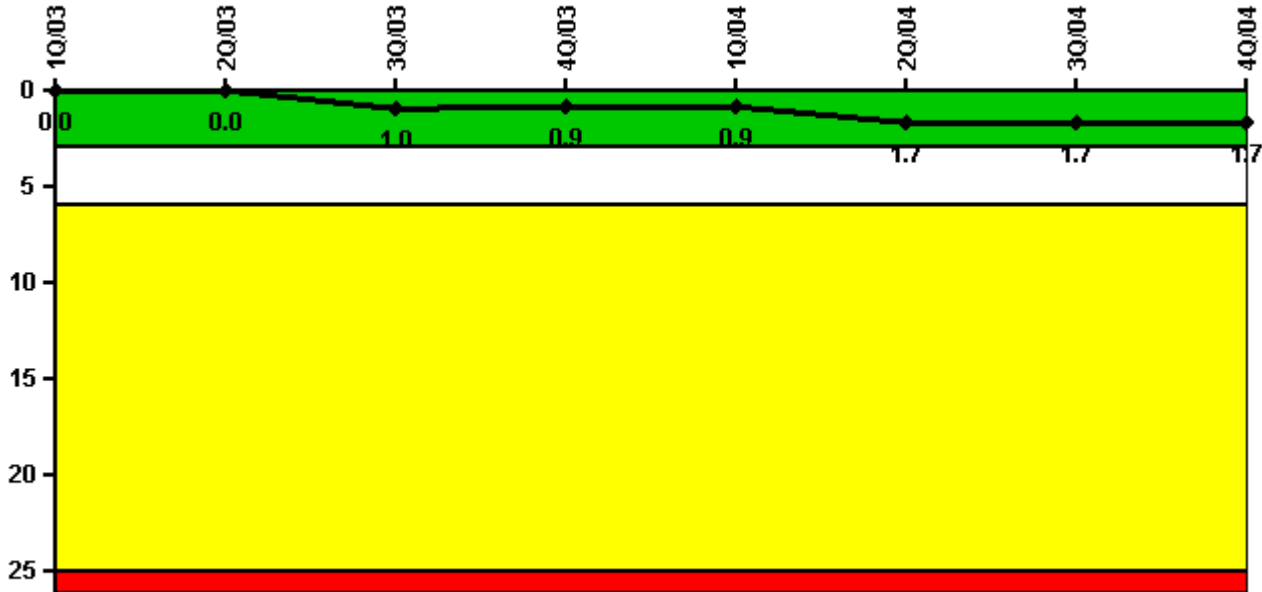


# Nine Mile Point 1

## 4Q/2004 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



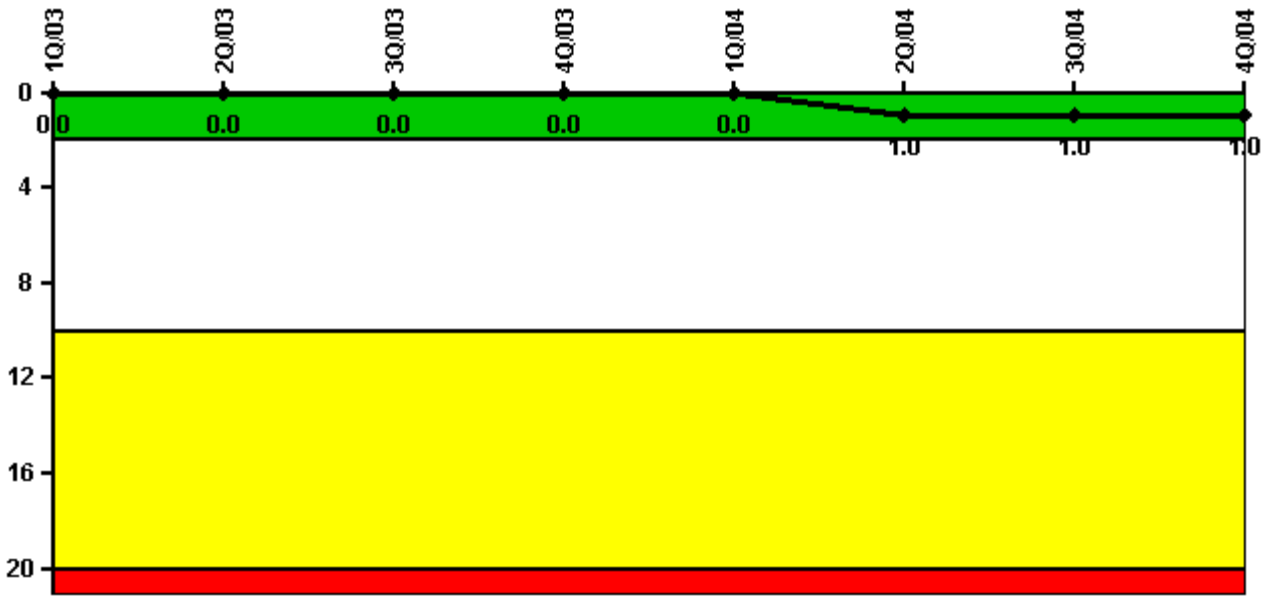
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned scrams	0	0	1.0	0	0	1.0	1.0	0
Critical hours	1621.3	1580.6	2133.9	2209.0	1951.6	2042.6	2128.1	2209.0
Indicator value	0	0	1.0	0.9	0.9	1.7	1.7	1.7

