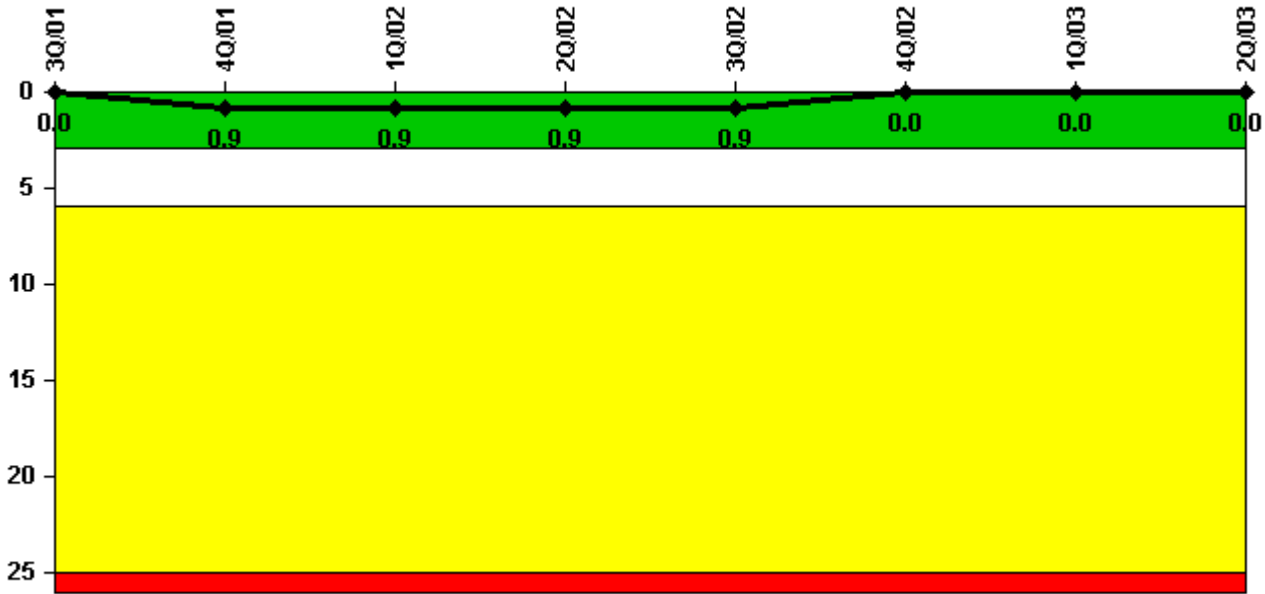


# Catawba 2

## 2Q/2003 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



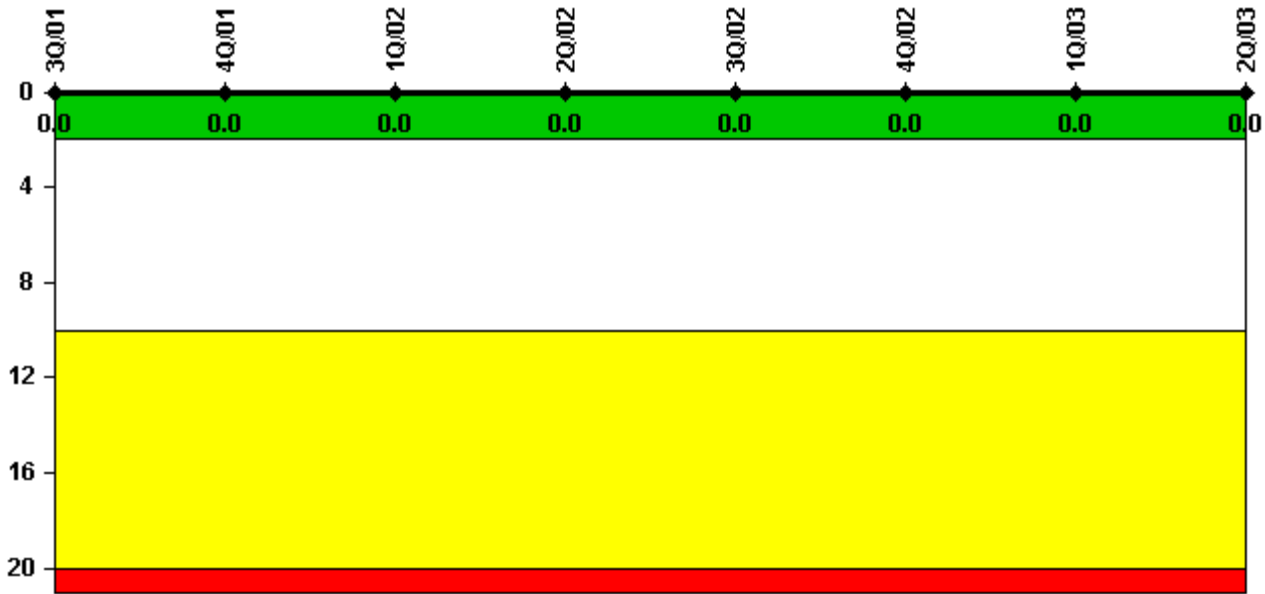
**Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0**

