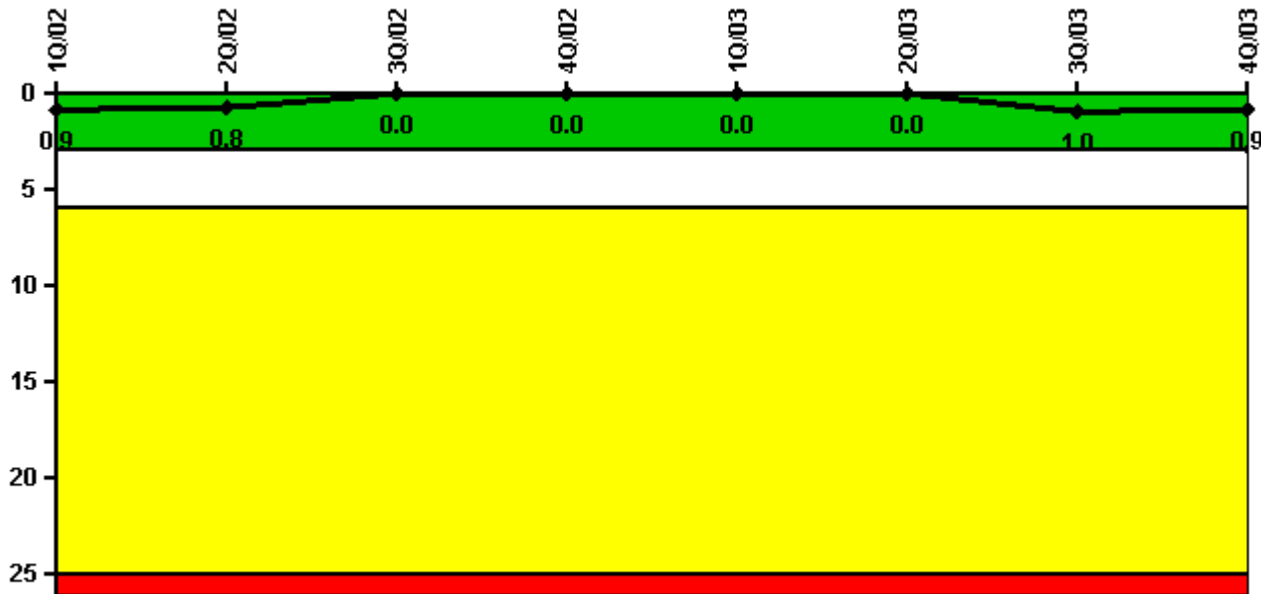


# Nine Mile Point 1

## 4Q/2003 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/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	2160.0	2112.7	2208.0	1784.0	1621.3	1580.6	2133.9	2209.0
Indicator value	0.9	0.8	0	0	0	0	1.0	0.9

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



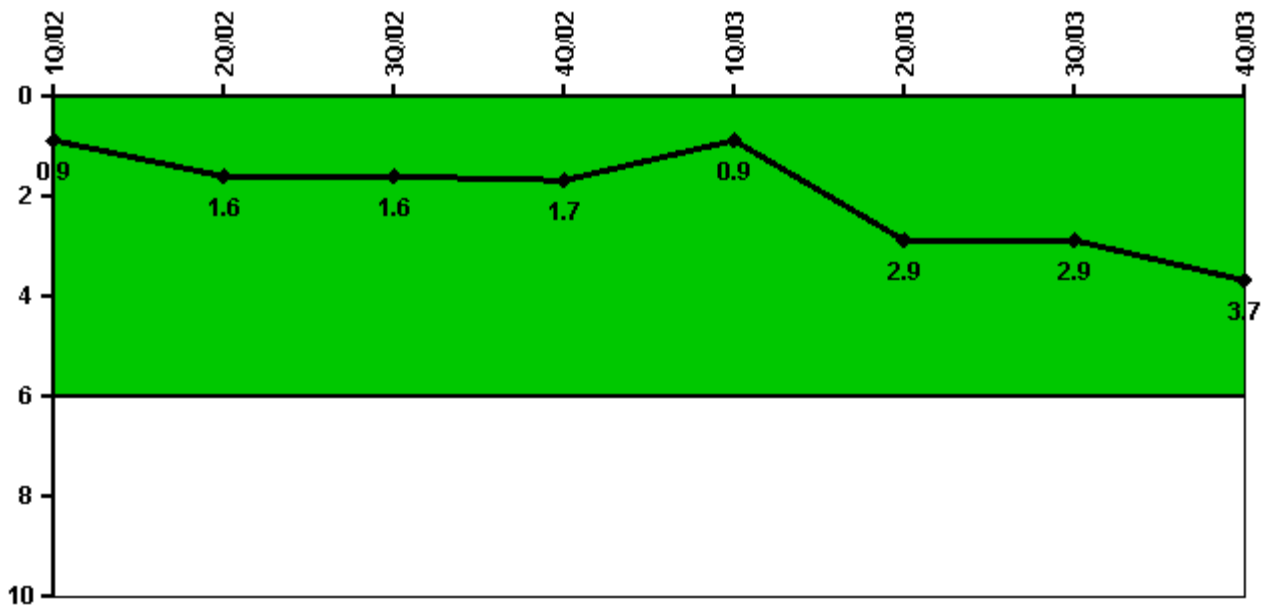
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

Scrams with Loss of Normal Heat Removal	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
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



