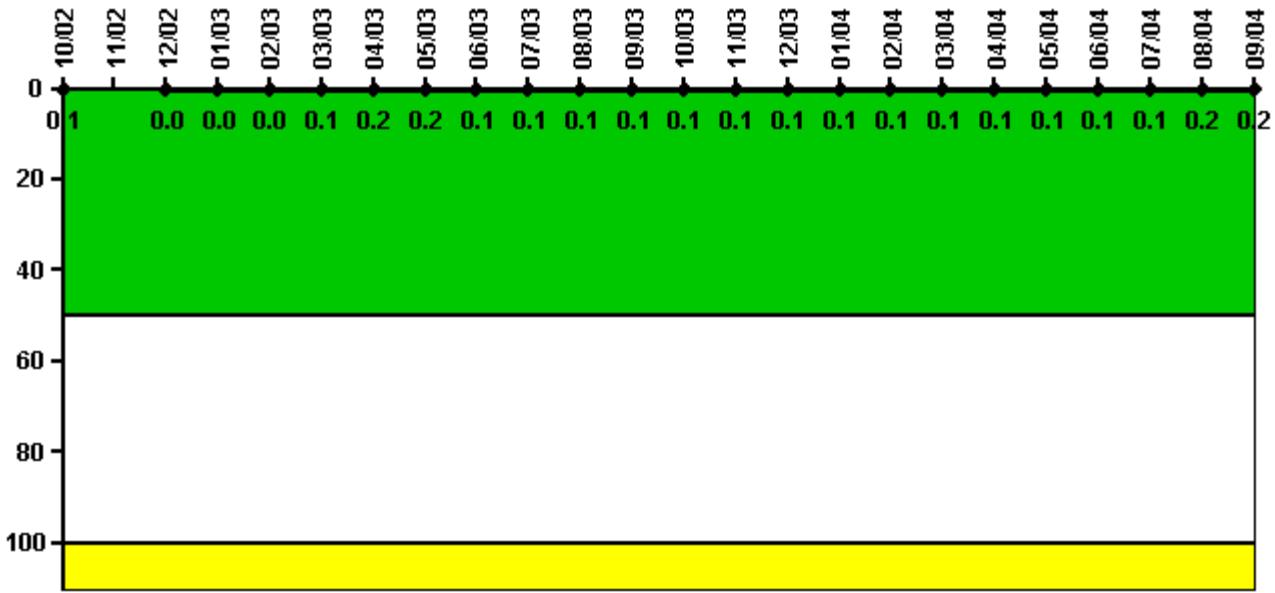
#### Notes

Safety System Functional Failures (BWR)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Safety System Functional Failures	0	1	0	0	0	0	0	0
Indicator value	1	1	1	1	1	0	0	0

Licensee Comments: none



### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

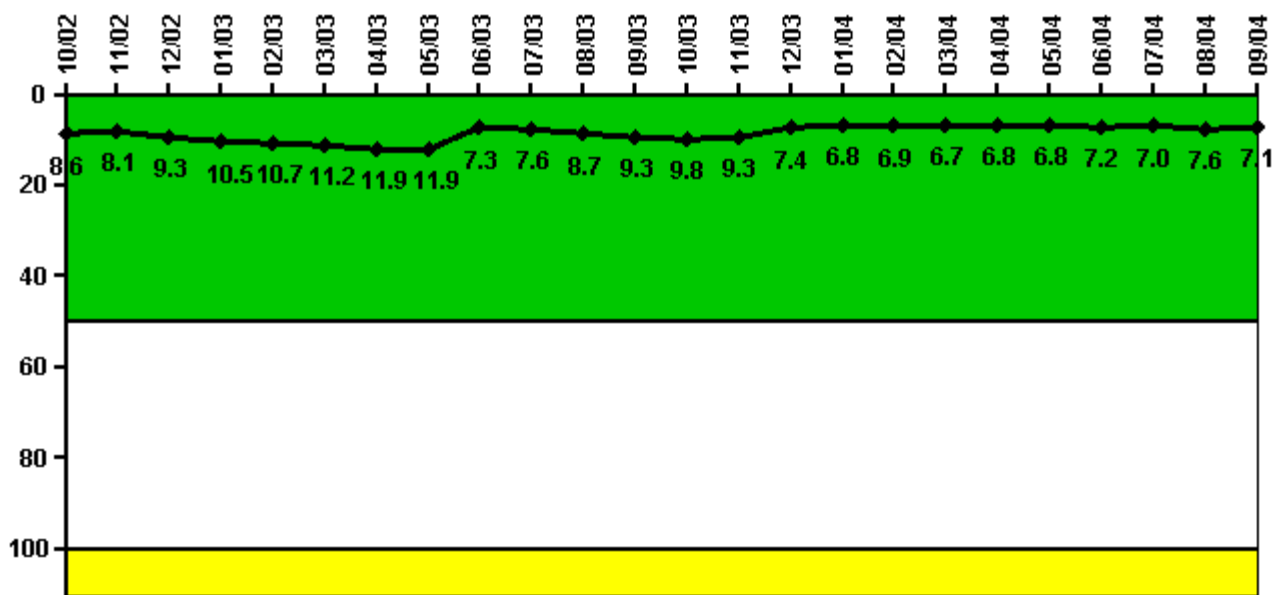
Reactor Coolant System Activity	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum activity	0.000217	N/A	0.000047	0.000056	0.000045	0.000228	0.000310	0.000324	0.000234	0.000222	0.000240	0.000248
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.1	N/A	0	0	0	0.1	0.2	0.2	0.1	0.1	0.1	0.1