### 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	1.0	0	0	0	0	0	0
Critical hours	1827.7	1364.5	2160.0	2183.0	2208.0	2209.0	1548.5	2183.0
Indicator value	0	0.9	0.9	0.9	0.9	0	0	0

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



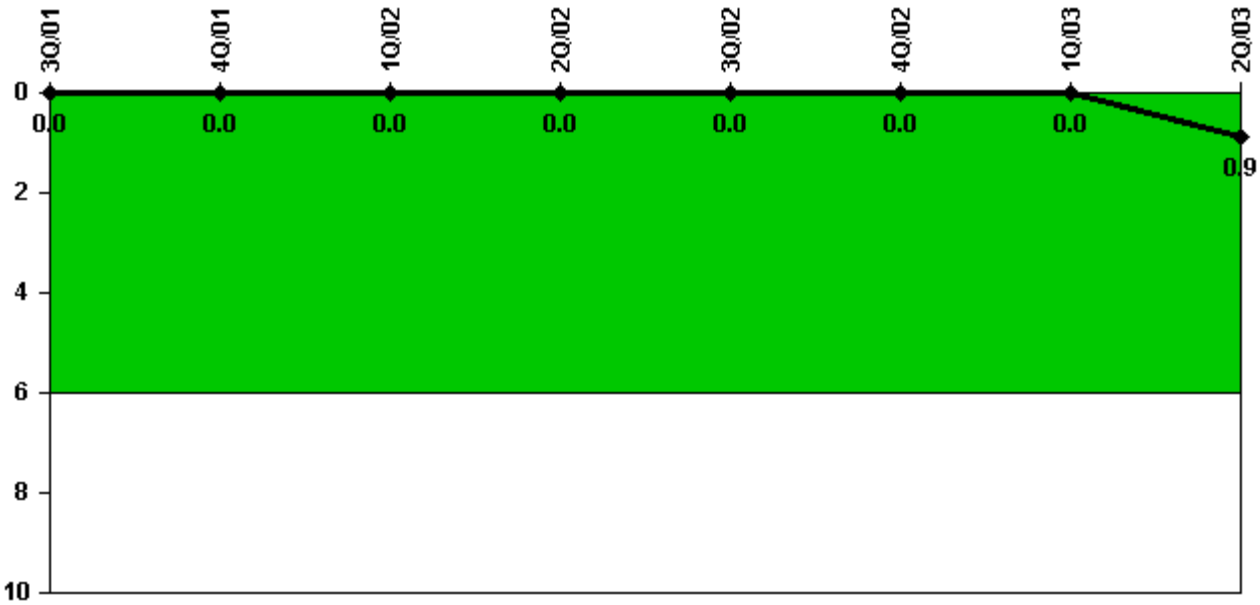
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

Scrams with Loss of Normal Heat Removal	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	0	0	0	0	0	0	0	0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



