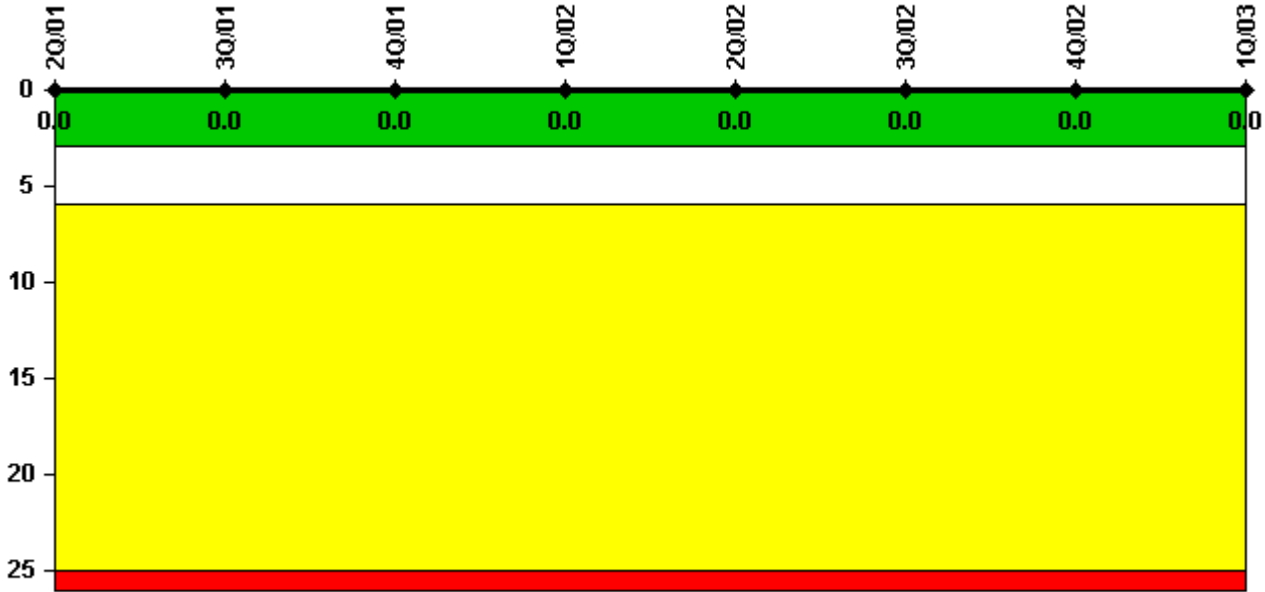


# Fort Calhoun

## 1Q/2003 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



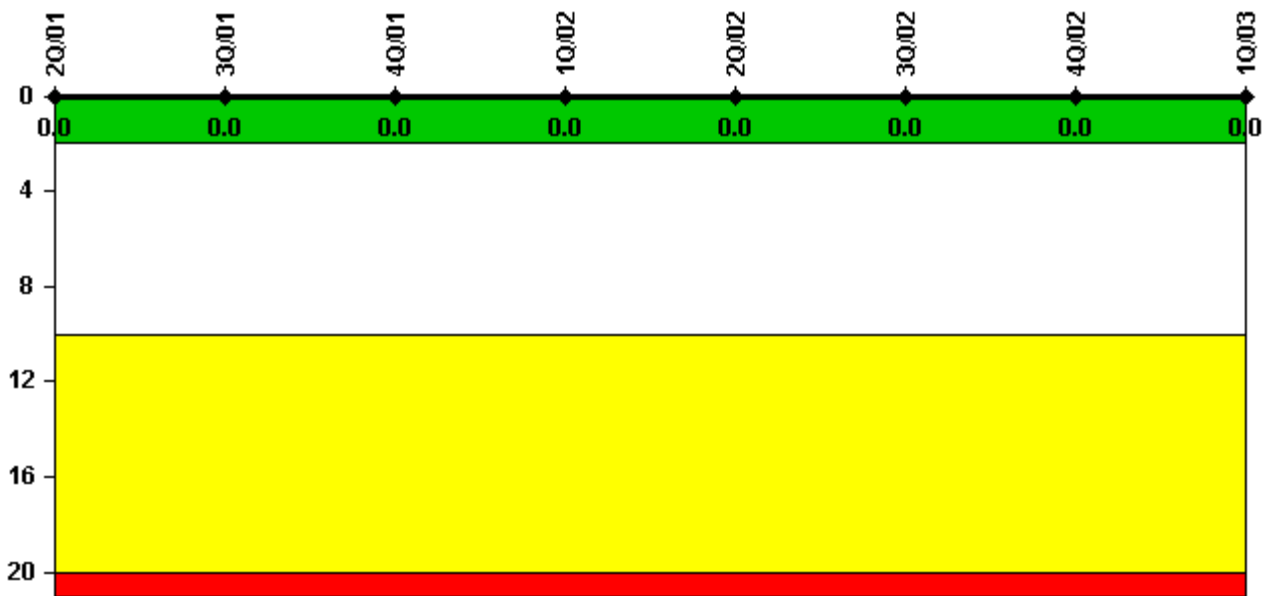
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1541.0	2208.0	2209.0	2160.0	1505.4	2208.0	2209.0	2160.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