Reactor Coolant System Activity	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum activity	0.000290	0.000200	0.000221	0.000175	0.000200	0.000206	0.000208	0.000200	0.000218	0.000239	0.000334	0.000306
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2

Licensee Comments: none

### Reactor Coolant System Leakage



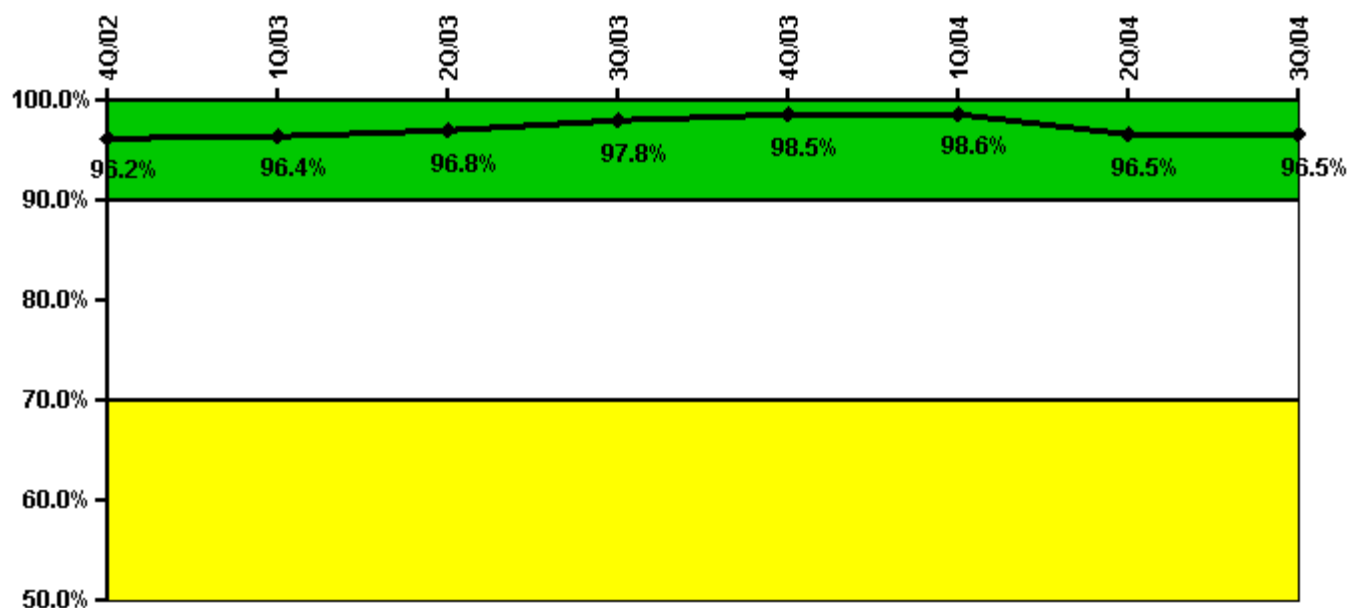
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	2.140	2.020	2.320	2.630	2.680	2.810	2.980	2.980	1.820	1.900	2.170	2.330
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	8.6	8.1	9.3	10.5	10.7	11.2	11.9	11.9	7.3	7.6	8.7	9.3
Reactor Coolant System Leakage	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum leakage	2.460	2.330	1.860	1.690	1.720	1.680	1.690	1.690	1.790	1.750	1.900	1.770
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	9.8	9.3	7.4	6.8	6.9	6.7	6.8	6.8	7.2	7.0	7.6	7.1