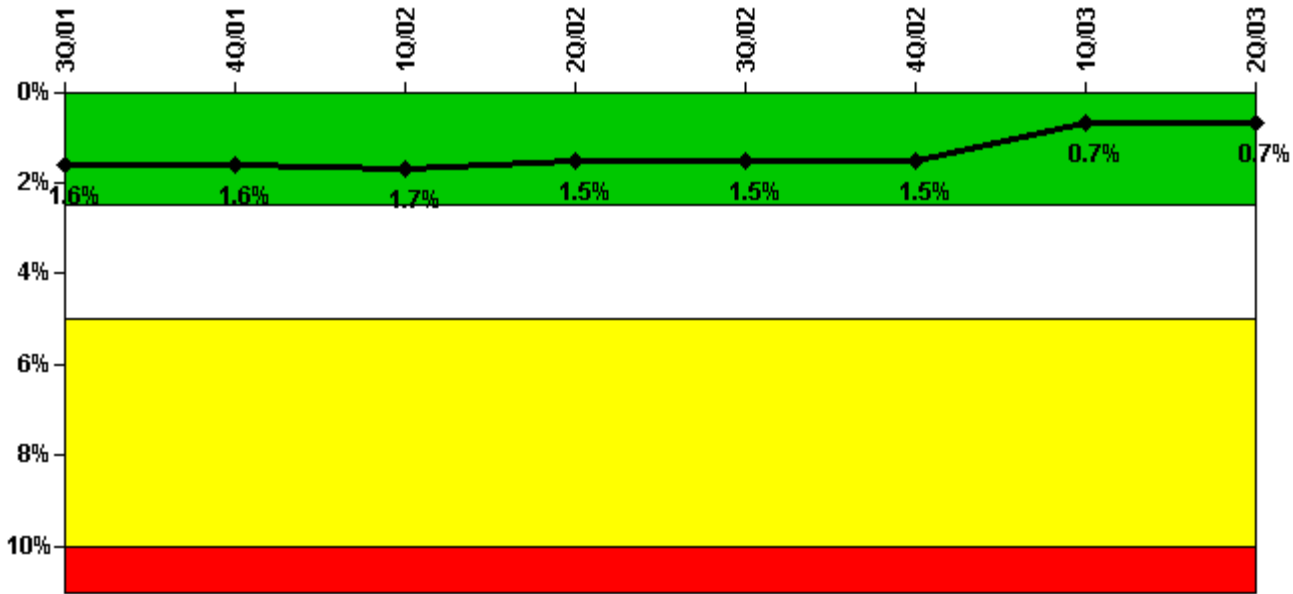
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	1827.7	1364.5	2160.0	2183.0	2208.0	2209.0	1548.5	2183.0
Indicator value	0	0	0	0	0	0	0	0.9

Licensee Comments: none

### Safety System Unavailability, Emergency AC Power



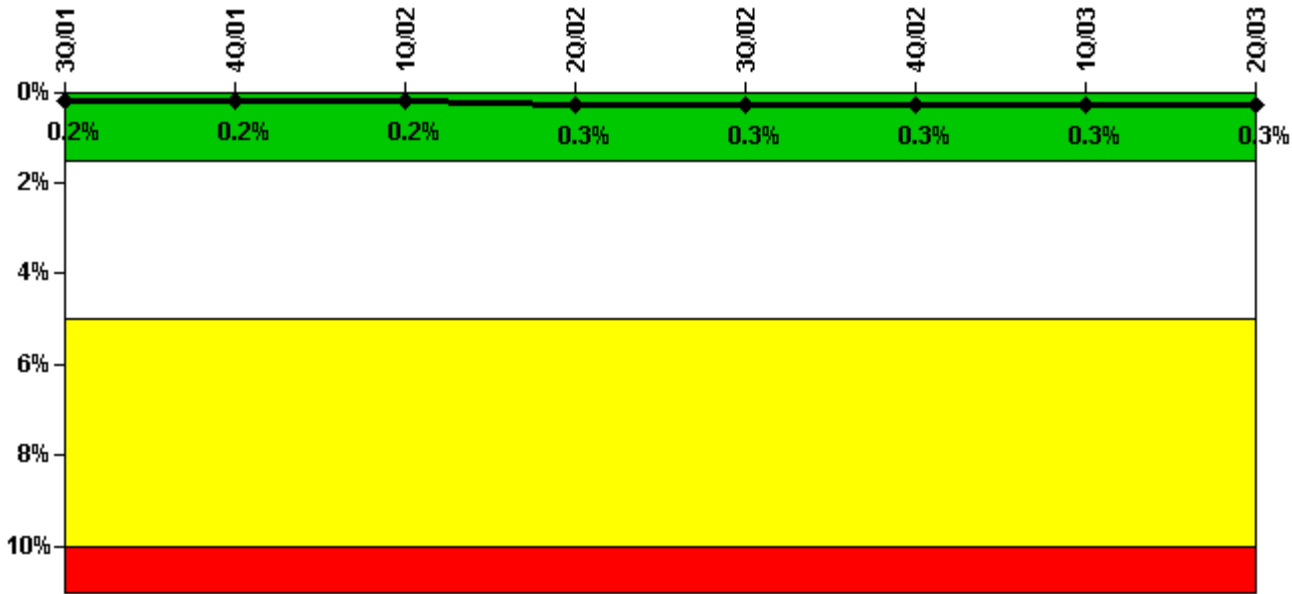
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