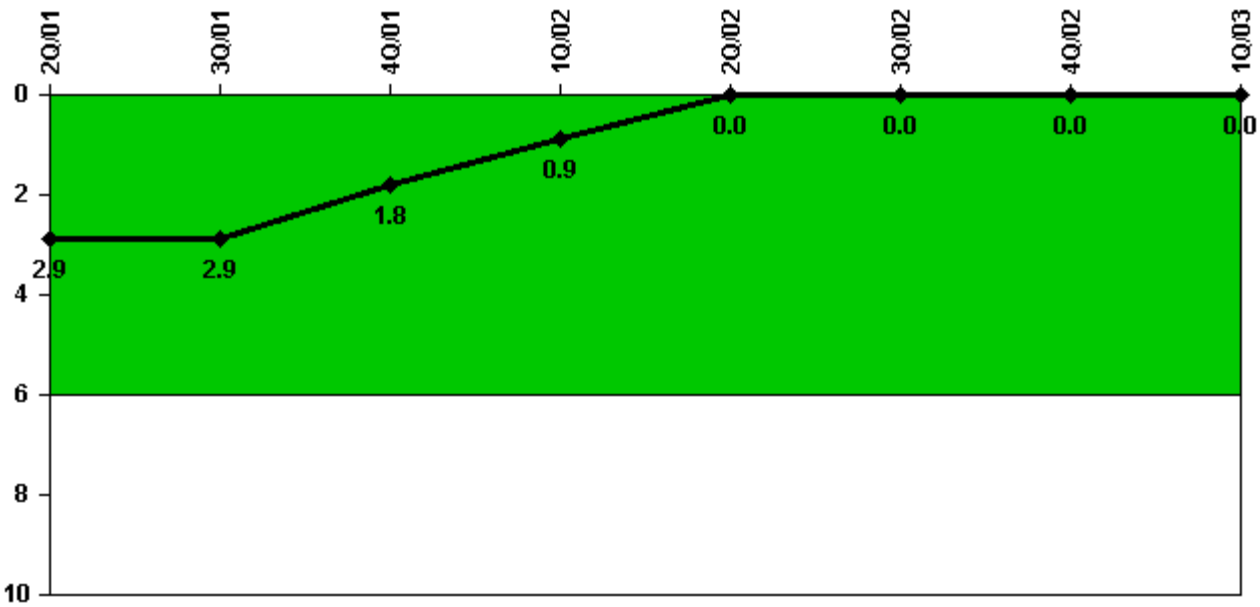
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

Scrams with Loss of Normal Heat Removal	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/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



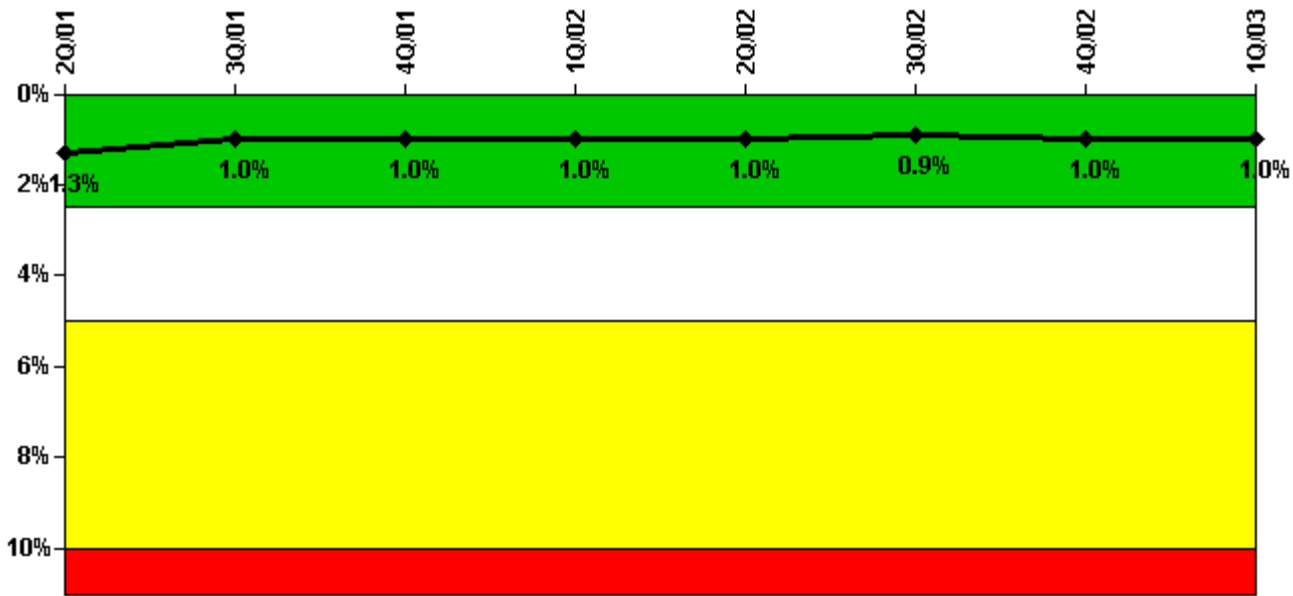
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	1541.0	2208.0	2209.0	2160.0	1505.4	2208.0	2209.0	2160.0
Indicator value	2.9	2.9	1.8	0.9	0	0	0	0

