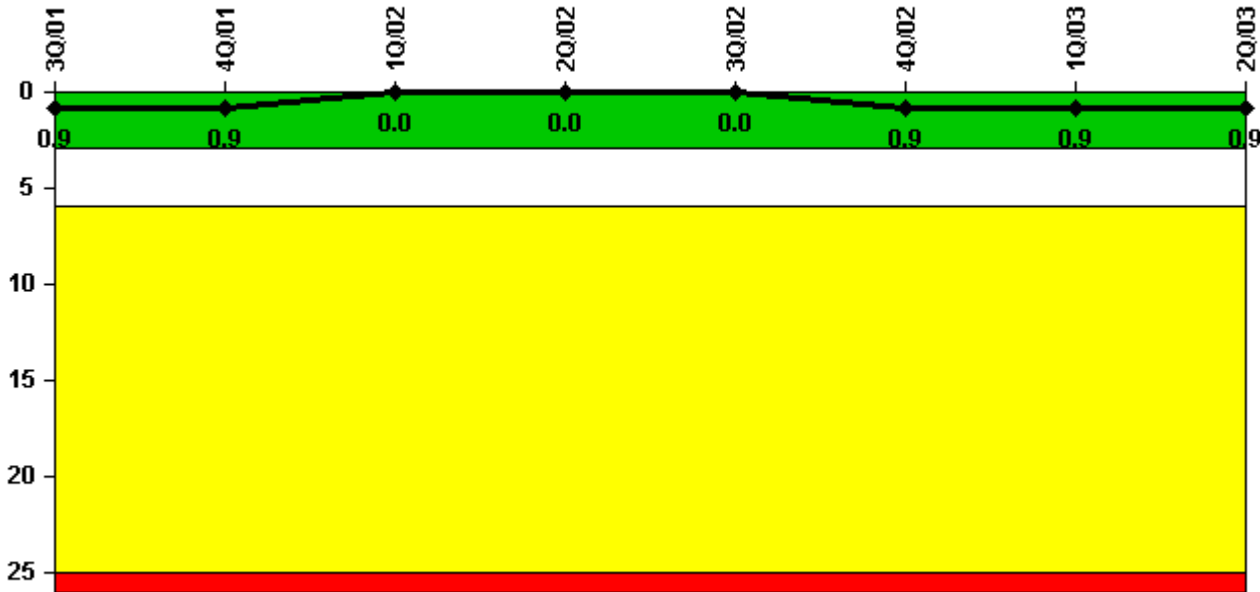


# Callaway

## 2Q/2003 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



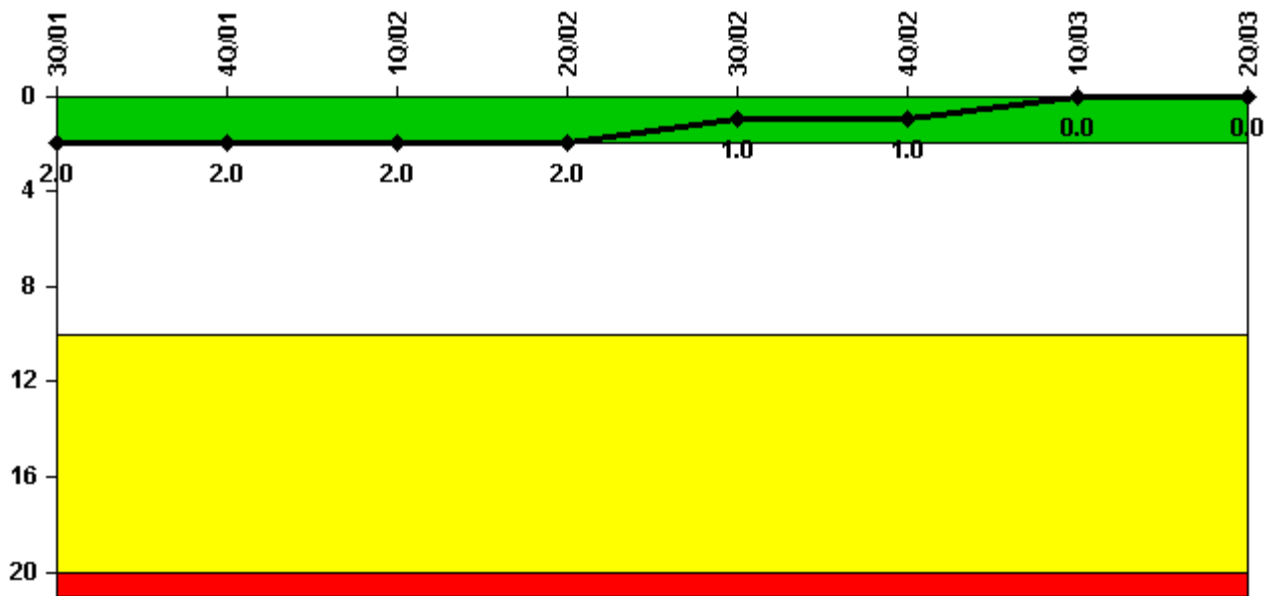
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2208.0	2132.0	1840.0	2183.0	2208.0	1323.0	1929.0	2148.5
Indicator value	0.9	0.9	0	0	0	0.9	0.9	0.9

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



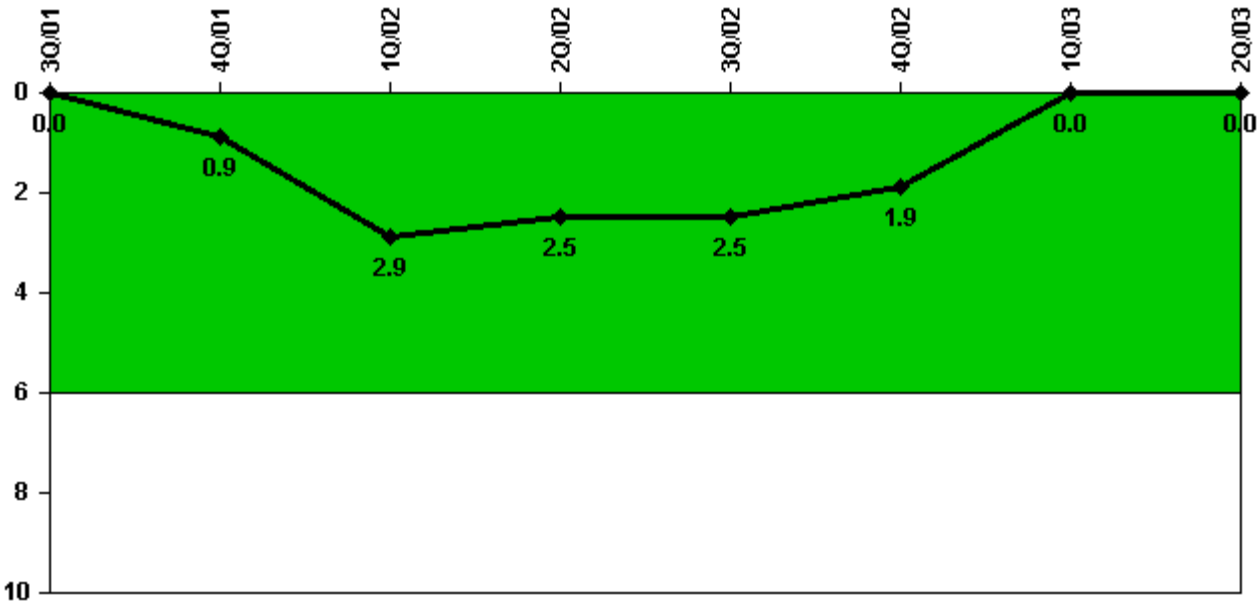
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