Licensee Comments: none

### Drill/Exercise Performance



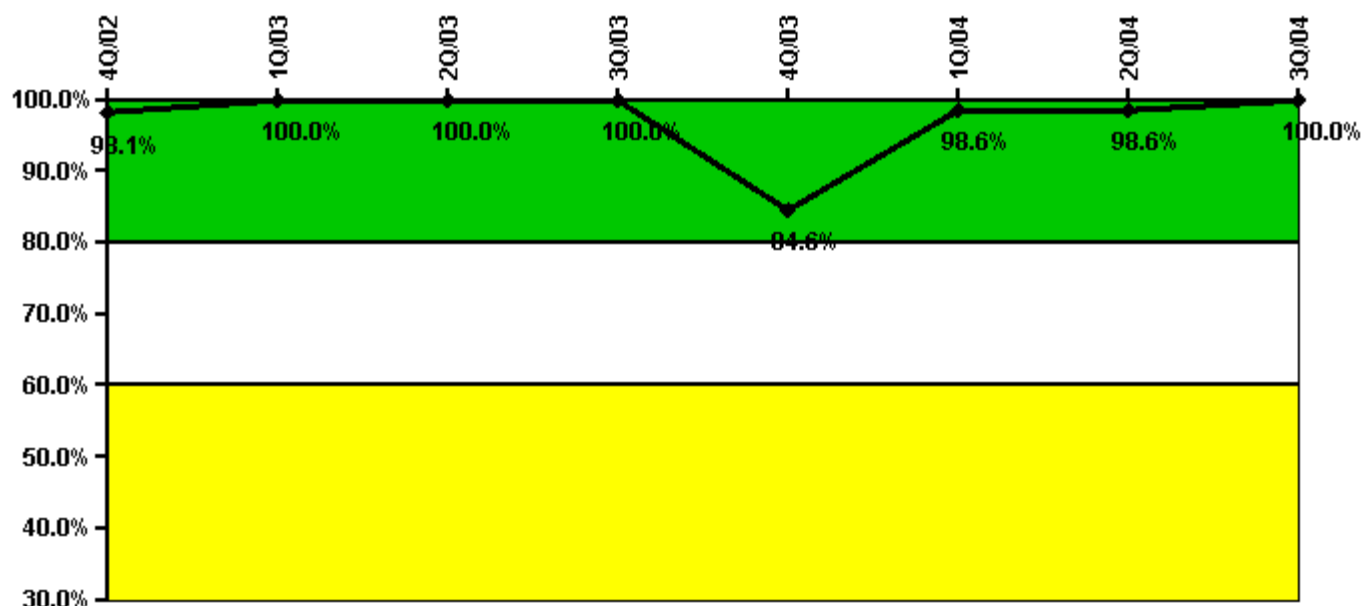
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful opportunities	30.0	41.0	48.0	2.0	42.0	20.0	67.0	25.0
Total opportunities	32.0	42.0	48.0	2.0	42.0	20.0	74.0	25.0
Indicator value	96.2%	96.4%	96.8%	97.8%	98.5%	98.6%	96.5%	96.5%