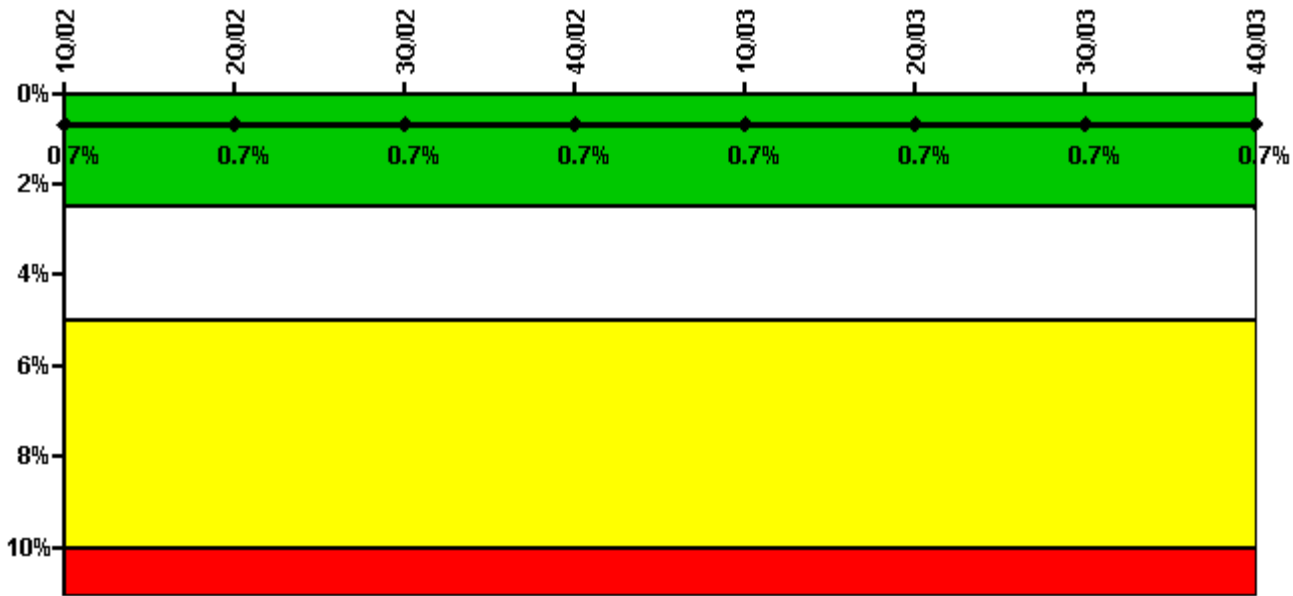
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Unplanned power changes	1.0	1.0	0	0	0	3.0	0	1.0
Critical hours	2160.0	2112.7	2208.0	1784.0	1621.3	1580.6	2133.9	2209.0
Indicator value	0.9	1.6	1.6	1.7	0.9	2.9	2.9	3.7

Licensee Comments: none

### Safety System Unavailability, Emergency AC Power



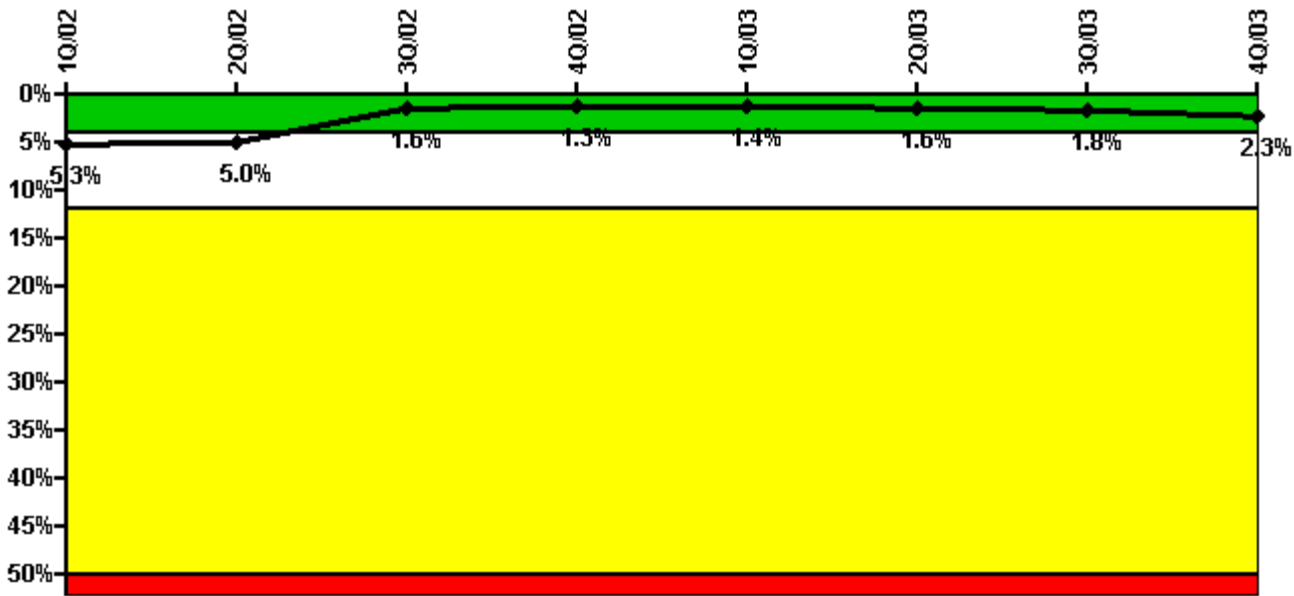
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