Scrams with Loss of Normal Heat Removal	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Scrams	0	0	0	0	0	0	0	0
Indicator value	2.0	2.0	2.0	2.0	1.0	1.0	0	0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



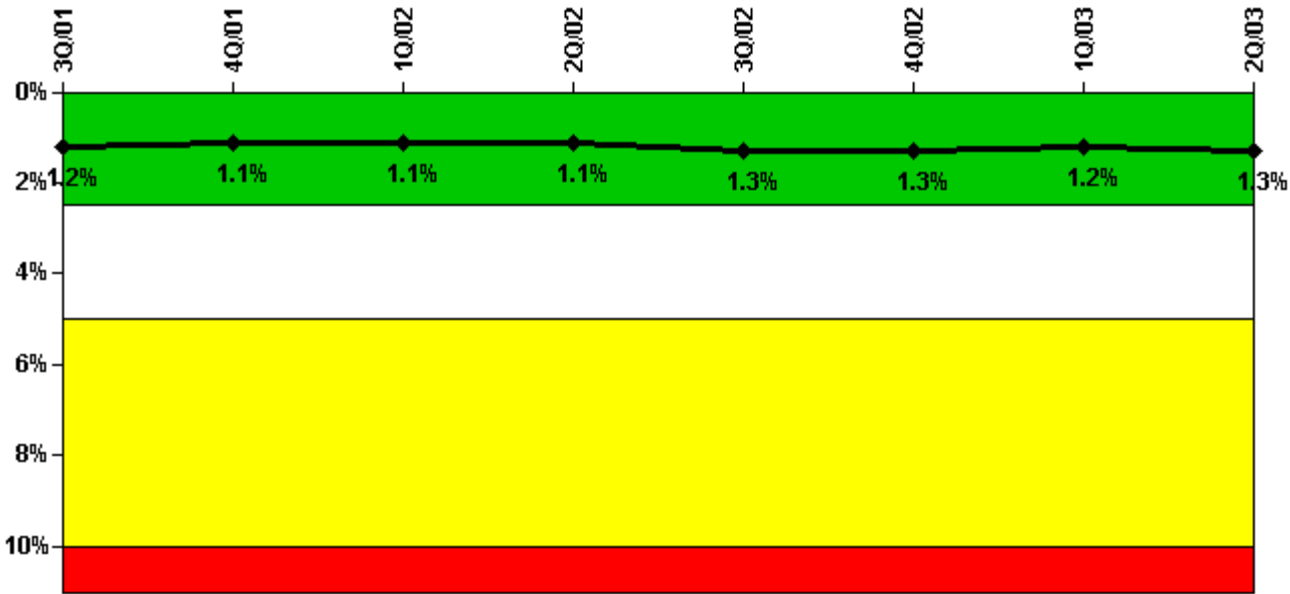
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Unplanned power changes	0	1.0	2.0	0	0	0	0	0
Critical hours	2208.0	2132.0	1840.0	2183.0	2208.0	1323.0	1929.0	2148.5
Indicator value	0	0.9	2.9	2.5	2.5	1.9	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	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
<b>Train 1</b>								
Planned unavailable hours	28.00	2.20	21.10	6.70	43.30	56.00	4.50	3.60
Unplanned unavailable hours	0	2.40	0	0	8.20	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	2208.00	2208.00	1849.40	2184.00	2208.00	1521.20	1970.40	2184.00
<b>Train 2</b>								
Planned unavailable hours	34.10	3.40	37.00	12.80	32.80	9.10	2.80	38.10
Unplanned unavailable hours	0	0	0	0.10	0	0	11.90	18.10
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	1849.40	2184.00	2208.00	1521.20	1970.40	2184.00
Indicator value	1.2%	1.1%	1.1%	1.1%	1.3%	1.3%	1.2%	1.3%

Licensee Comments:

4Q/02: A re-evaluation of surveillance tasks occurring between May 2001 and February 2003 has resulted in identification of additional Planned Unavailability time for the Emergency AC Power System. The cumulative change in unavailability does not affect the color of the performance indicator for this system. This issue has been entered into the licensee's corrective action program.

3Q/02: A re-evaluation of surveillance tasks occurring between May 2001 and February 2003 has resulted in identification of additional Planned Unavailability time for the Emergency AC Power System. The cumulative change in unavailability does not affect the color of the performance indicator for this system. This issue has been

entered into the licensee's corrective action program.

2Q/02: A re-evaluation of surveillance tasks occurring between May 2001 and February 2003 has resulted in identification of additional Planned Unavailability time for the Emergency AC Power System. The cumulative change in unavailability does not affect the color of the performance indicator for this system. This issue has been entered into the licensee's corrective action program.

1Q/02: A re-evaluation of surveillance tasks occurring between May 2001 and February 2003 has resulted in identification of additional Planned Unavailability time for the Emergency AC Power System. The cumulative change in unavailability does not affect the color of the performance indicator for this system. This issue has been entered into the licensee's corrective action program.

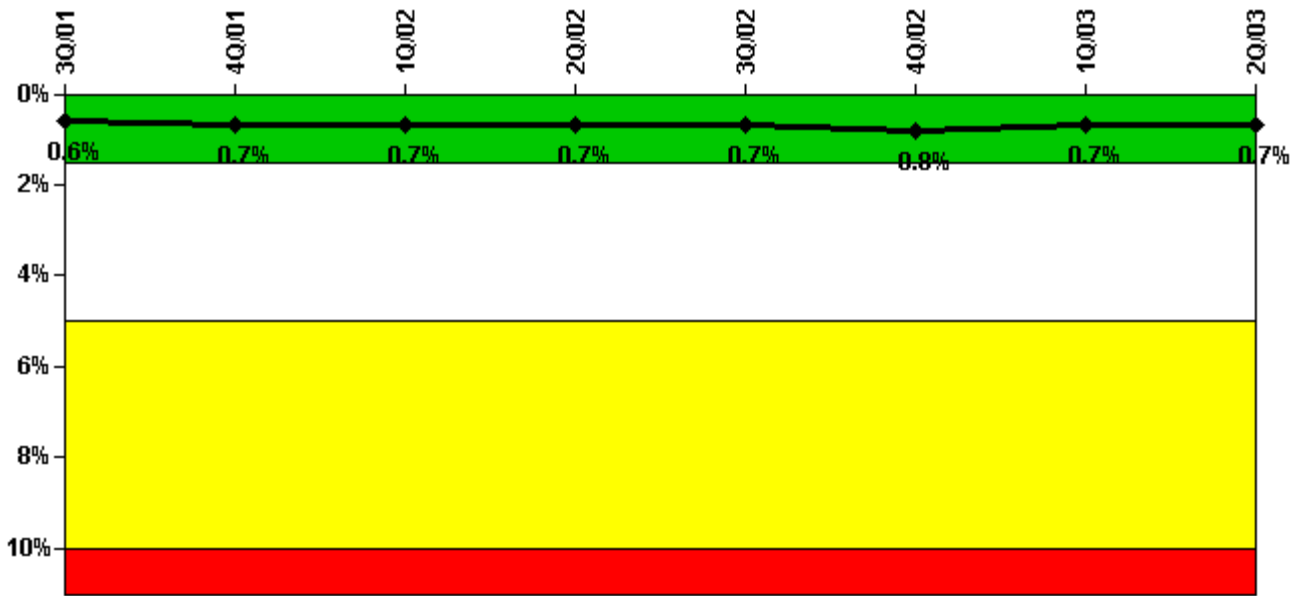
4Q/01: A re-evaluation of surveillance tasks occurring between May 2001 and February 2003 has resulted in identification of additional Planned Unavailability time for the Emergency AC Power System. The cumulative change in unavailability does not affect the color of the performance indicator for this system. This issue has been entered into the licensee's corrective action program.