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



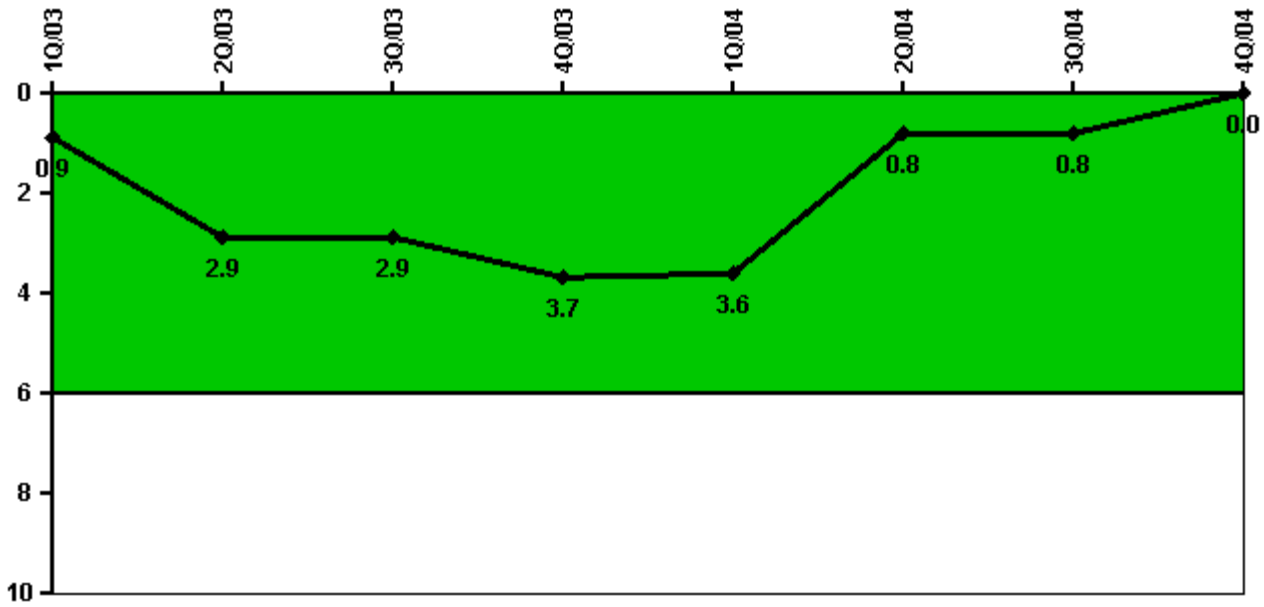
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

Scrams with Loss of Normal Heat Removal	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Scrams	0	0	0	0	0	1.0	0	0
Indicator value	0	0	0	0	0	1.0	1.0	1.0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



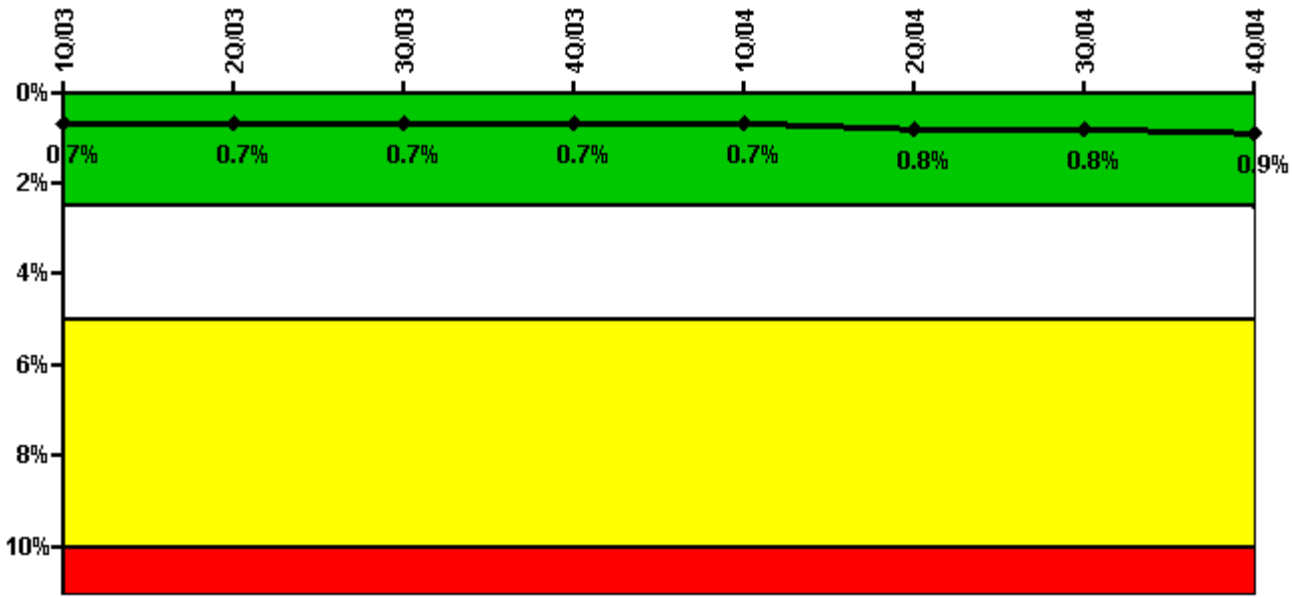
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned power changes	0	3.0	0	1.0	0	0	0	0
Critical hours	1621.3	1580.6	2133.9	2209.0	1951.6	2042.6	2128.1	2209.0
Indicator value	0.9	2.9	2.9	3.7	3.6	0.8	0.8	0