Licensee Comments: none

### Safety System Unavailability, Emergency AC Power



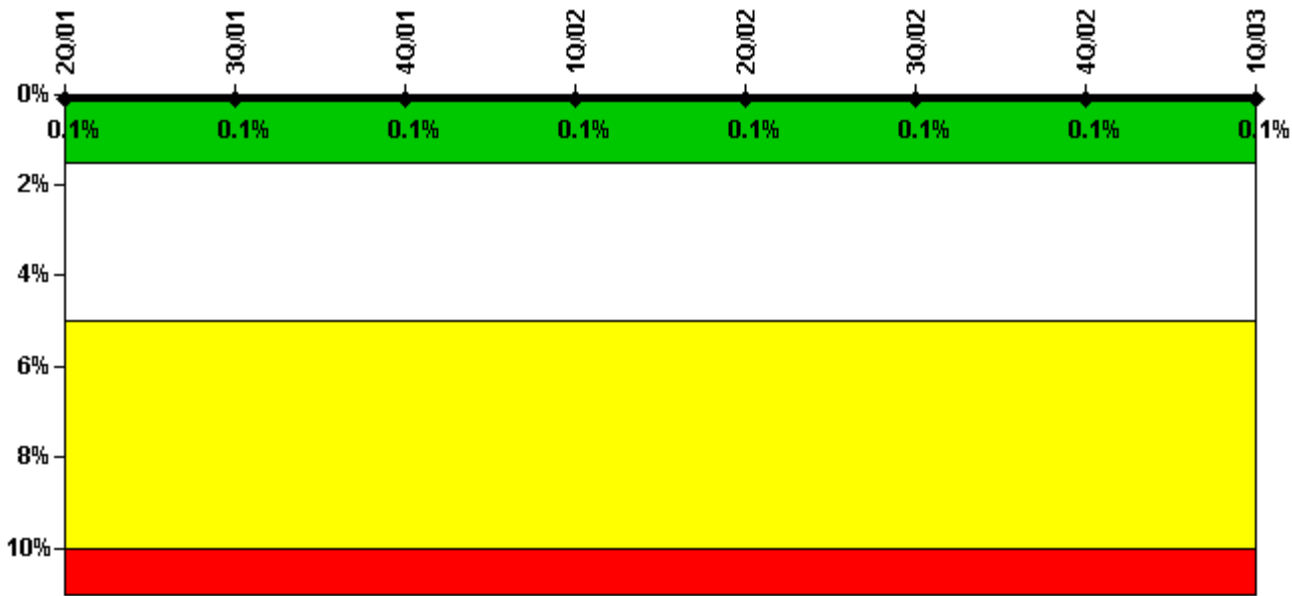
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

#### Notes

Safety System Unavailability, Emergency AC Power	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
<b>Train 1</b>								
Planned unavailable hours	14.88	24.50	69.80	15.40	14.65	10.30	19.04	15.90
Unplanned unavailable hours	0	0	5.00	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	10.58	11.00	14.20	10.90	15.50	17.50	23.57	41.00
Unplanned unavailable hours	0	0	0.90	0	0	6.10	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	1.3%	1.0%	1.0%	1.0%	1.0%	0.9%	1.0%	1.0%

Licensee Comments: none

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



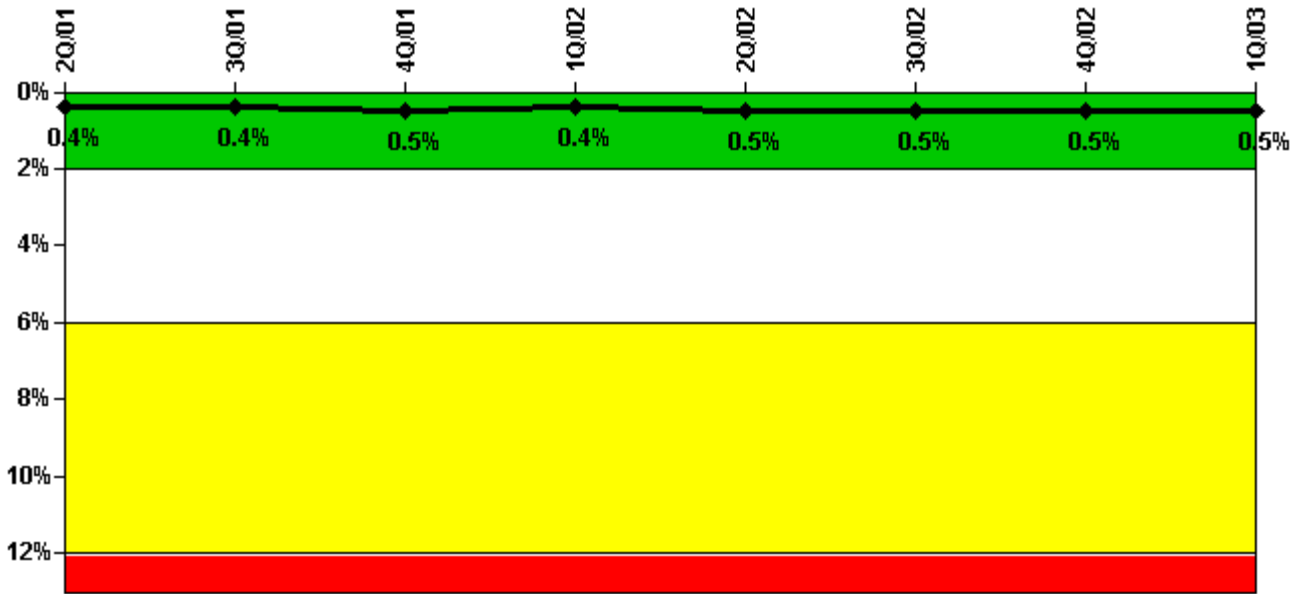
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

**Notes**

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
<b>Train 1</b>								
Planned unavailable hours	0	0	0	0	0.28	0	0.20	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	1602.00	2208.00	2209.00	2160.00	1585.00	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	0	8.90	1.40	0.40	11.68	1.40	8.00	0.40
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	1602.00	2208.00	2209.00	2160.00	1585.00	2208.00	2209.00	2160.00
<b>Indicator value</b>	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