3Q/01: A re-evaluation of surveillance tasks occurring between May 2001 and February 2003 has resulted in identification of additional Planned Unavailability time for the Emergency AC Power System. The cumulative change in unavailability does not affect the color of the performance indicator for this system. This issue has been entered into the licensee's corrective action program.

2Q/01: A re-evaluation of surveillance tasks occurring between May 2001 and February 2003 has resulted in identification of additional Planned Unavailability time for the Emergency AC Power System. The cumulative change in unavailability does not affect the color of the performance indicator for this system. This issue has been entered into the licensee's corrective action program.

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### 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)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
<b>Train 1</b>								
Planned unavailable hours	29.40	7.80	6.10	21.30	4.30	3.10	2.30	26.00
Unplanned unavailable hours	0	0	0	0	0.60	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	2208.00	2208.00	1849.40	2184.00	2208.00	1491.50	1941.00	2174.80
<b>Train 2</b>								
Planned unavailable hours	7.90	2.90	35.10	4.10	2.40	5.20	17.90	74.70
Unplanned unavailable hours	0	4.30	0	0	9.60	1.10	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	2208.00	2208.00	1849.40	2184.00	2208.00	1491.50	1941.00	2174.80
<b>Train 3</b>								
Planned unavailable hours	14.30	20.70	4.10	19.00	26.20	2.10	3.00	3.40
Unplanned unavailable hours	0	0	0	0	0.60	0	3.30	1.10
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	1849.40	2184.00	2208.00	1491.50	1941.00	2174.80
<b>Train 4</b>								
Planned unavailable hours	9.70	21.00	21.10	3.80	2.50	17.00	15.50	19.30
Unplanned unavailable hours	0	4.30	0	0	9.60	1.10	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	2208.00	2208.00	1849.40	2184.00	2208.00	1491.50	1941.00	2174.80
Indicator value	0.6%	0.7%	0.7%	0.7%	0.7%	0.8%	0.7%	0.7%

## Licensee Comments:

1Q/03: A re-evaluation of surveillance tasks occurring between May 2001 and February 2003 has resulted in identification of additional Planned Unavailability time for the High Pressure Injection System. The cumulative change in unavailability does not affect the color of the performance indicator for this system. This issue has been entered into the licensee's corrective action program.

4Q/02: A re-evaluation of surveillance tasks occurring between May 2001 and February 2003 has resulted in identification of additional Planned Unavailability time for the High Pressure Injection System. The cumulative change in unavailability does not affect the color of the performance indicator for this system. This issue has been entered into the licensee's corrective action program.

3Q/02: A re-evaluation of surveillance tasks occurring between May 2001 and February 2003 has resulted in identification of additional Planned Unavailability time for the High Pressure Injection System. The cumulative change in unavailability does not affect the color of the performance indicator for this system. This issue has been entered into the licensee's corrective action program.

2Q/02: A re-evaluation of surveillance tasks occurring between May 2001 and February 2003 has resulted in identification of additional Planned Unavailability time for the High Pressure Injection System. The cumulative change in unavailability does not affect the color of the performance indicator for this system. This issue has been entered into the licensee's corrective action program.

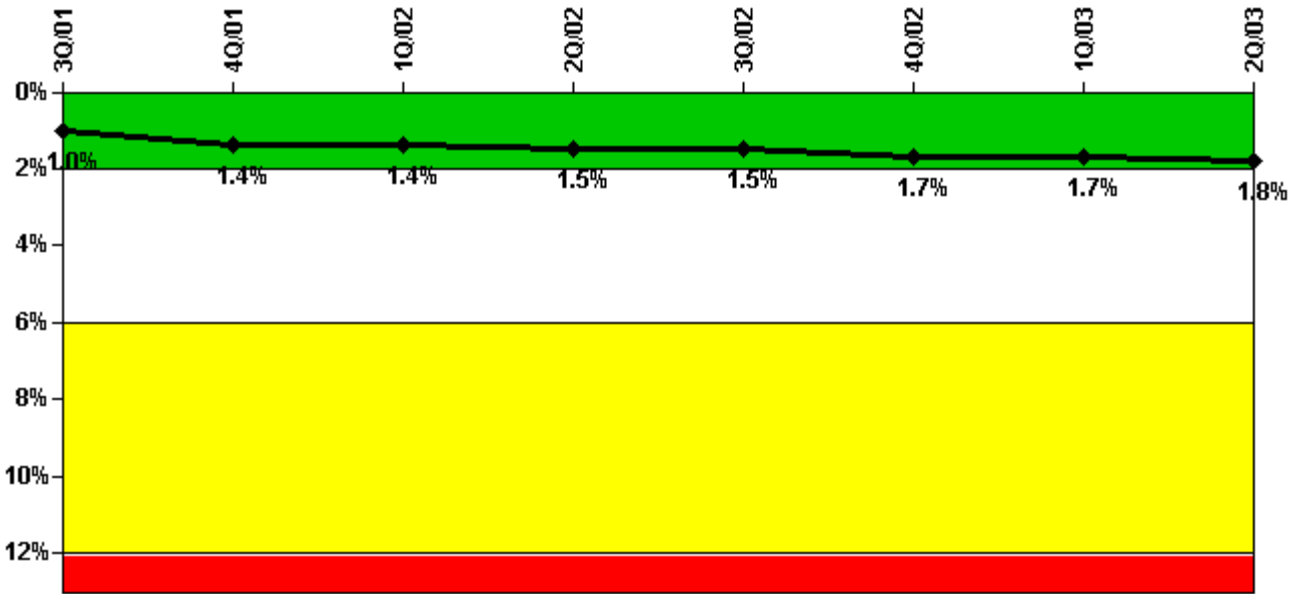
1Q/02: A re-evaluation of surveillance tasks occurring between May 2001 and February 2003 has resulted in identification of additional Planned Unavailability time for the High Pressure Injection System. The cumulative change in unavailability does not affect the color of the performance indicator for this system. This issue has been entered into the licensee's corrective action program.

4Q/01: A re-evaluation of surveillance tasks occurring between May 2001 and February 2003 has resulted in identification of additional Planned Unavailability time for the High Pressure Injection System. The cumulative change in unavailability does not affect the color of the performance indicator for this system. This issue has been entered into the licensee's corrective action program.

3Q/01: A re-evaluation of surveillance tasks occurring between May 2001 and February 2003 has resulted in identification of additional Planned Unavailability time for the High Pressure Injection System. The cumulative change in unavailability does not affect the color of the performance indicator for this system. This issue has been entered into the licensee's corrective action program.

2Q/01: A re-evaluation of surveillance tasks occurring between May 2001 and February 2003 has resulted in identification of additional Planned Unavailability time for the High Pressure Injection System. The cumulative change in unavailability does not affect the color of the performance indicator for this system. This issue has been entered into the licensee's corrective action program.