Licensee Comments: none

### Safety System Unavailability, Emergency AC Power



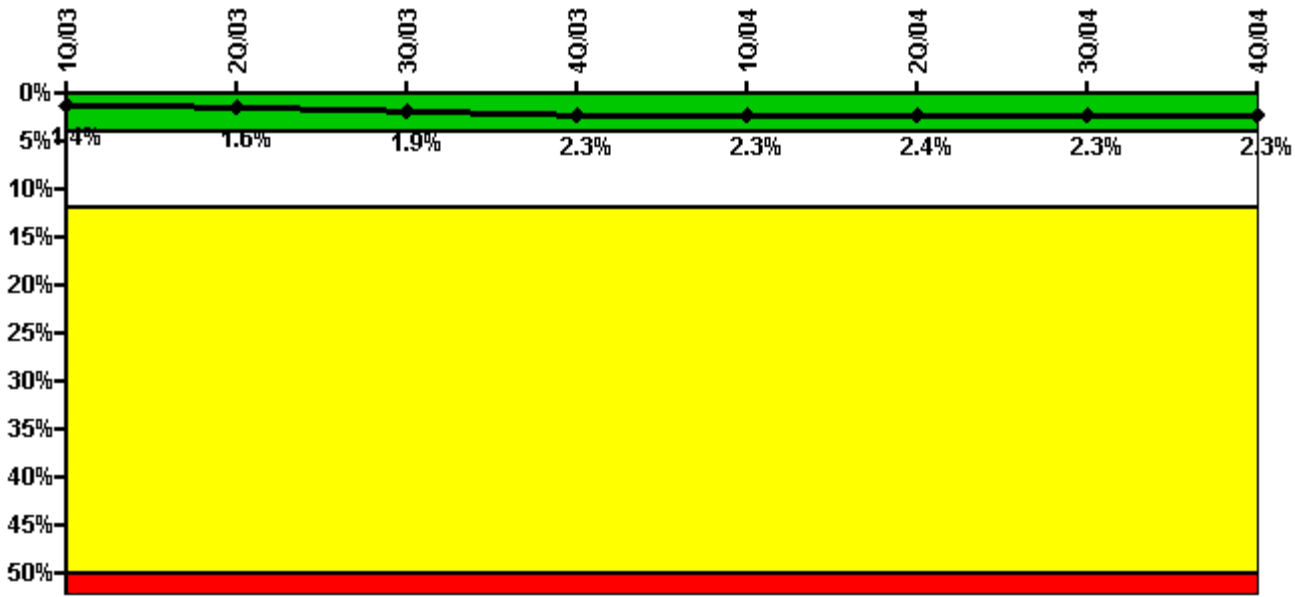
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, Emergency AC Power	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
<b>Train 1</b>								
Planned unavailable hours	12.44	2.09	1.95	5.15	2.42	45.68	3.46	46.13
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	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
<b>Train 2</b>								
Planned unavailable hours	3.36	62.70	3.75	15.50	1.48	16.23	27.64	43.33
Unplanned unavailable hours	0	0	0	3.62	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	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
<b>Indicator value</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.9%</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)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
<b>Train 1</b>								
Planned unavailable hours	44.49	19.00	10.62	139.39	11.26	10.26	5.27	26.37
Unplanned unavailable hours	0	24.67	6.94	51.07	0	34.35	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	1621.30	1580.63	2133.90	2209.00	1951.57	2042.64	2128.11	2209.00
<b>Train 2</b>								
Planned unavailable hours	1.93	64.59	101.25	63.25	34.76	317.52	0	0
Unplanned unavailable hours	0	20.85	6.94	1.52	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	1621.30	1580.63	2133.90	2209.00	1951.57	2042.64	2128.11	2209.00
<b>Indicator value</b>	<b>1.4%</b>	<b>1.6%</b>	<b>1.9%</b>	<b>2.3%</b>	<b>2.3%</b>	<b>2.4%</b>	<b>2.3%</b>	<b>2.3%</b>