Licensee Comments: none

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



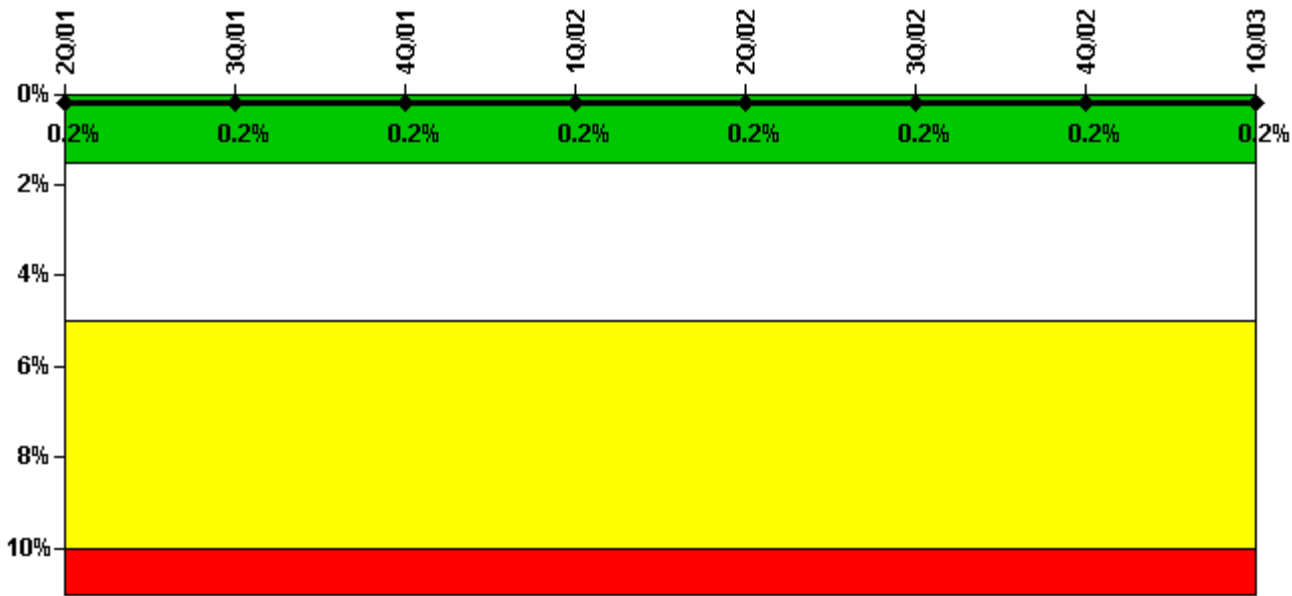
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

**Notes**

Safety System Unavailability, Heat Removal System (AFW)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
<b>Train 1</b>								
Planned unavailable hours	0	0	19.72	11.22	7.00	1.31	5.08	13.60
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	1541.00	2208.00	2209.00	2160.00	1505.40	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	12.50	14.08	10.44	6.60	4.20	11.32	7.24	27.10
Unplanned unavailable hours	11.00	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	1541.00	2208.00	2209.00	2160.00	1505.40	2208.00	2209.00	2160.00
Indicator value	0.4%	0.4%	0.5%	0.4%	0.5%	0.5%	0.5%	0.5%