**Notes**

Safety System Unavailability, Emergency AC Power	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
<b>Train 1</b>								
Planned unavailable hours	57.18	1.84	37.07	20.06	12.44	2.09	1.95	5.15
Unplanned unavailable hours	14.83	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	2160.00	2183.00	2208.00	2209.00
<b>Train 2</b>								
Planned unavailable hours	20.26	2.24	25.20	1.58	3.36	62.70	3.75	15.50
Unplanned unavailable hours	0	0	0	0	0	0	0	3.62
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	2160.00	2183.00	2208.00	2209.00
Indicator value	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%

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/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
<b>Train 1</b>								
Planned unavailable hours	1.53	12.15	3.42	21.13	44.49	19.00	10.62	139.39
Unplanned unavailable hours	25.65	0	0	0	0	24.67	0.82	51.07
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	1616.54	0	0	0	0	0
Required hours	2160.00	2112.72	2208.00	1784.00	1621.30	1580.63	2133.90	2209.00
<b>Train 2</b>								
Planned unavailable hours	0	2.87	9.88	37.85	1.93	64.59	101.25	63.25
Unplanned unavailable hours	0	0	0	11.45	0	20.85	0.82	1.52
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	2112.72	2208.00	1784.00	1621.30	1580.63	2133.90	2209.00
Indicator value	5.3%	5.0%	1.6%	1.3%	1.4%	1.6%	1.8%	2.3%

Licensee Comments:

2Q/03: During May 2003, high pressure injection train 1 was assigned 171.58 hours of T/2 fault exposure, due to the as found position of the minimum flow valve. During June 2003 high pressure injection train 2 was assigned 15.45 hours of T/2 fault exposure, due to the as found position of the minimum flow valve. A historical review identified additional T/2 fault exposure that occurred in August 2001 due to the same cause. Train 1 #11 HPCI T/2 FE = 189.32 hours (overlaps with reported planned unavailability); Train 2 #12 HPCI T/2 FE = 208.88 hours.

**Safety System Unavailability, Heat Removal System**

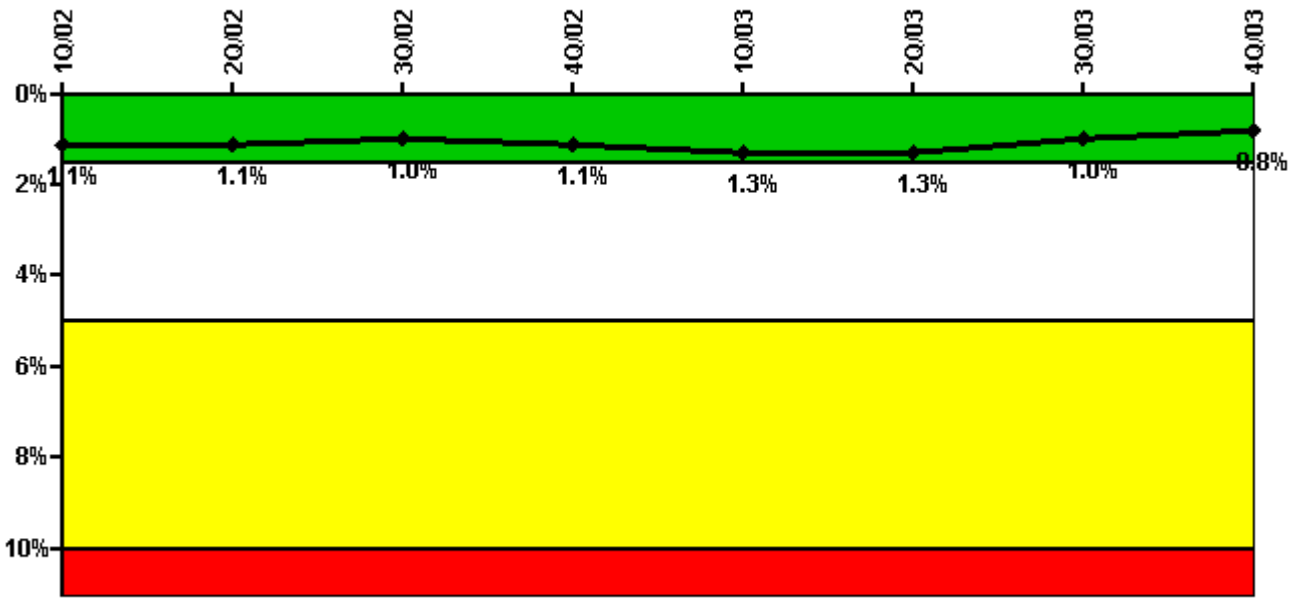
**Thresholds  
under  
development /  
review**

**Notes**

Safety System Unavailability, Heat Removal System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
<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