Licensee Comments: none

## Safety System Unavailability, Heat Removal System

Thresholds  
under  
development /  
review

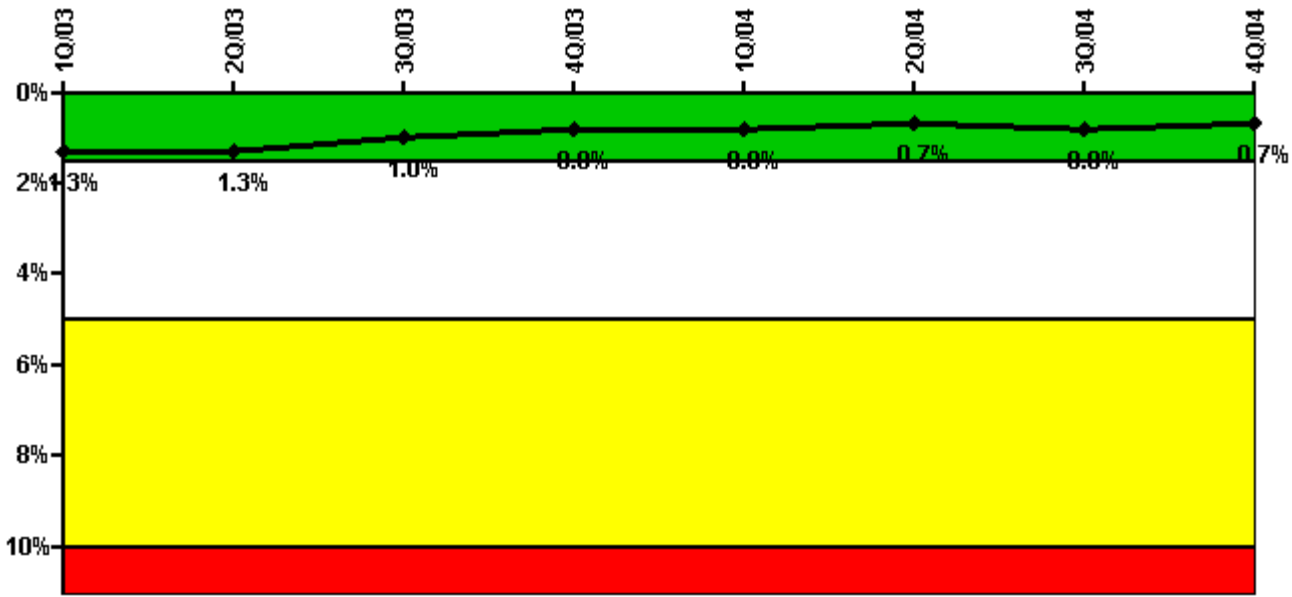
### Notes

Safety System Unavailability, Heat Removal System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
<b>Train 1</b>								
Planned unavailable hours								
Unplanned unavailable hours								
Fault exposure hours								
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours								
<b>Train 2</b>								
Planned unavailable hours								
Unplanned unavailable hours								
Fault exposure hours								
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours								
<b>Indicator value</b>								