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



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

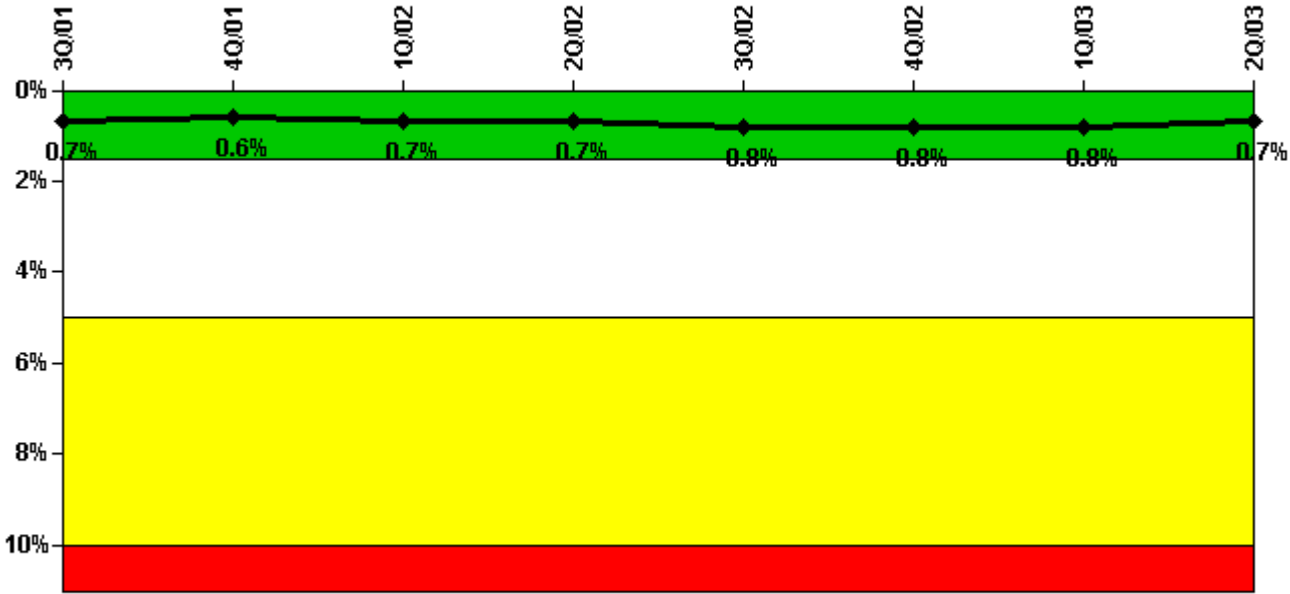
Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
<b>Train 1</b>								
Planned unavailable hours	16.20	17.40	19.20	3.80	37.80	21.60	5.00	24.40
Unplanned unavailable hours	0	45.70	0	0	0.90	0	0	0
Fault exposure hours	0	239.80	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	1849.40	2184.00	2208.00	1491.50	1941.00	2174.80
<b>Train 2</b>								
Planned unavailable hours	1.20	24.10	2.60	1.70	14.00	24.40	27.40	19.70
Unplanned unavailable hours	15.30	0	13.80	0	0	0	0	7.30
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	1849.40	2184.00	2208.00	1491.50	1941.00	2174.80
<b>Train 3</b>								
Planned unavailable hours	15.00	10.60	3.30	45.80	2.70	36.50	42.60	5.10
Unplanned unavailable hours	0	0	14.70	0	0	97.30	15.20	45.00
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	1849.40	2184.00	2208.00	1491.50	1941.00	2174.80
<b>Indicator value</b>	<b>1.0%</b>	<b>1.4%</b>	<b>1.4%</b>	<b>1.5%</b>	<b>1.5%</b>	<b>1.7%</b>	<b>1.7%</b>	<b>1.8%</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	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
<b>Train 1</b>								
Planned unavailable hours	12.40	26.80	4.80	30.30	10.40	4.40	19.00	3.40
Unplanned unavailable hours	0	0	0	0	0.60	0.80	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	2208.00	2208.00	2160.00	2184.00	2208.00	2073.50	2160.00	2184.00
<b>Train 2</b>								
Planned unavailable hours	19.70	2.90	20.40	24.40	1.60	8.70	25.30	19.80
Unplanned unavailable hours	0	4.30	0	0	21.70	1.10	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	2208.00	2208.00	2160.00	2184.00	2208.00	2073.50	2160.00	2184.00
<b>Indicator value</b>	<b>0.7%</b>	<b>0.6%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.8%</b>	<b>0.7%</b>

Licensee Comments:

1Q/03: A re-evaluation of surveillance tasks occurring between May 2001 and February 2003 has resulted in identification of additional Planned Unavailability time for the Residual Heat Removal System. The cumulative change in unavailability does not affect the color of the performance indicator for this system. This issue has been

entered into the licensee's corrective action program.

4Q/02: A re-evaluation of surveillance tasks occurring between May 2001 and February 2003 has resulted in identification of additional Planned Unavailability time for the Residual Heat Removal System. The cumulative change in unavailability does not affect the color of the performance indicator for this system. This issue has been entered into the licensee's corrective action program.

3Q/02: A re-evaluation of surveillance tasks occurring between May 2001 and February 2003 has resulted in identification of additional Planned Unavailability time for the Residual Heat Removal System. The cumulative change in unavailability does not affect the color of the performance indicator for this system. This issue has been entered into the licensee's corrective action program.

2Q/02: A re-evaluation of surveillance tasks occurring between May 2001 and February 2003 has resulted in identification of additional Planned Unavailability time for the Residual Heat Removal System. The cumulative change in unavailability does not affect the color of the performance indicator for this system. This issue has been entered into the licensee's corrective action program.

1Q/02: A re-evaluation of surveillance tasks occurring between May 2001 and February 2003 has resulted in identification of additional Planned Unavailability time for the Residual Heat Removal System. The cumulative change in unavailability does not affect the color of the performance indicator for this system. This issue has been entered into the licensee's corrective action program.

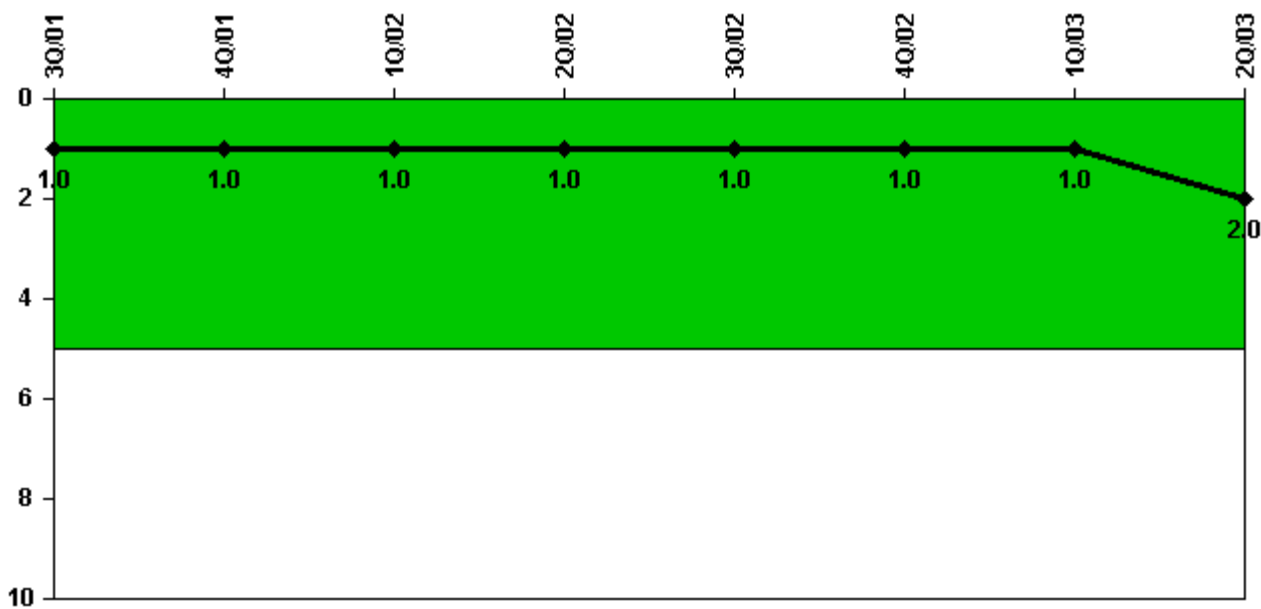
4Q/01: A re-evaluation of surveillance tasks occurring between May 2001 and February 2003 has resulted in identification of additional Planned Unavailability time for the Residual Heat Removal System. The cumulative change in unavailability does not affect the color of the performance indicator for this system. This issue has been entered into the licensee's corrective action program.