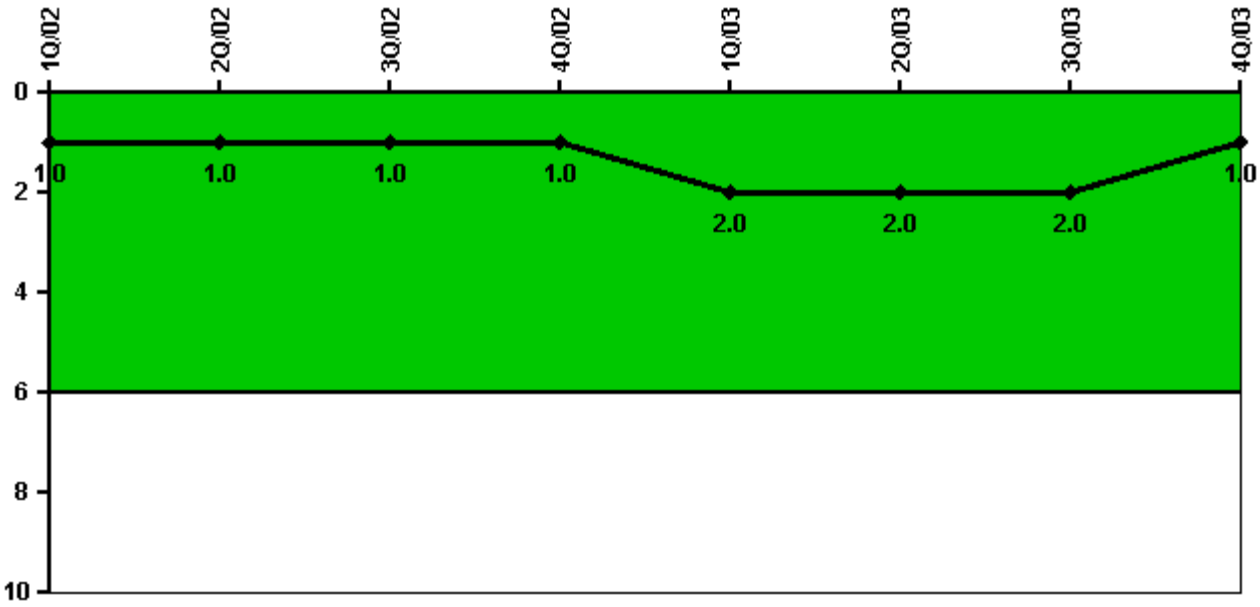
Safety System Unavailability, Residual Heat Removal System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
<b>Train 1</b>								
Planned unavailable hours	14.73	33.60	8.58	5.53	12.74	4.45	4.25	7.42
Unplanned unavailable hours	0	0	0	175.43	149.70	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2133.90	2209.00
<b>Train 2</b>								
Planned unavailable hours	2.87	2.02	12.67	6.72	6.28	3.87	18.15	6.05
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	2160.00	2183.00	2133.90	2209.00
<b>Train 3</b>								
Planned unavailable hours	3.67	3.73	4.00	12.93	18.67	5.42	6.17	12.10
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	2160.00	2183.00	2133.90	2209.00
<b>Train 4</b>								
Planned unavailable hours	27.80	3.38	6.31	3.68	2.45	5.42	32.60	3.25
Unplanned unavailable hours	0	0	0	0	0	0	1.83	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	2160.00	2183.00	2133.90	2209.00
<b>Train 5</b>								
Planned unavailable hours	17.02	0	15.03	0	82.15	7.63	0	0
Unplanned unavailable hours	0	13.37	0	0	0	0	8.33	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	2160.00	2183.00	2208.00	2209.00
<b>Train 6</b>								
Planned unavailable hours	1.33	9.33	15.03	0	75.97	7.63	0	0
Unplanned unavailable hours	0	0	0	0	0	0	8.33	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	2160.00	2183.00	2208.00	2209.00
<b>Train 7</b>								
Planned unavailable hours	13.12	0	15.03	0	82.15	7.63	0	0
Unplanned unavailable hours	0	0	0	0	0	0	8.33	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	2160.00	2183.00	2208.00	2209.00
<b>Indicator value</b>	<b>1.1%</b>	<b>1.1%</b>	<b>1.0%</b>	<b>1.1%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.0%</b>	<b>0.8%</b>