Licensee Comments: none

### ERO Drill Participation



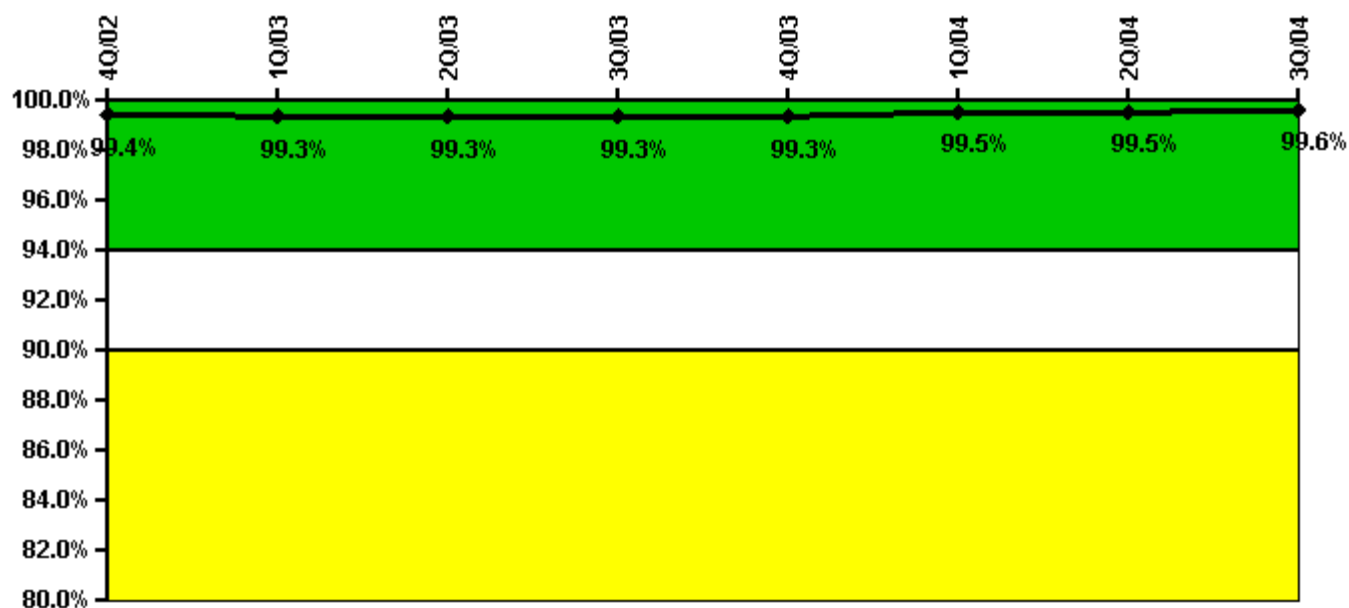
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Participating Key personnel	52.0	55.0	54.0	55.0	55.0	71.0	72.0	71.0
Total Key personnel	53.0	55.0	54.0	55.0	65.0	72.0	73.0	71.0
Indicator value	98.1%	100.0%	100.0%	100.0%	84.6%	98.6%	98.6%	100.0%

Licensee Comments: none

### Alert & Notification System



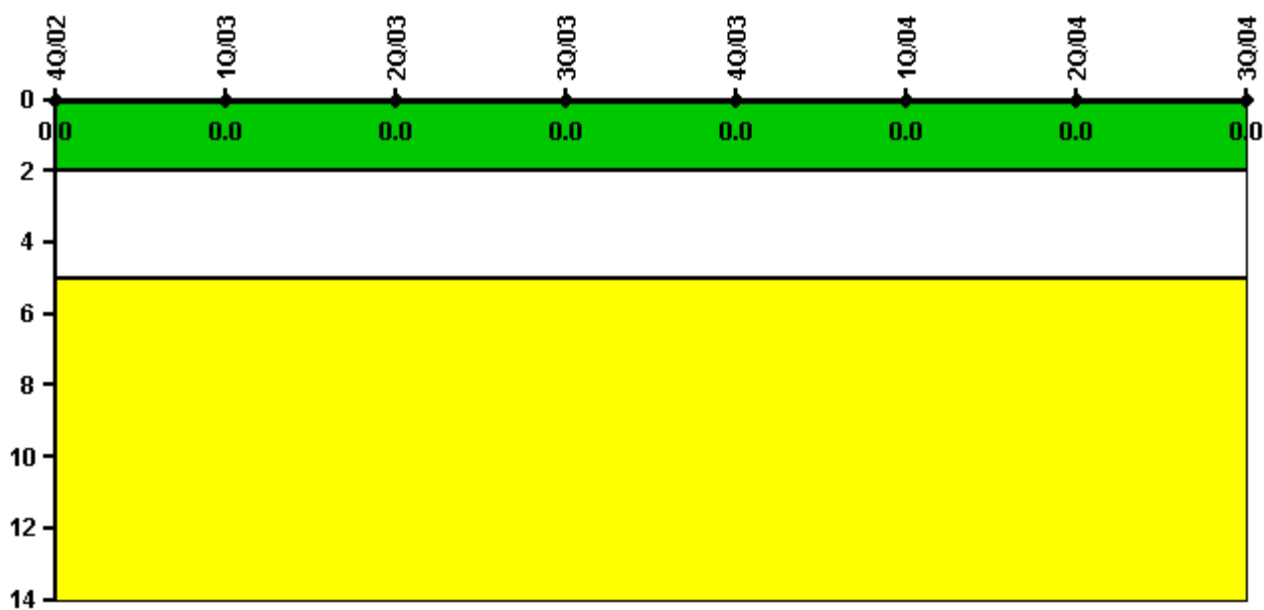
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful siren-tests	3306	3251	3309	3302	3311	3320	3314	3369
Total sirens-tests	3328	3276	3328	3328	3328	3328	3328	3380
Indicator value	99.4%	99.3%	99.3%	99.3%	99.3%	99.5%	99.5%	99.6%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
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
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

#### Notes

RETS/ODCM Radiological Effluent	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
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.

▲ [Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: October 25, 2004