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



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

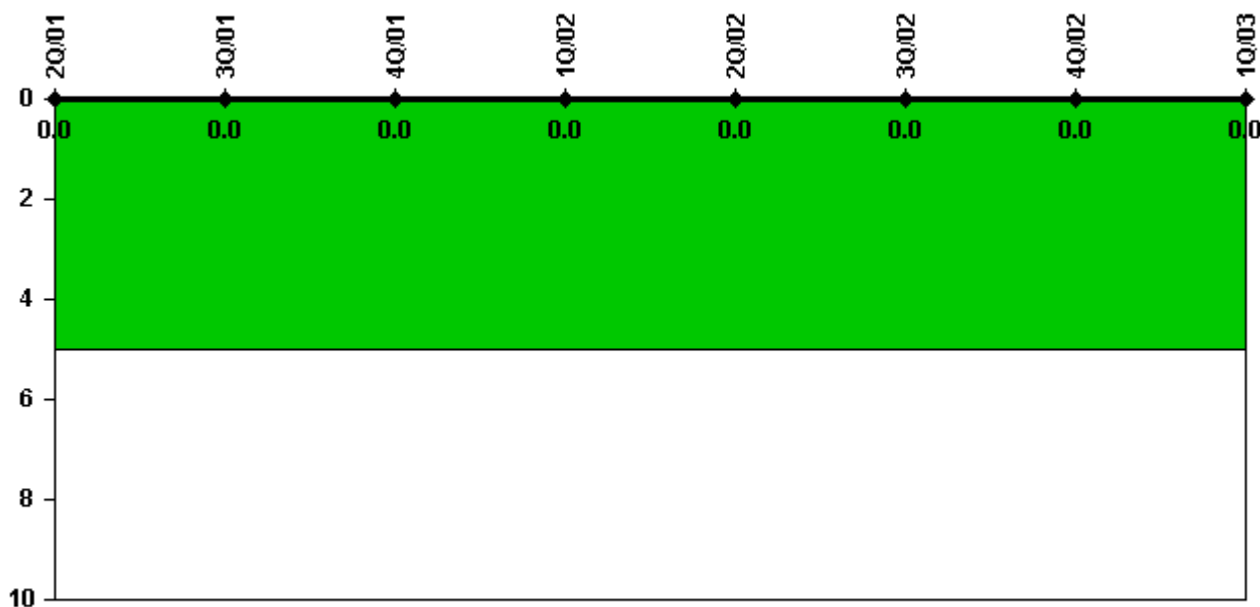
**Notes**

Safety System Unavailability, Residual Heat Removal System	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
<b>Train 1</b>								
Planned unavailable hours	0.40	0.40	6.20	11.50	12.60	0.80	0.40	11.90
Unplanned unavailable hours	0	0	0.10	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	1603.00	2208.00	2209.00	2160.00	1585.00	2208.00	2209.00	2160.00
<b>Train 2</b>								
Planned unavailable hours	0	0	0	0	1.50	0.40	0.40	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	1603.00	2208.00	2209.00	2160.00	1585.00	2208.00	2209.00	2160.00
<b>Train 3</b>								
Planned unavailable hours	0	0	0	0	0	0	0	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	641.00	0	0	0	540.30	0	0	0
<b>Train 4</b>								
Planned unavailable hours	0	0	0	0	0	0	0	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	641.00	0	0	0	540.30	0	0	0

Indicator value	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

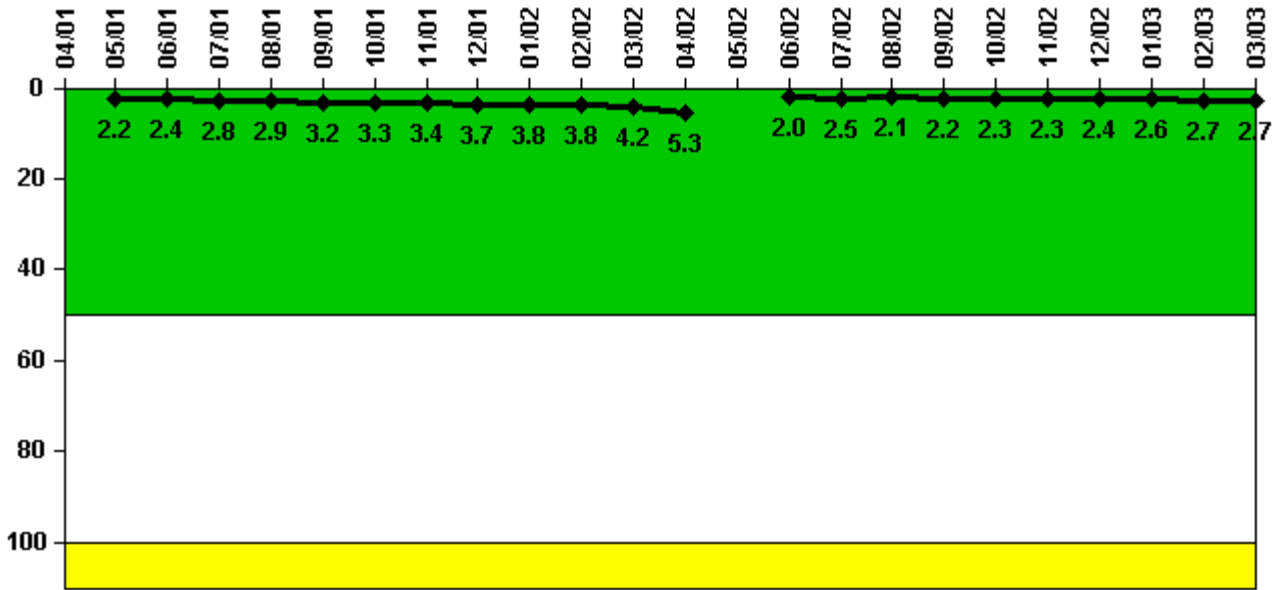
### Notes

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



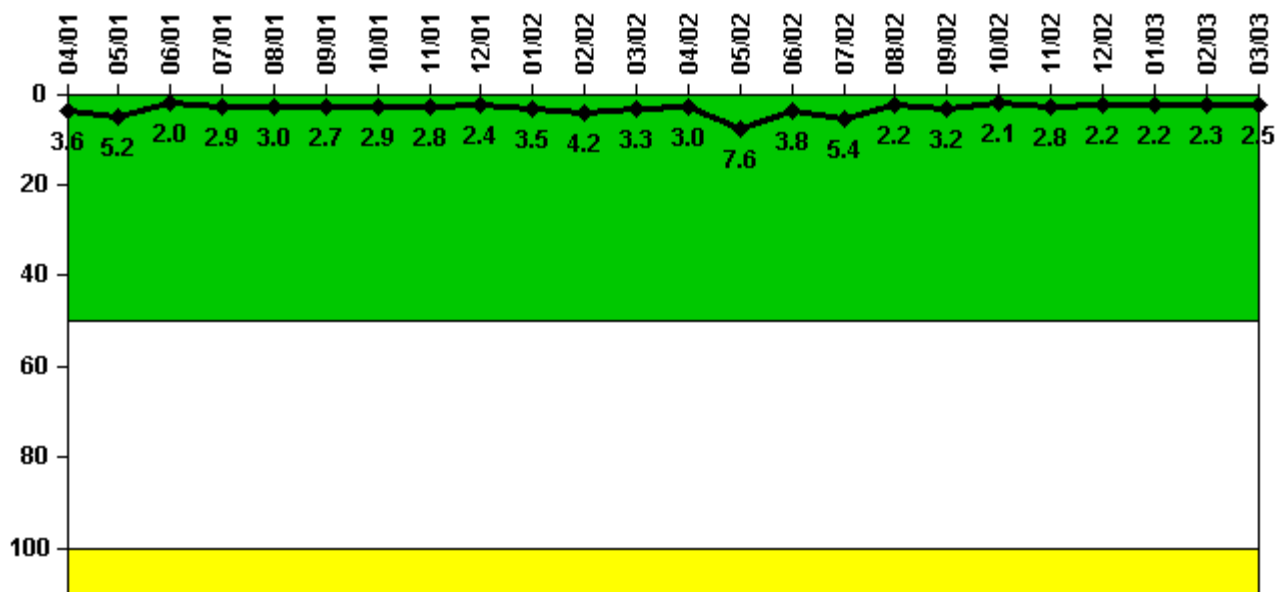
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Activity	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum activity	N/A	0.022200	0.024200	0.027900	0.029100	0.032400	0.032700	0.034100	0.037200	0.037700	0.038400	0.041500
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	N/A	2.2	2.4	2.8	2.9	3.2	3.3	3.4	3.7	3.8	3.8	4.2
Reactor Coolant System Activity	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum activity	0.053100	N/A	0.020000	0.025200	0.020600	0.022100	0.022800	0.023100	0.024000	0.025900	0.027000	0.026800
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	5.3	N/A	2.0	2.5	2.1	2.2	2.3	2.3	2.4	2.6	2.7	2.7