Licensee Comments: none



### Safety System Functional Failures (BWR)



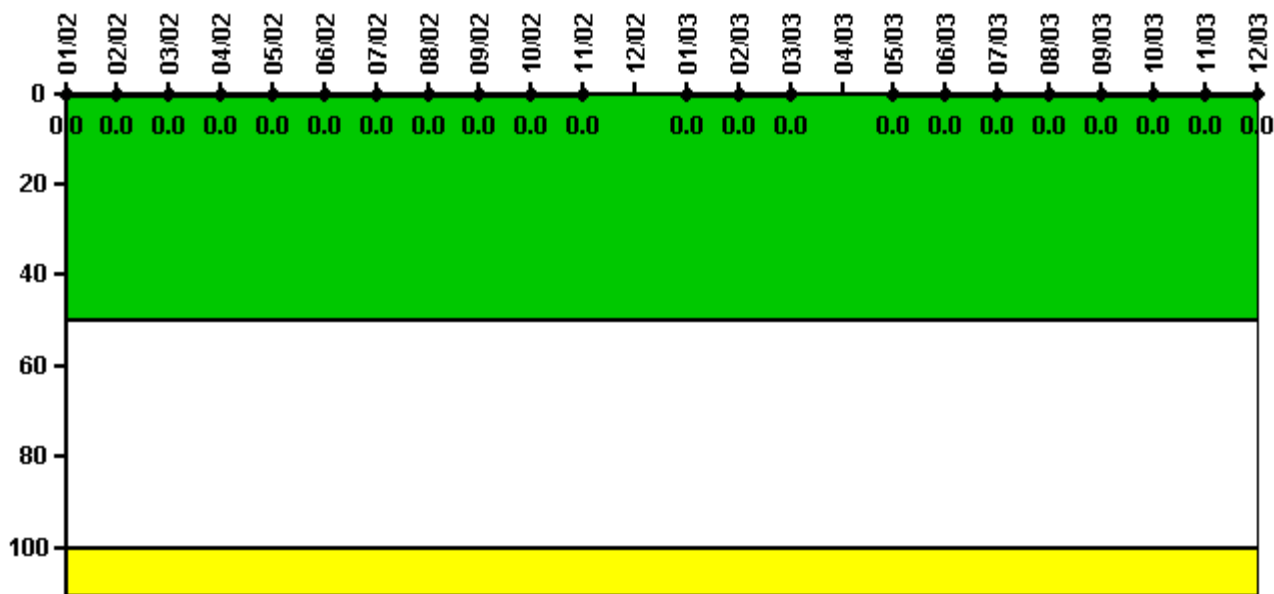
Thresholds: White > 6.0

#### Notes

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

Licensee Comments: none

### Reactor Coolant System Activity



**Thresholds: White > 50.0 Yellow > 100.0**

**Notes**

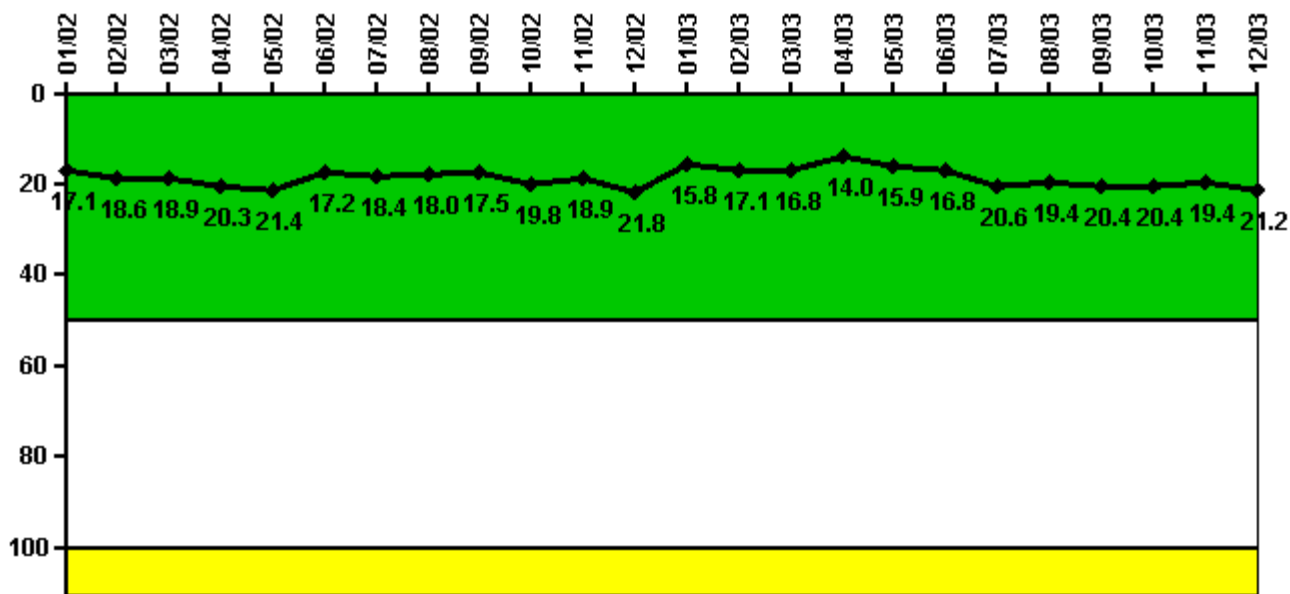
Reactor Coolant System Activity	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum activity	0.000355	0.000303	0.000230	0.000221	0.000571	0.000472	0.000188	0.000197	0.000196	0.000204	0.000140	N/A
Technical specification limit	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	N/A

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	0.000081	0.000093	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