#### 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	2.47	1.87	0	8.60	0	38.71	63.00	0
Unplanned unavailable hours	0	0	62.11	0	0.77	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	2209.00	2160.00	2184.00	2208.00	2209.00	2160.00	2183.00
<b>Train 2</b>								
Planned unavailable hours	2.04	1.77	0	12.92	0	12.57	48.75	35.15
Unplanned unavailable hours	0	0	0	0	3.00	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	2160.00	2184.00	2208.00	2209.00	2160.00	2183.00
Indicator value	1.6%	1.6%	1.7%	1.5%	1.5%	1.5%	0.7%	0.7%

Licensee Comments: none

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



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

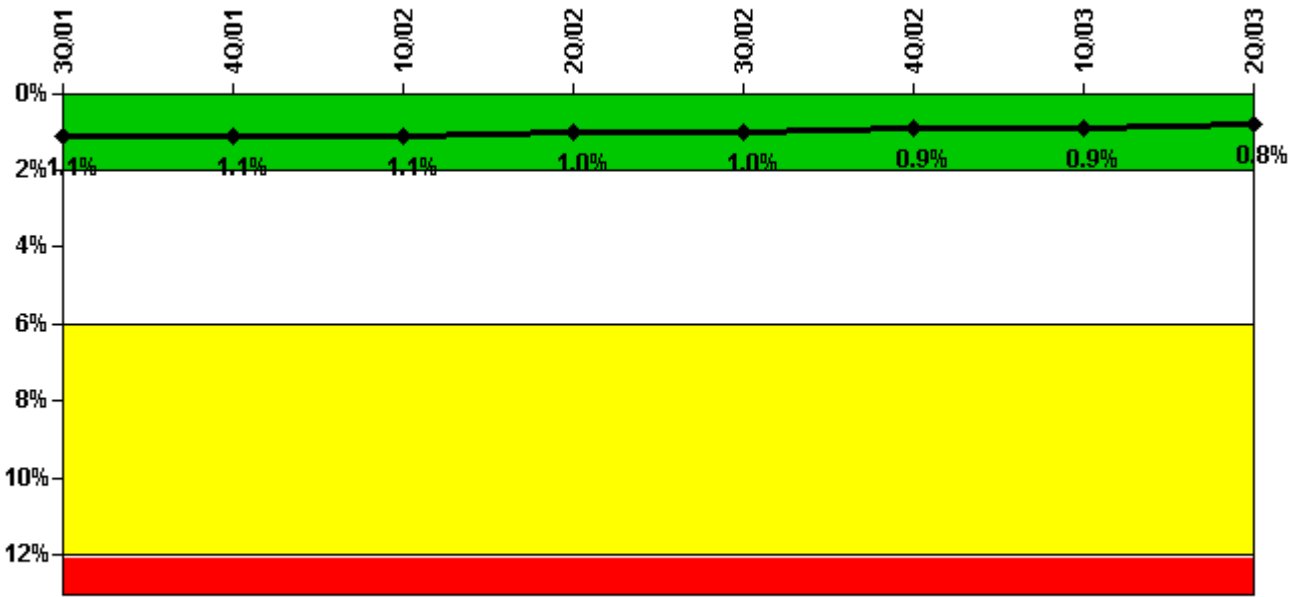
**Notes**

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
<b>Train 1</b>								
Planned unavailable hours	10.28	1.10	0.30	18.70	0	8.40	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	1827.78	1364.50	2160.00	2183.00	2208.00	2209.00	1548.50	2183.00
<b>Train 2</b>								
Planned unavailable hours	1.40	0.80	2.67	14.20	9.30	1.10	10.10	13.80
Unplanned unavailable hours	0	0	0	6.30	17.60	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	1827.78	1364.50	2160.00	2183.00	2208.00	2209.00	1548.50	2183.00