Licensee Comments: none

### Reactor Coolant System Leakage



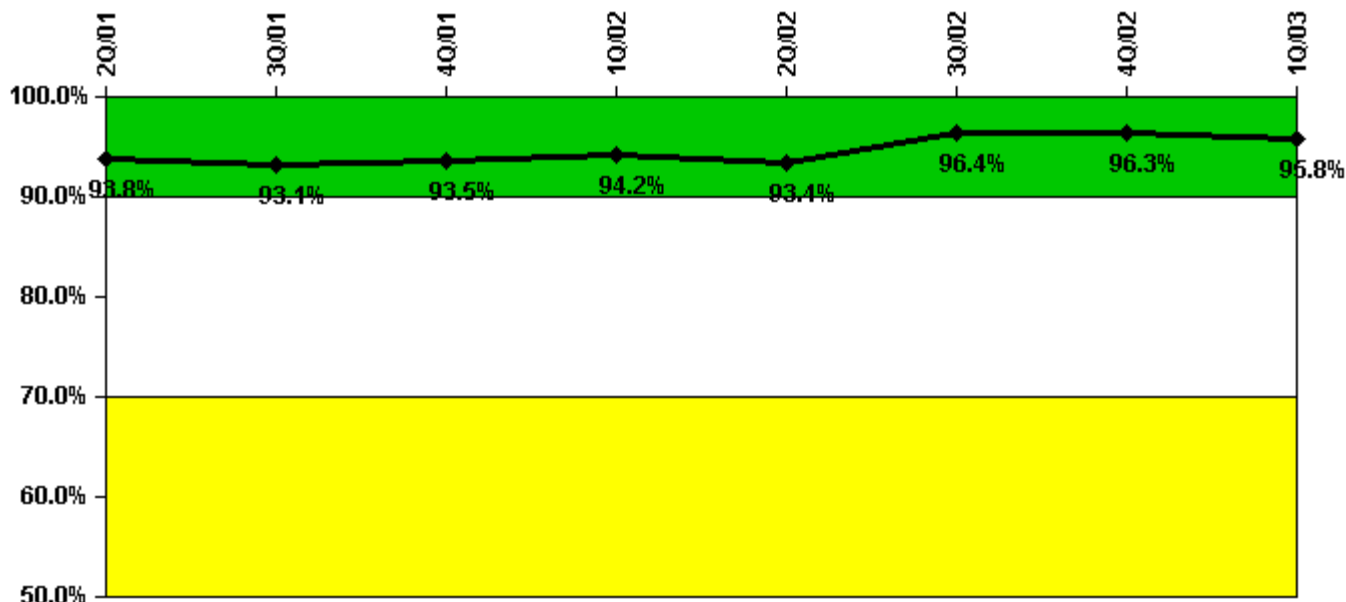
Thresholds: White > 50.0 Yellow > 100.0

#### Notes

Reactor Coolant System Leakage	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum leakage	0.360	0.522	0.198	0.293	0.297	0.265	0.290	0.275	0.239	0.346	0.422	0.332
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	3.6	5.2	2.0	2.9	3.0	2.7	2.9	2.8	2.4	3.5	4.2	3.3
Reactor Coolant System Leakage	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum leakage	0.298	0.758	0.380	0.539	0.216	0.315	0.210	0.276	0.216	0.223	0.230	0.248
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	3.0	7.6	3.8	5.4	2.2	3.2	2.1	2.8	2.2	2.2	2.3	2.5

Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

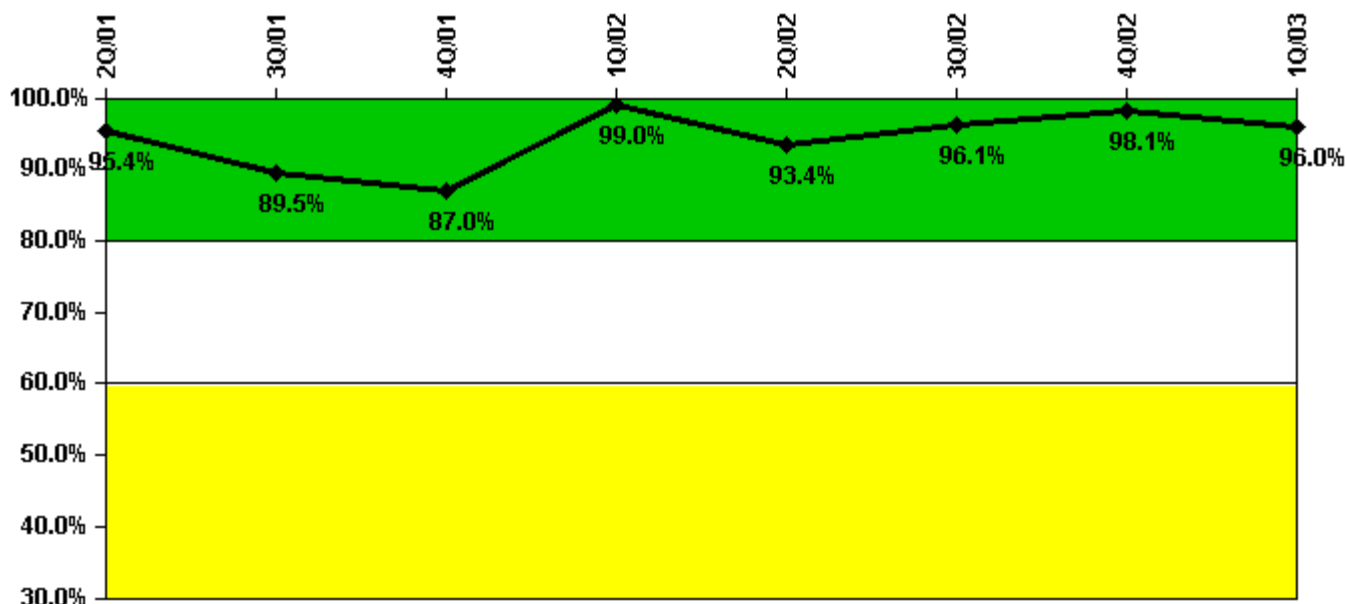
#### Notes

Drill/Exercise Performance	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Successful opportunities	6.0	11.0	21.0	62.0	21.0	43.0	10.0	7.0
Total opportunities	8.0	12.0	22.0	64.0	22.0	43.0	10.0	8.0
Indicator value	93.8%	93.1%	93.5%	94.2%	93.4%	96.4%	96.3%	95.8%

Licensee Comments:

4Q/02: Corrected error found during independent audit of data.

### ERO Drill Participation



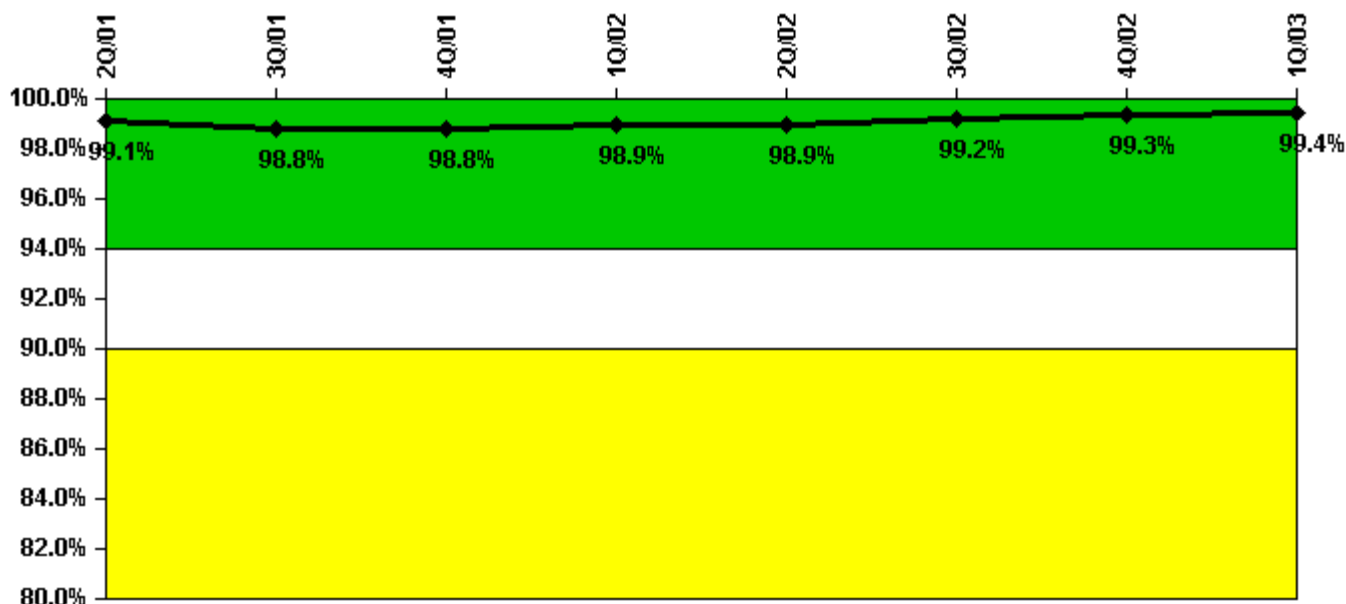
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Participating Key personnel	83.0	85.0	87.0	98.0	99.0	99.0	101.0	97.0
Total Key personnel	87.0	95.0	100.0	99.0	106.0	103.0	103.0	101.0
Indicator value	95.4%	89.5%	87.0%	99.0%	93.4%	96.1%	98.1%	96.0%