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

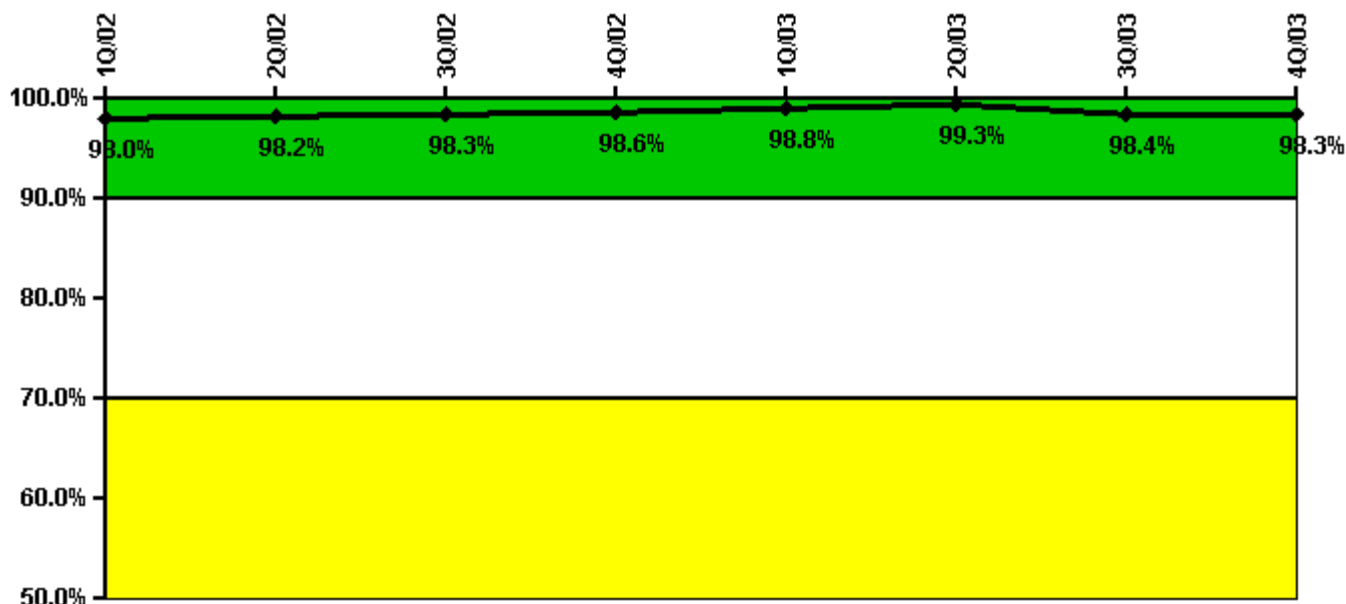
Reactor Coolant System Leakage	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum leakage	4.270	4.640	4.720	5.070	5.340	4.290	4.600	4.490	4.370	4.940	4.730	5.440
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	17.1	18.6	18.9	20.3	21.4	17.2	18.4	18.0	17.5	19.8	18.9	21.8

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

Licensee Comments: none

### Drill/Exercise Performance



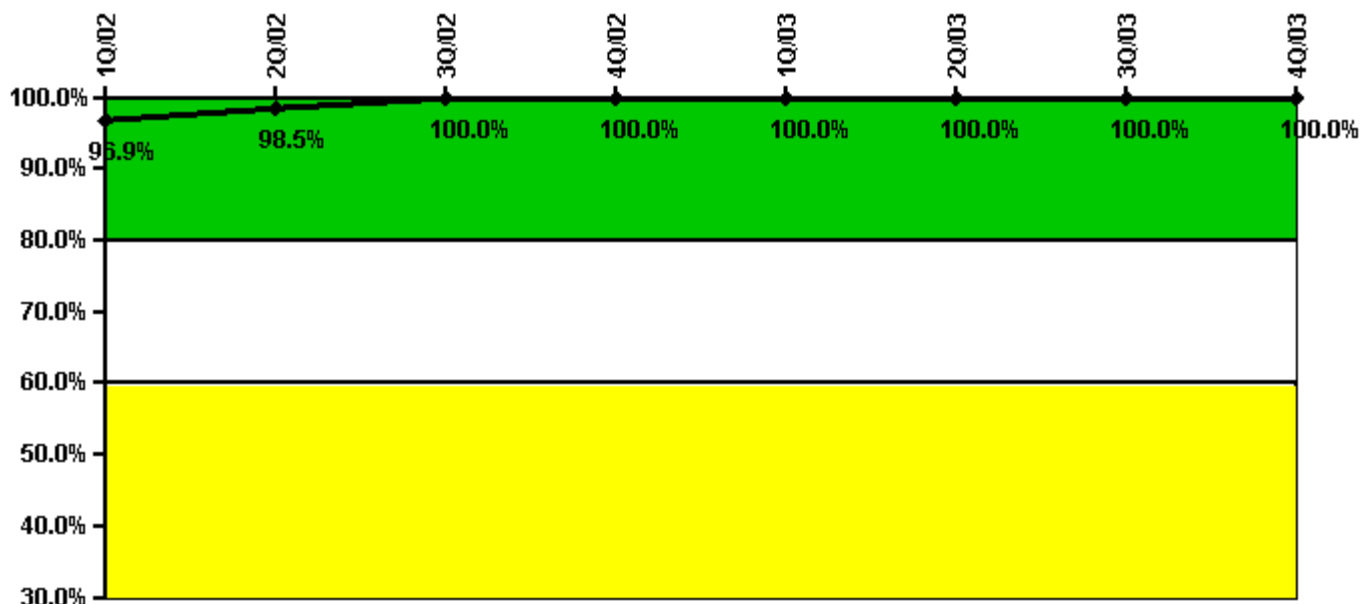
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful opportunities	17.0	87.0	42.0	62.0	4.0	104.0	132.0	19.0
Total opportunities	18.0	88.0	42.0	62.0	4.0	104.0	137.0	20.0
Indicator value	98.0%	98.2%	98.3%	98.6%	98.8%	99.3%	98.4%	98.3%