3Q/01: A re-evaluation of surveillance tasks occurring between May 2001 and February 2003 has resulted in identification of additional Planned Unavailability time for the Residual Heat Removal System. The cumulative change in unavailability does not affect the color of the performance indicator for this system. This issue has been entered into the licensee's corrective action program.

2Q/01: A re-evaluation of surveillance tasks occurring between May 2001 and February 2003 has resulted in identification of additional Planned Unavailability time for the Residual Heat Removal System. The cumulative change in unavailability does not affect the color of the performance indicator for this system. This issue has been entered into the licensee's corrective action program.

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### Safety System Functional Failures (PWR)



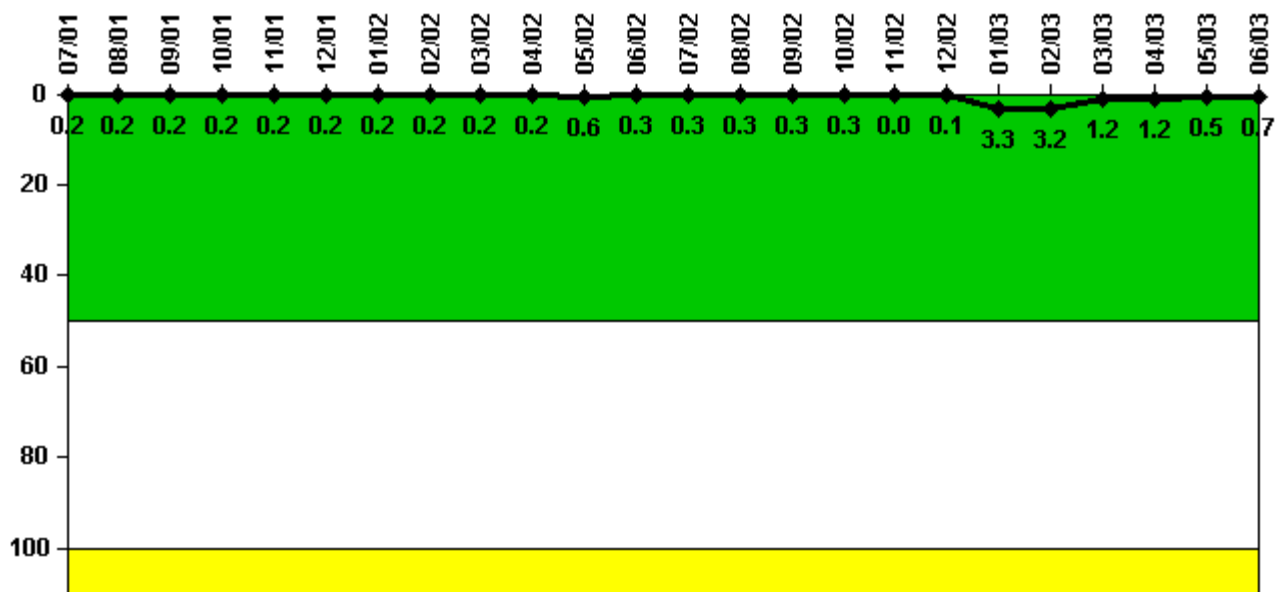
Thresholds: White > 5.0

#### Notes

Safety System Functional Failures (PWR)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Safety System Functional Failures	0	0	0	1	0	0	0	2
Indicator value	1	1	1	1	1	1	1	2

Licensee Comments: none

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Activity	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum activity	0.001530	0.001620	0.001580	0.001700	0.001720	0.001690	0.001960	0.001890	0.002290	0.002130	0.005510	0.002530
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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.3

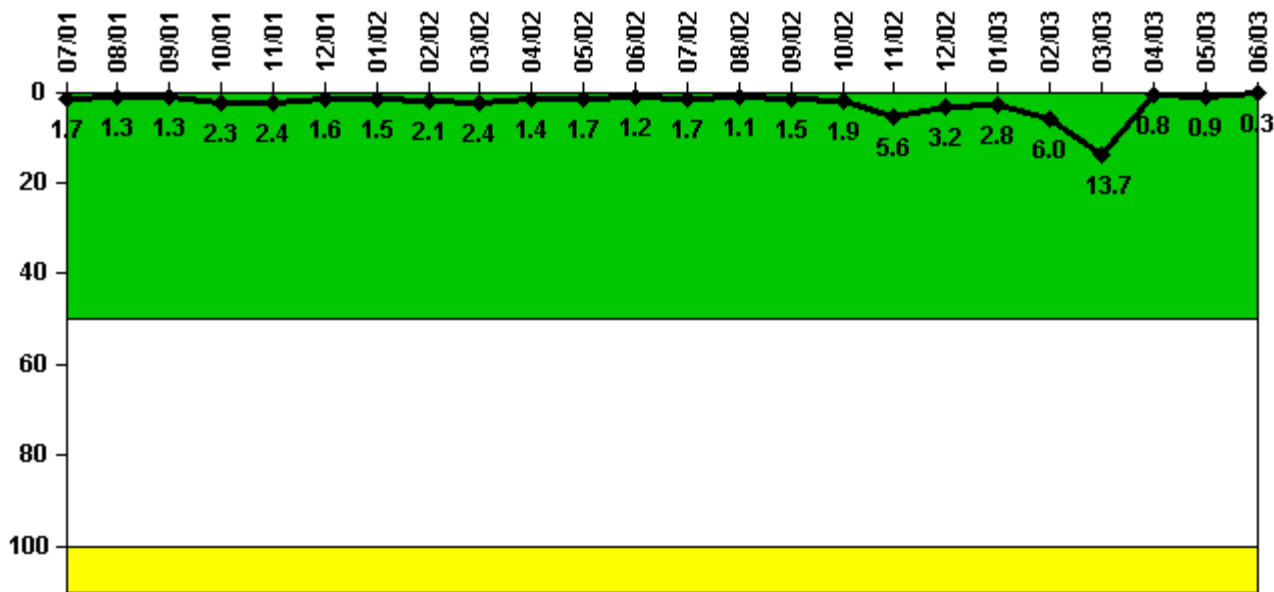
  

Reactor Coolant System Activity	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum activity	0.002520	0.002810	0.002660	0.003400	0.000440	0.000850	0.009890	0.009710	0.003540	0.003530	0.001390	0.001970
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	0.3	0.3	0.3	0.3	0	0.1	3.3	3.2	1.2	1.2	0.5	0.7

Licensee Comments:

6/03: An Administrative Limit of 0.3 micro Curies per gram dose equivalent I-131 has been established in response to the Accident Analysis issue documented in LER 2003-03. This issue has been entered into the Callaway corrective action program.