<b>Train 3</b>								
Planned unavailable hours	0.50	0	11.80	1.20	2.50	13.90	0	10.50
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	1827.78	1364.50	2160.00	2183.00	2208.00	2209.00	1548.50	2183.00
<b>Train 4</b>								
Planned unavailable hours	4.02	0	1.57	18.40	4.20	10.80	10.10	29.40
Unplanned unavailable hours	0	0	0	6.30	17.60	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	1827.78	1364.50	2160.00	2183.00	2208.00	2209.00	1548.50	2183.00
Indicator value	0.2%	0.2%	0.2%	0.3%	0.3%	0.3%	0.3%	0.3%

Licensee Comments: none

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



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

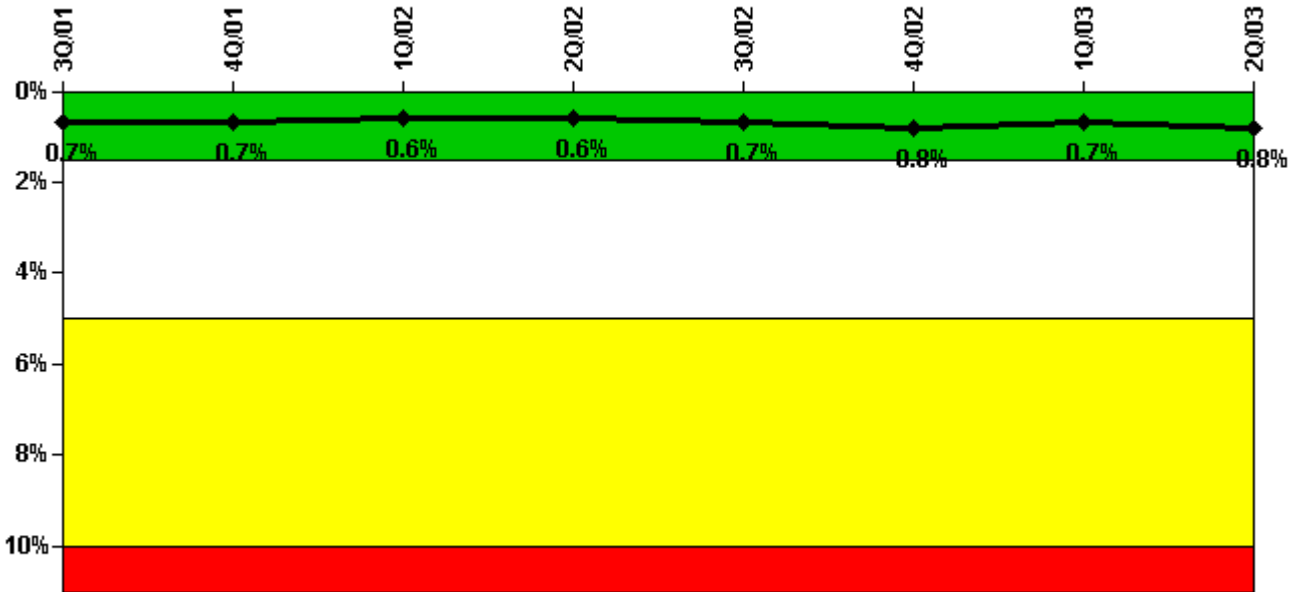
### Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
<b>Train 1</b>								
Planned unavailable hours	2.55	3.72	16.75	24.96	8.67	39.08	21.87	11.27
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	1828.00	1464.00	2160.00	2183.00	2208.00	2209.00	1591.60	2183.00
<b>Train 2</b>								
Planned unavailable hours	8.76	0.25	11.25	16.08	47.84	1.93	43.87	15.43
Unplanned unavailable hours	0	0	0	6.30	0	1.07	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	1828.00	1464.00	2160.00	2183.00	2208.00	2209.00	1591.60	2183.00
<b>Train 3</b>								