Licensee Comments: none

### ERO Drill Participation



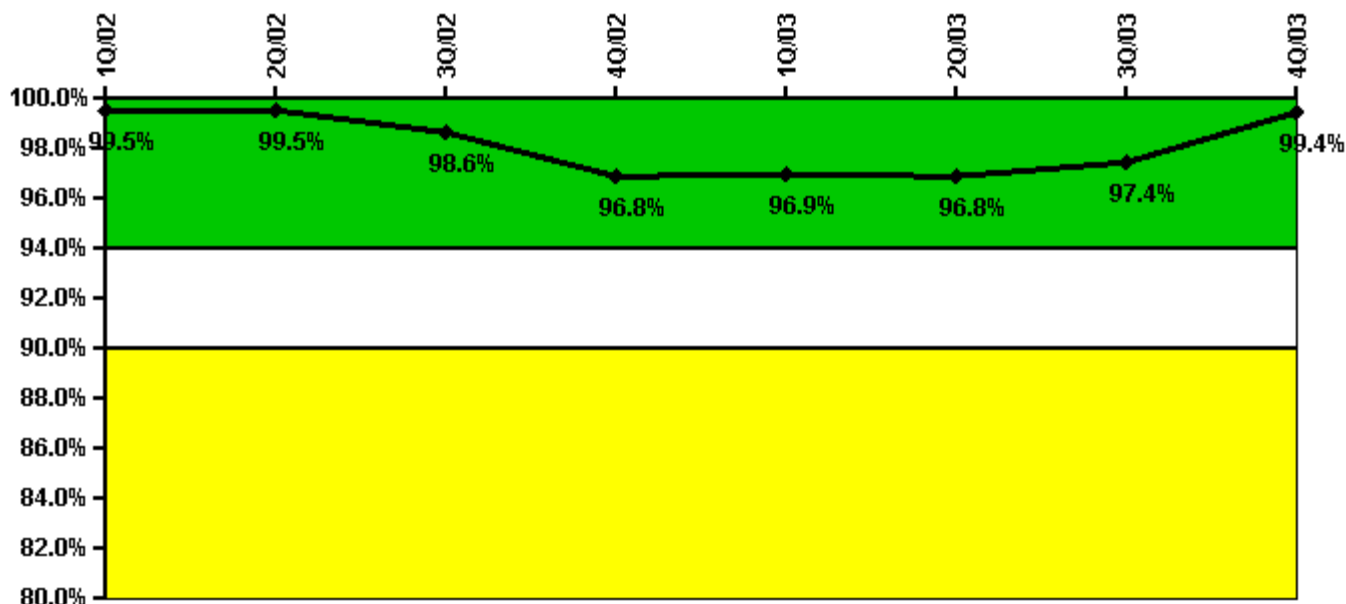
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Participating Key personnel	63.0	66.0	68.0	68.0	63.0	63.0	62.0	65.0
Total Key personnel	65.0	67.0	68.0	68.0	63.0	63.0	62.0	65.0
Indicator value	96.9%	98.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

### Alert & Notification System



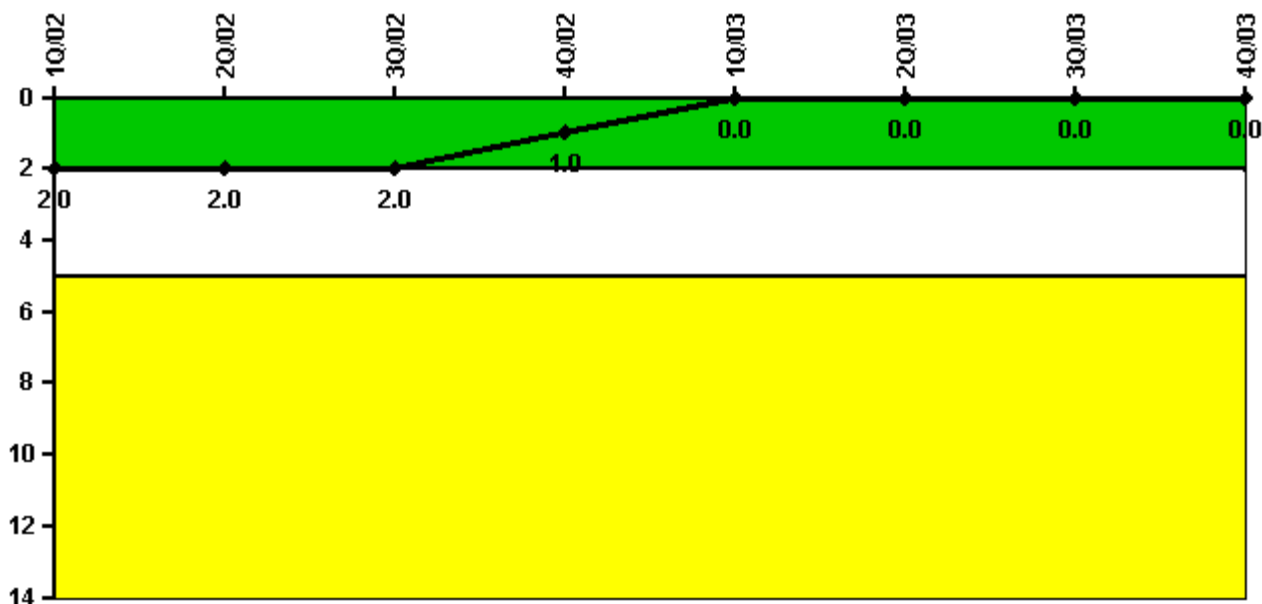
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful siren-tests	515	512	570	517	516	438	259	221
Total sirens-tests	518	518	592	555	518	444	259	222
Indicator value	99.5%	99.5%	98.6%	96.8%	96.9%	96.8%	97.4%	99.4%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
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	1	0	0	0	0	0	0	0
Indicator value	2	2	2	1	0	0	0	0