### Reactor Coolant System Leakage



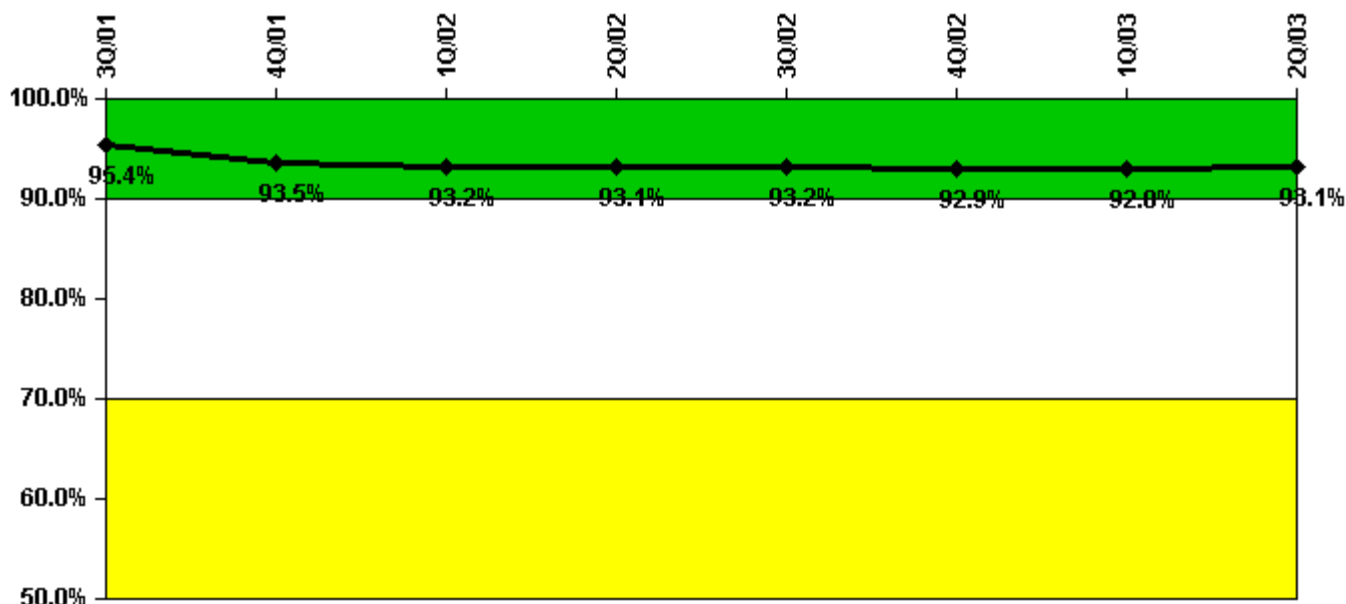
Thresholds: White > 50.0 Yellow > 100.0

**Notes**

Reactor Coolant System Leakage	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum leakage	0.170	0.127	0.134	0.229	0.241	0.158	0.154	0.208	0.244	0.135	0.174	0.119
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	1.7	1.3	1.3	2.3	2.4	1.6	1.5	2.1	2.4	1.4	1.7	1.2
Reactor Coolant System Leakage	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum leakage	0.173	0.105	0.148	0.193	0.555	0.321	0.280	0.601	1.365	0.078	0.087	0.028
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	1.7	1.1	1.5	1.9	5.6	3.2	2.8	6.0	13.7	0.8	0.9	0.3

Licensee Comments: none

### Drill/Exercise Performance



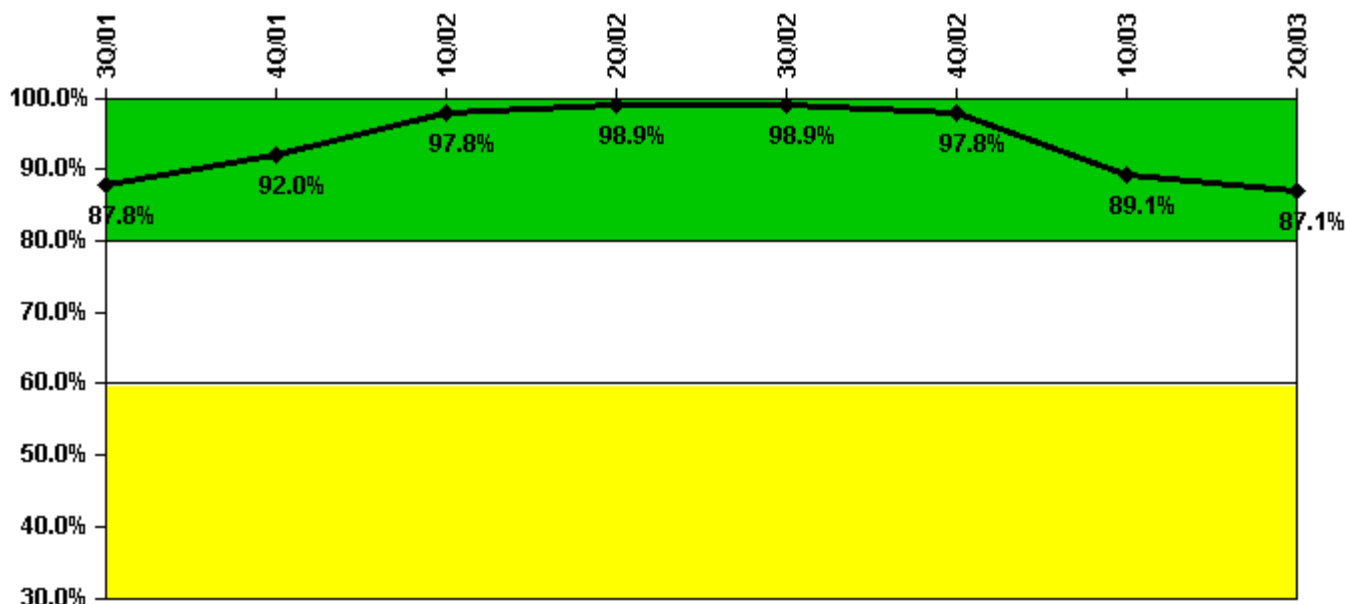
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful opportunities	29.0	79.0	51.0	33.0	38.0	6.0	35.0	12.0
Total opportunities	31.0	88.0	55.0	35.0	41.0	6.0	36.0	12.0
Indicator value	95.4%	93.5%	93.2%	93.1%	93.2%	92.9%	92.8%	93.1%

Licensee Comments: none

### ERO Drill Participation



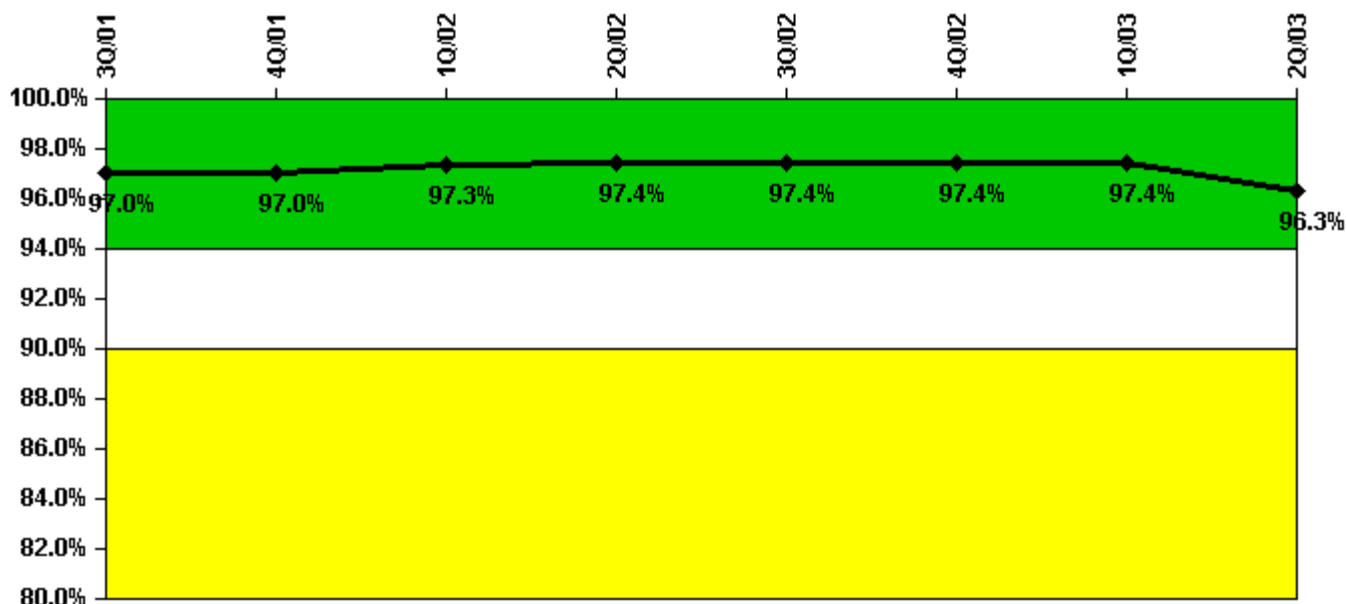
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Participating Key personnel	79.0	81.0	87.0	88.0	91.0	87.0	82.0	81.0
Total Key personnel	90.0	88.0	89.0	89.0	92.0	89.0	92.0	93.0
Indicator value	87.8%	92.0%	97.8%	98.9%	98.9%	97.8%	89.1%	87.1%