Licensee Comments: none

---

### Safety System Unavailability, Residual Heat Removal System



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

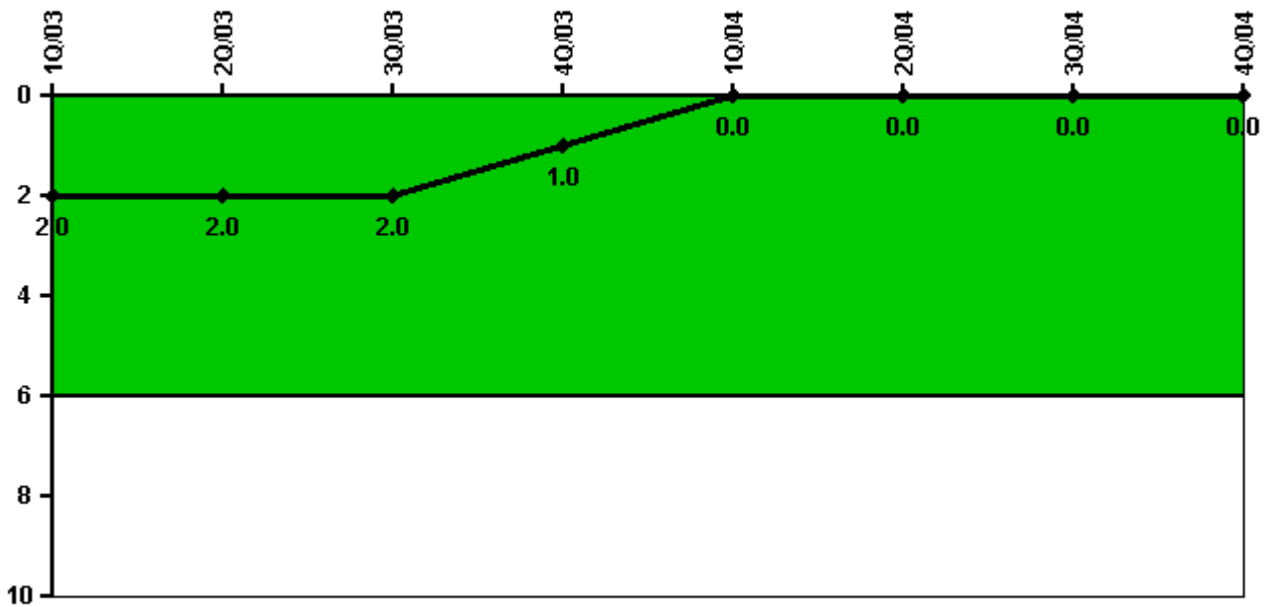
Notes

Safety System Unavailability, Residual Heat Removal System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
<b>Train 1</b>								
Planned unavailable hours	12.74	4.45	4.25	7.42	6.85	9.70	3.95	40.85
Unplanned unavailable hours	149.70	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	2160.00	2183.00	2133.90	2209.00	2184.00	2183.00	2208.00	2209.00
<b>Train 2</b>								
Planned unavailable hours	6.28	3.87	18.15	6.05	15.58	7.19	55.68	1.82
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	2160.00	2183.00	2133.90	2209.00	2184.00	2183.00	2208.00	2209.00
<b>Train 3</b>								
Planned unavailable hours	18.67	5.42	6.17	12.10	11.43	5.63	54.40	5.82
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	2160.00	2183.00	2133.90	2209.00	2184.00	2183.00	2208.00	2209.00
<b>Train 4</b>								
Planned unavailable hours	2.45	5.42	32.60	3.25	9.85	5.73	65.67	5.32
Unplanned unavailable hours	0	0	1.83	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	2160.00	2183.00	2133.90	2209.00	2184.00	2183.00	2208.00	2209.00
<b>Train 5</b>								
Planned unavailable hours	82.15	7.63	0	0	42.25	0	2.75	0
Unplanned unavailable hours	0	0	8.33	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	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
<b>Train 6</b>								
Planned unavailable hours	75.97	7.63	0	0	0	0	0.83	0
Unplanned unavailable hours	0	0	8.33	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	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
<b>Train 7</b>								
Planned unavailable hours	82.15	7.63	0	0	0	0	1.00	0
Unplanned unavailable hours	0	0	8.33	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	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
<b>Indicator value</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.0%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.7%</b>