Planned unavailable hours	14.04	3.17	33.40	20.00	13.92	0.68	7.02	19.47
Unplanned unavailable hours	0	0	0	0	0	14.75	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	1828.00	1464.00	2160.00	2183.00	2208.00	2209.00	1591.60	2183.00
Indicator value	1.1%	1.1%	1.1%	1.0%	1.0%	0.9%	0.9%	0.8%

Licensee Comments: none

### Safety System Unavailability, Residual Heat Removal System



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

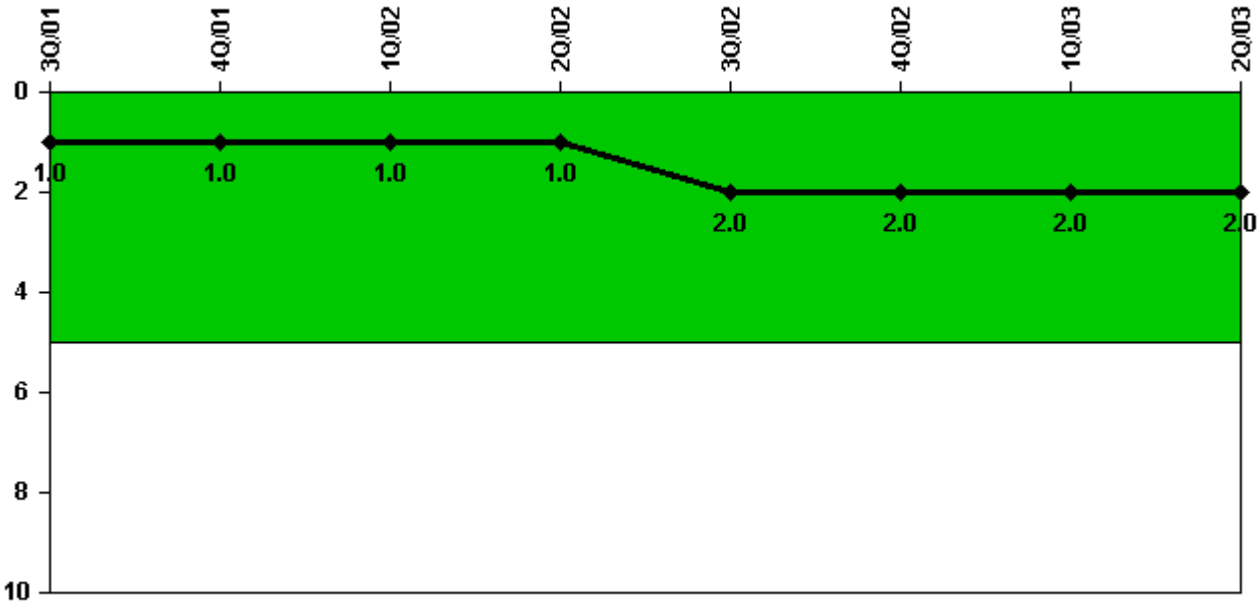
### Notes

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	0.50	5.13	0	25.90	0	23.20	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	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
<b>Train 2</b>								
Planned unavailable hours	0.17	0	26.72	13.20	0	26.00	60.50	83.10
Unplanned unavailable hours	0	0	0	32.50	58.80	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	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	0.7%	0.7%	0.6%	0.6%	0.7%	0.8%	0.7%	0.8%