Licensee Comments: none

### Alert & Notification System



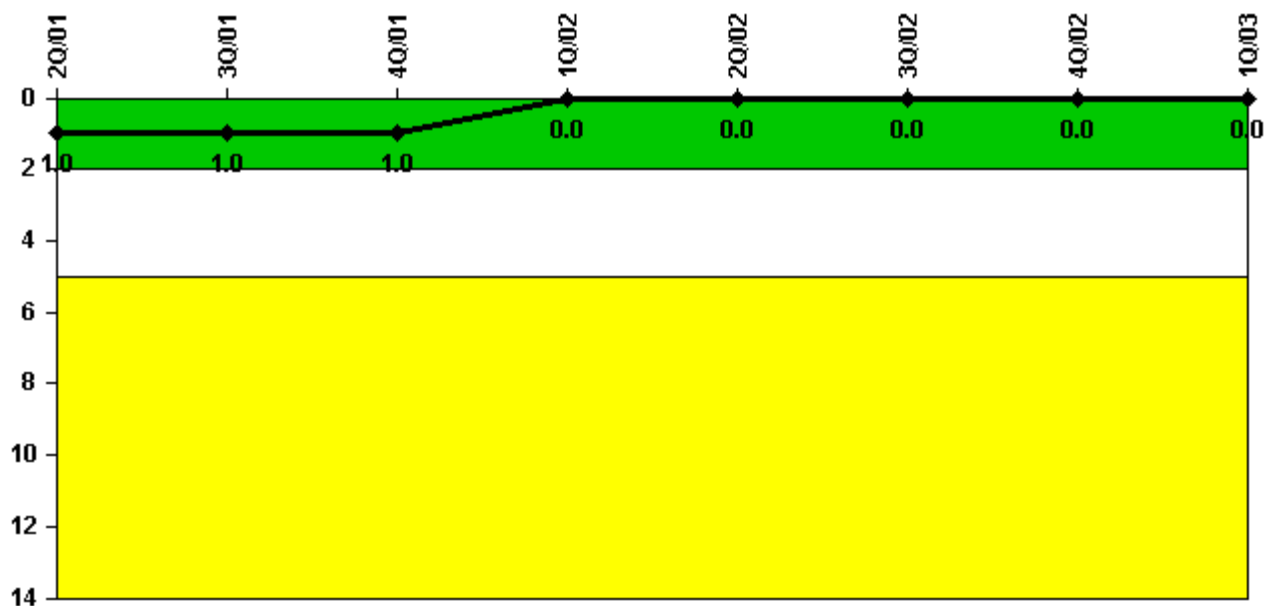
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Successful siren-tests	803	789	803	701	803	900	704	804
Total sirens-tests	808	808	808	707	808	909	707	807
Indicator value	99.1%	98.8%	98.8%	98.9%	98.9%	99.2%	99.3%	99.4%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/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	0	0	0	0	0	0	0	0
Indicator value	1	1	1	0	0	0	0	0

Licensee Comments: none

### RETS/ODCM Radiological Effluent



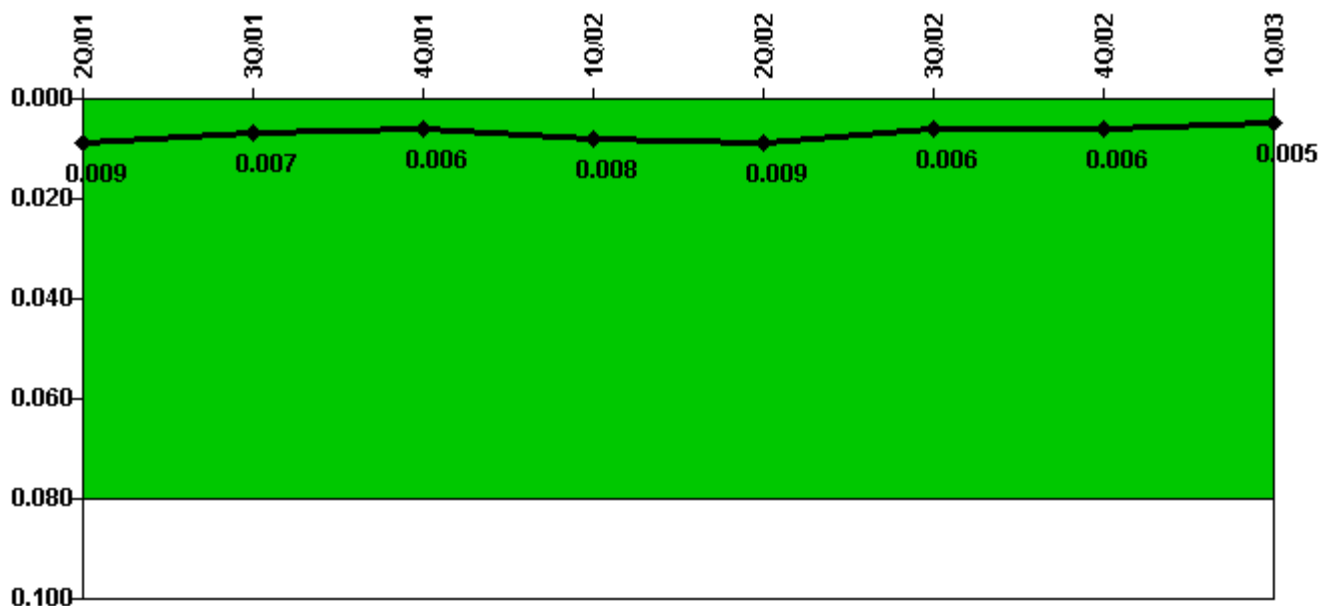
Thresholds: White > 1.0 Yellow > 3.0

#### Notes

RETS/ODCM Radiological Effluent	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/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	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
IDS compensatory hours	10.30	38.20	32.60	80.60	44.60	3.50	17.60	60.00
CCTV compensatory hours	1.2	20.9	0	0	0	0	0	0
IDS normalization factor	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.009	0.007	0.006	0.008	0.009	0.006	0.006	0.005

Licensee Comments: none



### Personnel Screening Program



Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Personnel Screening Program	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/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	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/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: April 22, 2003