Licensee Comments: none

### Safety System Functional Failures (BWR)



Thresholds: White > 6.0

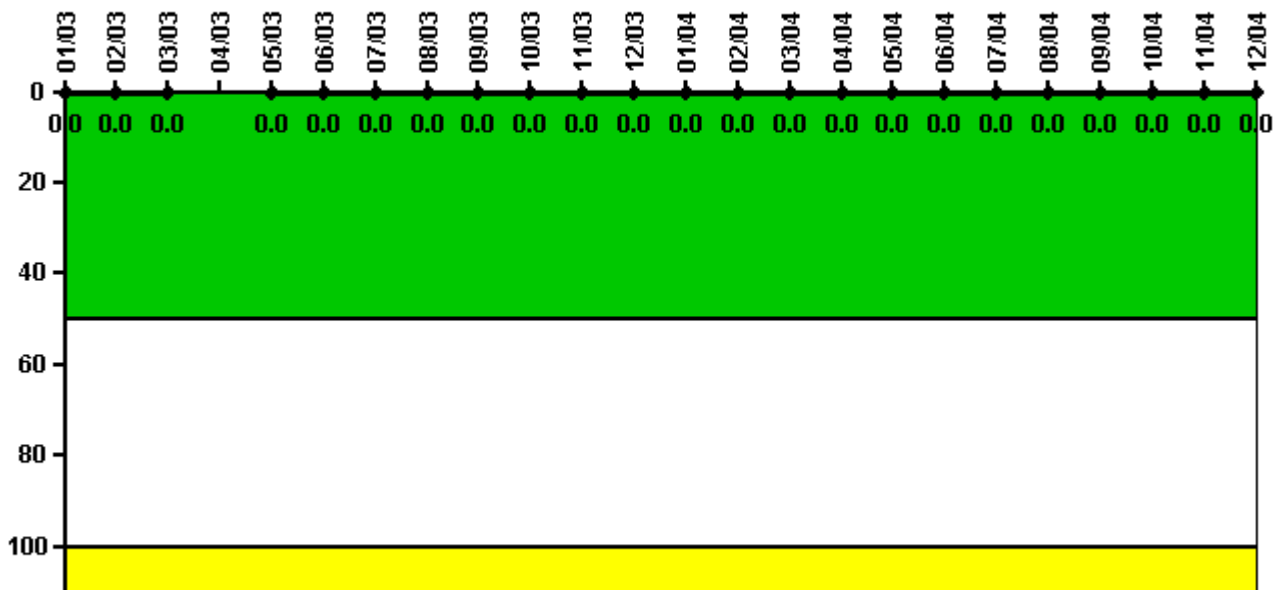
### Notes

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



Licensee Comments: none

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

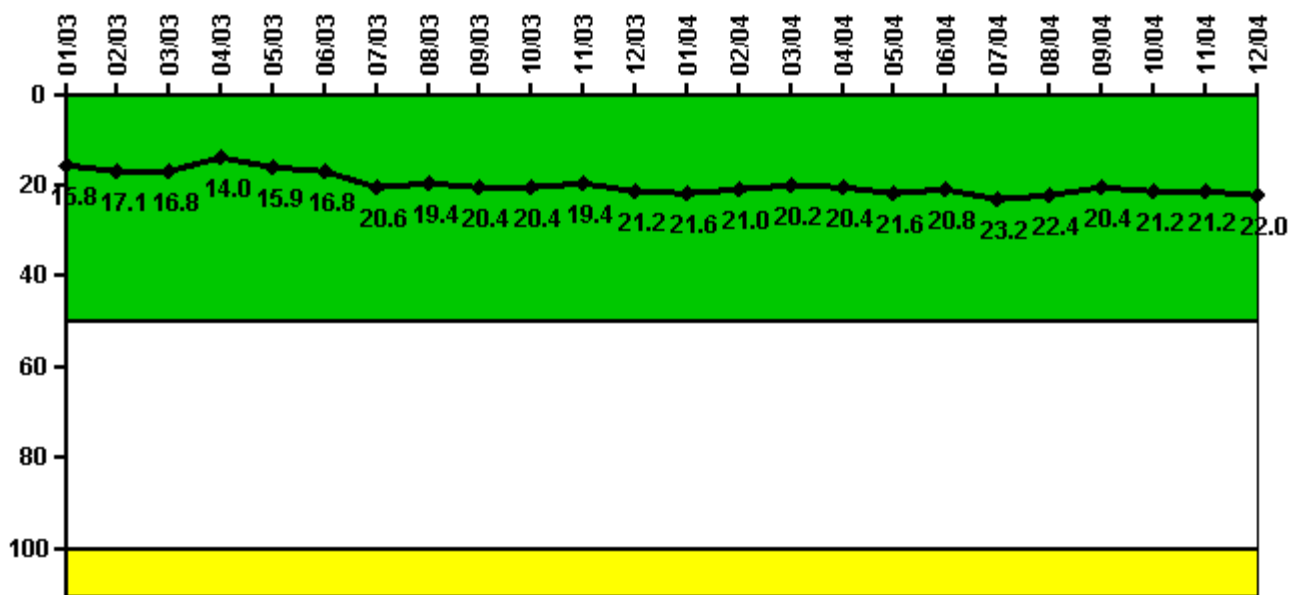
Reactor Coolant System Activity	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum activity	0.000026	0.000021	0.000017	N/A	0.000345	0.000238	0.000153	0.000138	0.000386	0.000093	0.000064	0.000071
Technical specification limit	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
Indicator value	0	0	0	N/A	0	0	0	0	0	0	0	0

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	0.000073	0.000155	0.000161	0.000154	0.000142	0.000076	0.000076	0.000108	0.000134	0.000097	0.000181	0.000170
Technical specification limit	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

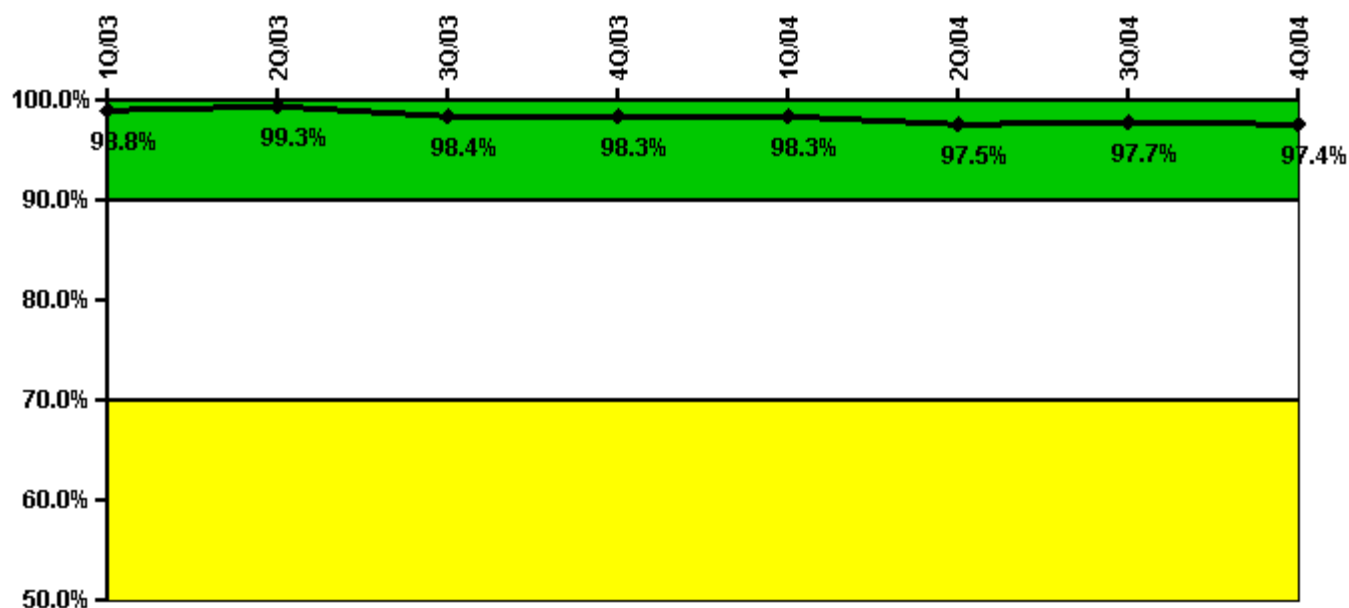
Reactor Coolant System Leakage	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum leakage	3.960	4.280	4.200	3.490	3.980	4.200	5.150	4.850	5.100	5.100	4.850	5.300
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	15.8	17.1	16.8	14.0	15.9	16.8	20.6	19.4	20.4	20.4	19.4	21.2