Licensee Comments: none

### RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

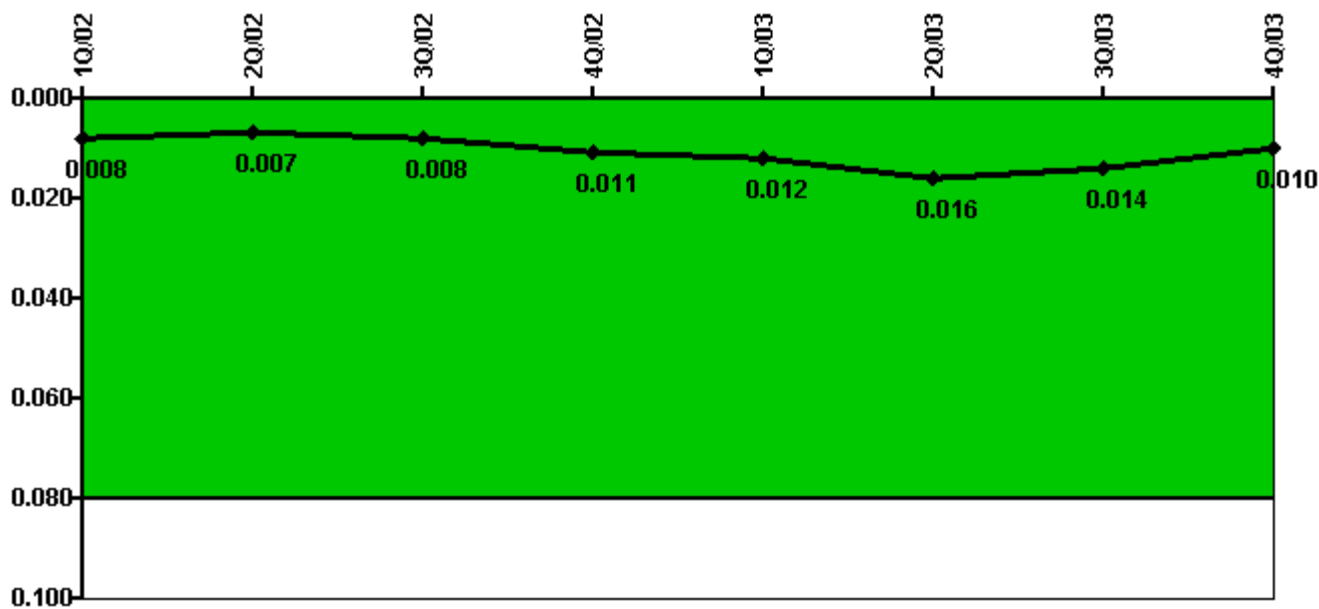
#### Notes

RETS/ODCM Radiological Effluent	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none



### Protected Area Security Performance Index



Thresholds: White > 0.080

#### Notes

Protected Area Security Performance Index	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
IDS compensatory hours	43.40	96.30	60.40	132.80	79.60	200.80	16.60	13.06
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Index Value	0.008	0.007	0.008	0.011	0.012	0.016	0.014	0.010

Licensee Comments: none

### Personnel Screening Program



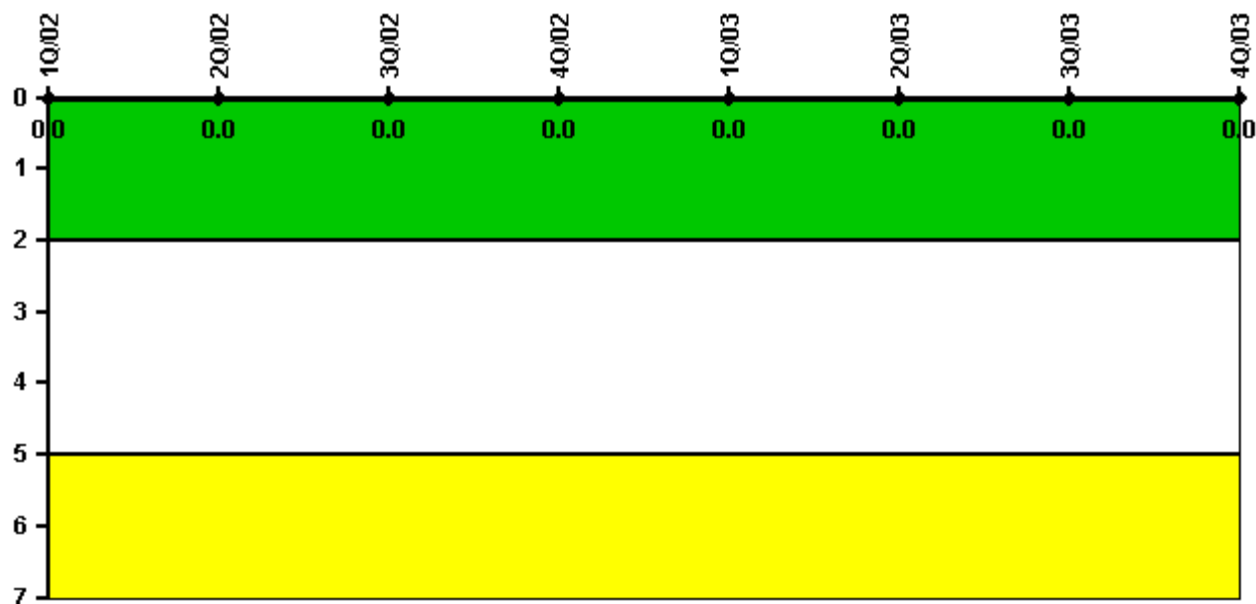
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Personnel Screening Program	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Program failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

### FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

FFD/Personnel Reliability	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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

Last Modified: January 23, 2004