Licensee Comments: none

### Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

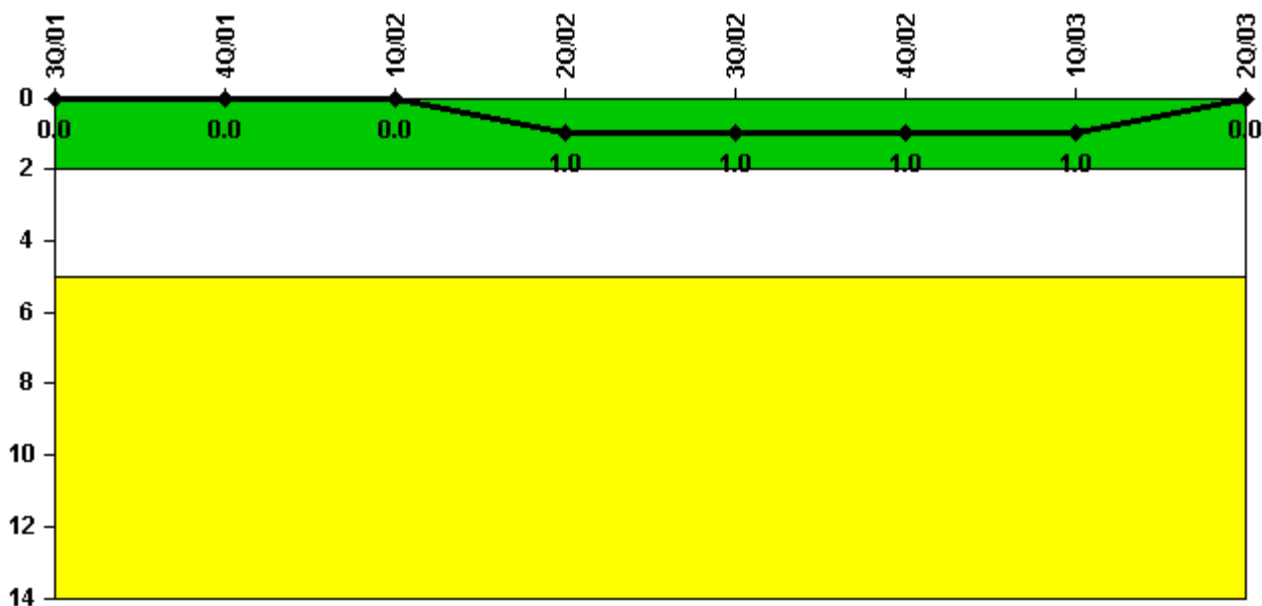
#### Notes

Alert & Notification System	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful siren-tests	83	82	84	84	86	85	84	80
Total sirens-tests	84	84	87	87	87	87	87	87
Indicator value	97.0%	97.0%	97.3%	97.4%	97.4%	97.4%	97.4%	96.3%

Licensee Comments: none



### Occupational Exposure Control Effectiveness



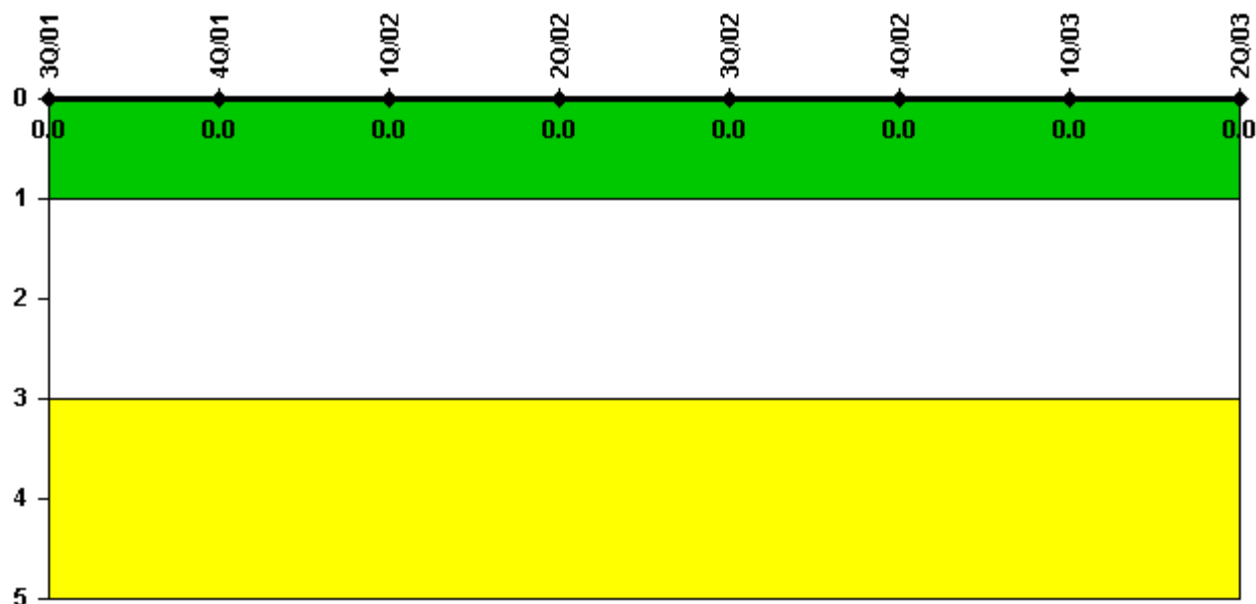
Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
High radiation area occurrences	0	0	0	1	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	0	0	1	1	1	1	0