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	5.400	5.250	5.050	5.100	5.400	5.200	5.800	5.600	5.100	5.300	5.300	5.500
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	21.6	21.0	20.2	20.4	21.6	20.8	23.2	22.4	20.4	21.2	21.2	22.0

Licensee Comments: none

### Drill/Exercise Performance



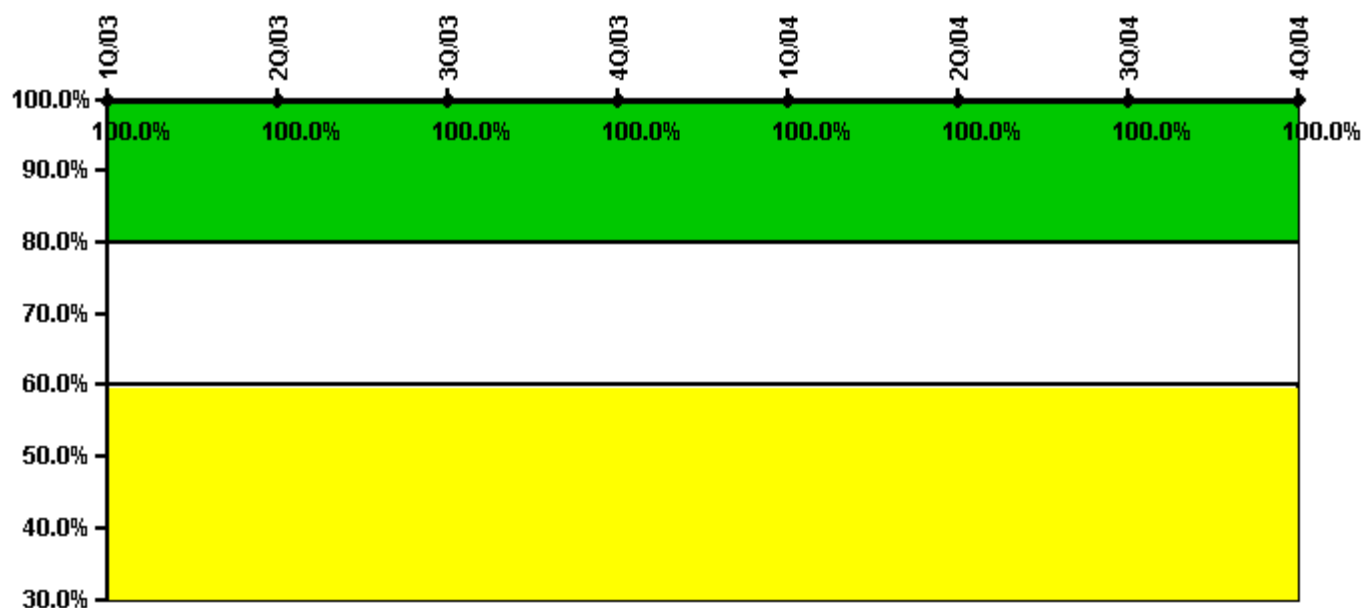
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful opportunities	4.0	104.0	132.0	19.0	9.0	61.0	85.0	6.0
Total opportunities	4.0	104.0	137.0	20.0	10.0	65.0	85.0	6.0
Indicator value	98.8%	99.3%	98.4%	98.3%	98.3%	97.5%	97.7%	97.4%