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

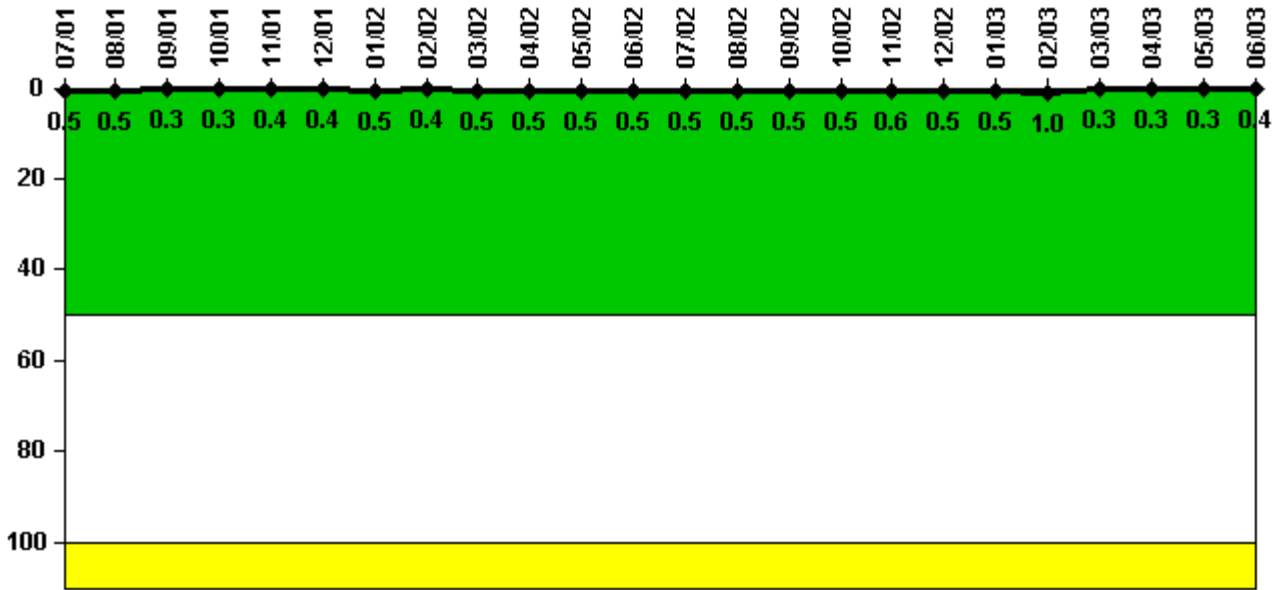
### Notes

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	1	0	0	1
Indicator value	1	1	1	1	2	2	2	2

Licensee Comments: none



### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

**Notes**

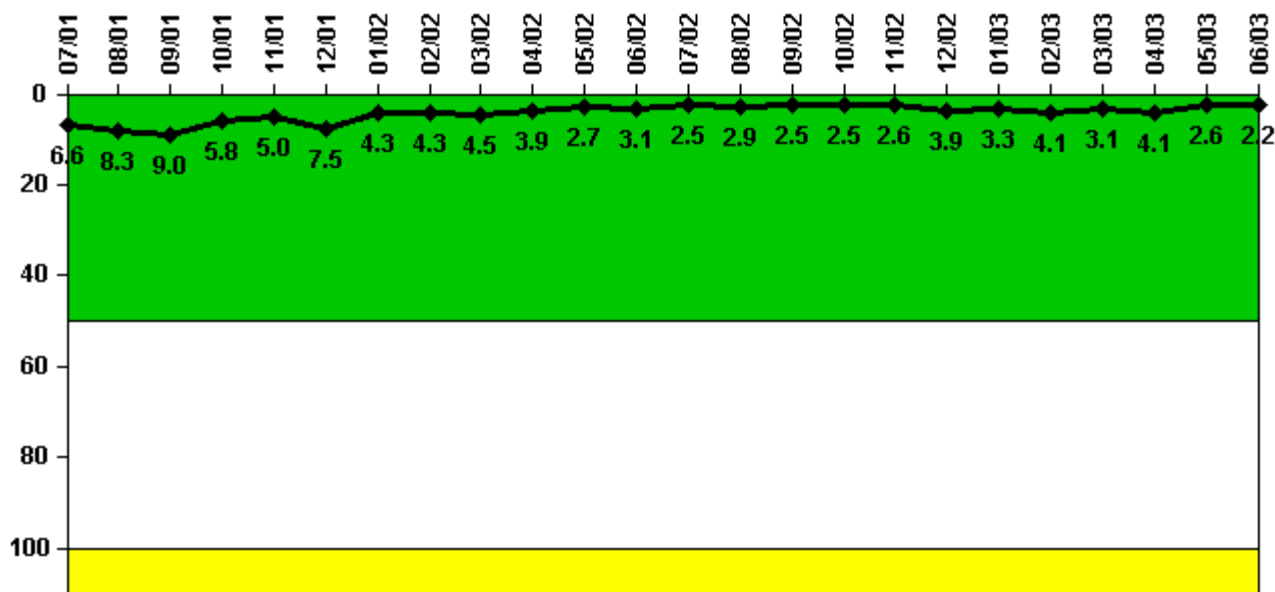
Reactor Coolant System Activity	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum activity	0.000300	0.000300	0.000200	0.000170	0.000260	0.000270	0.000290	0.000280	0.000310	0.000340	0.000290	0.000310
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.5	0.5	0.3	0.3	0.4	0.4	0.5	0.4	0.5	0.5	0.5	0.5