Licensee Comments: none

### RETS/ODCM Radiological Effluent



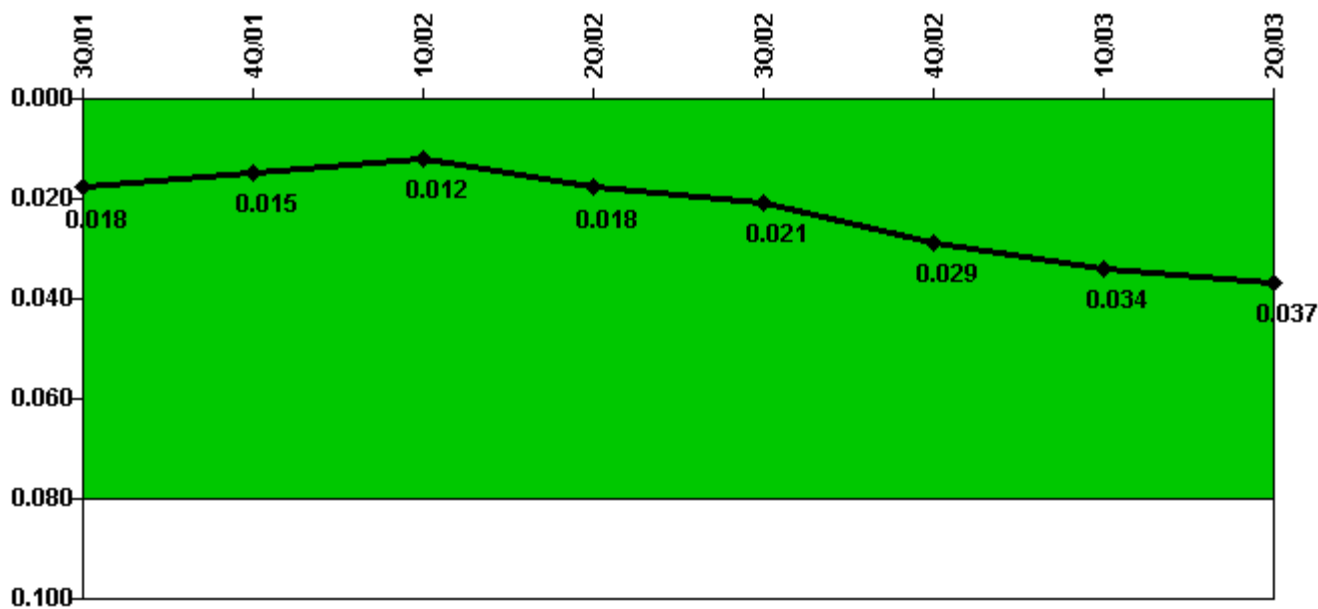
Thresholds: White > 1.0 Yellow > 3.0

#### Notes

RETS/ODCM Radiological Effluent	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/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



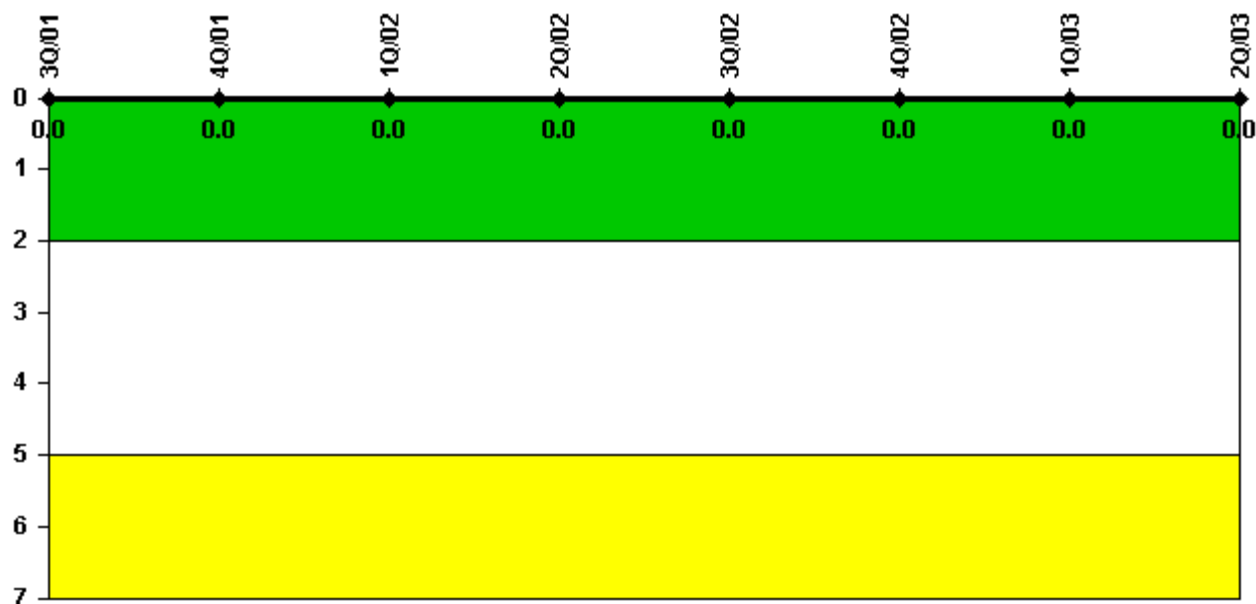
Thresholds: White > 0.080

#### Notes

Protected Area Security Performance Index	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
IDS compensatory hours	61.80	130.60	6.30	218.30	81.30	331.70	14.50	24.70
CCTV compensatory hours	6.7	1.5	1.1	12.6	35.4	2.5	85.6	194.1
IDS normalization factor	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.018	0.015	0.012	0.018	0.021	0.029	0.034	0.037

Licensee Comments: none

### Personnel Screening Program



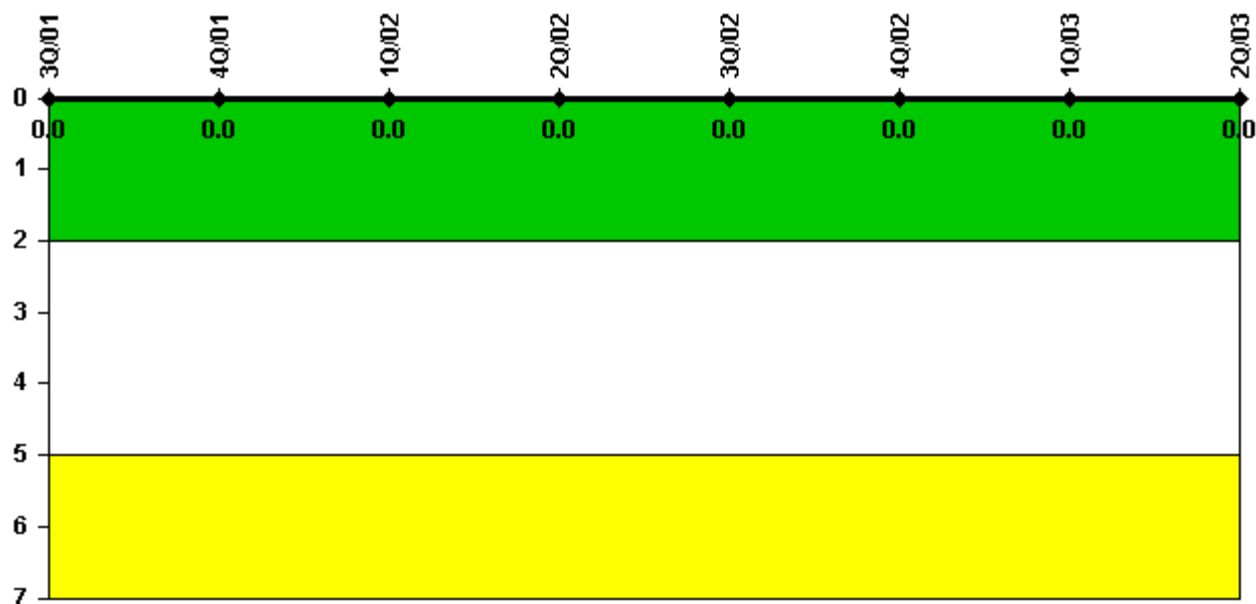
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Personnel Screening Program	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/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	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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Last Modified: July 22, 2003