Licensee Comments: none

### ERO Drill Participation



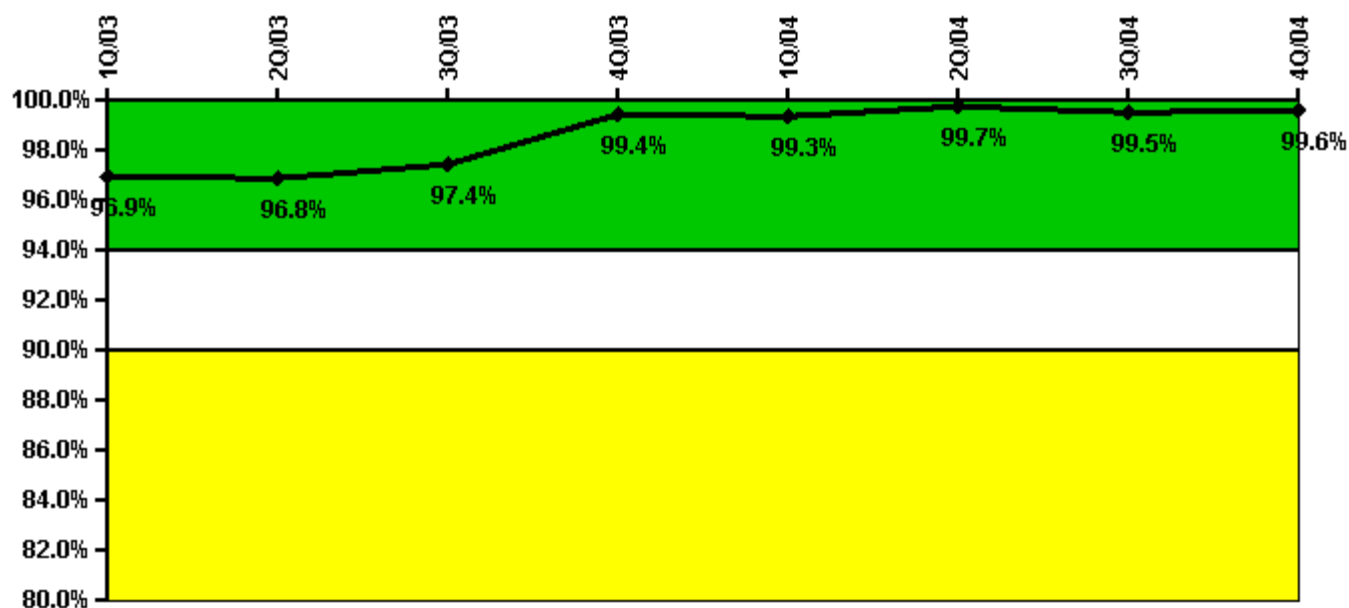
Thresholds: White < 80.0% Yellow < 60.0%

**Notes**

ERO Drill Participation	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Participating Key personnel	63.0	63.0	62.0	65.0	68.0	98.0	97.0	101.0
Total Key personnel	63.0	63.0	62.0	65.0	68.0	98.0	97.0	101.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

### Alert & Notification System



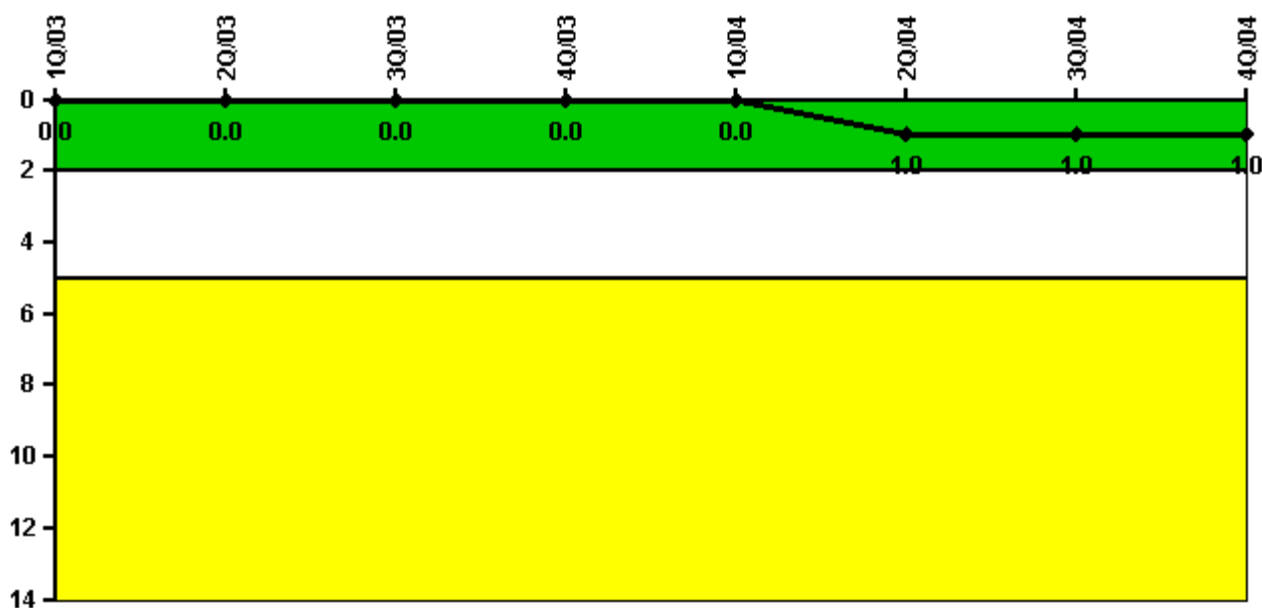
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful siren-tests	516	438	259	221	294	259	294	293
Total sirens-tests	518	444	259	222	296	259	296	294
Indicator value	96.9%	96.8%	97.4%	99.4%	99.3%	99.7%	99.5%	99.6%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
High radiation area occurrences	0	0	0	0	0	1	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>1</b>	<b>1</b>	<b>1</b>

Licensee Comments: none

### RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

#### Notes

RETS/ODCM Radiological Effluent	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/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: March 9, 2005