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	0.000330	0.000320	0.000340	0.000350	0.000380	0.000350	0.000340	0.000622	0.000170	0.000190	0.000213	0.000245
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.5	0.5	0.5	0.5	0.6	0.5	0.5	1.0	0.3	0.3	0.3	0.4

Licensee Comments: none

### Reactor Coolant System Leakage



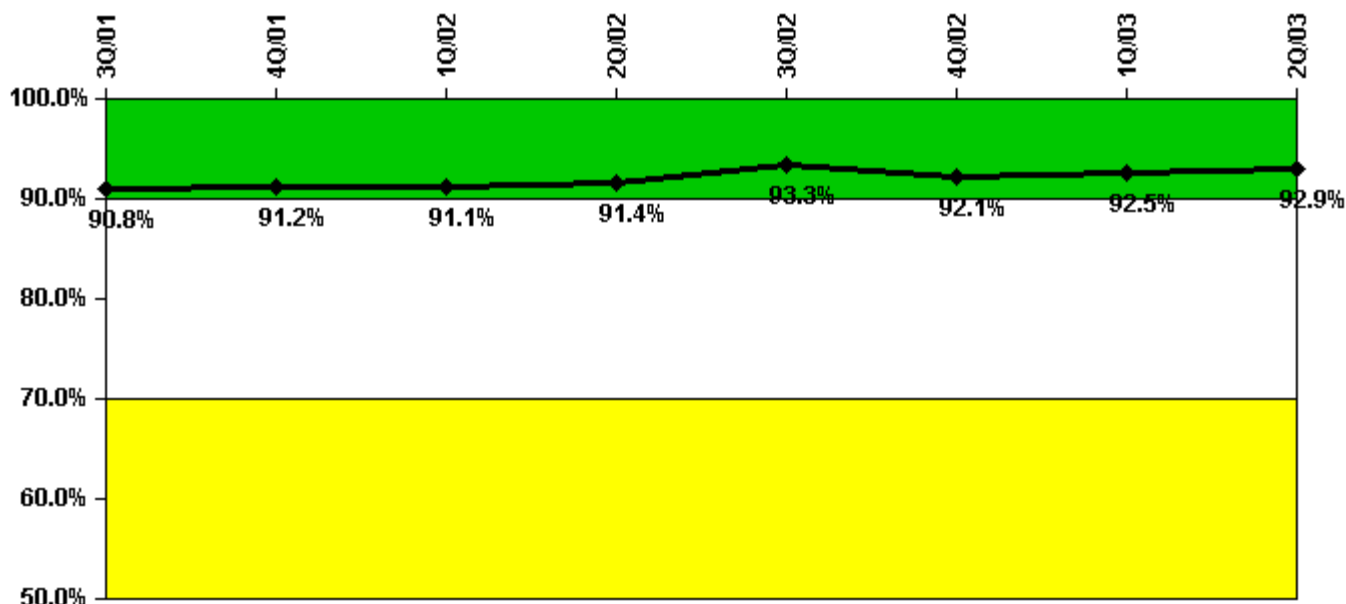
Thresholds: White > 50.0 Yellow > 100.0

#### 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	0.659	0.833	0.898	0.577	0.497	0.747	0.428	0.430	0.449	0.391	0.271	0.307
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	6.6	8.3	9.0	5.8	5.0	7.5	4.3	4.3	4.5	3.9	2.7	3.1
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	0.250	0.288	0.251	0.253	0.256	0.387	0.332	0.409	0.314	0.406	0.260	0.220
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	2.5	2.9	2.5	2.5	2.6	3.9	3.3	4.1	3.1	4.1	2.6	2.2

Licensee Comments: none

### Drill/Exercise Performance



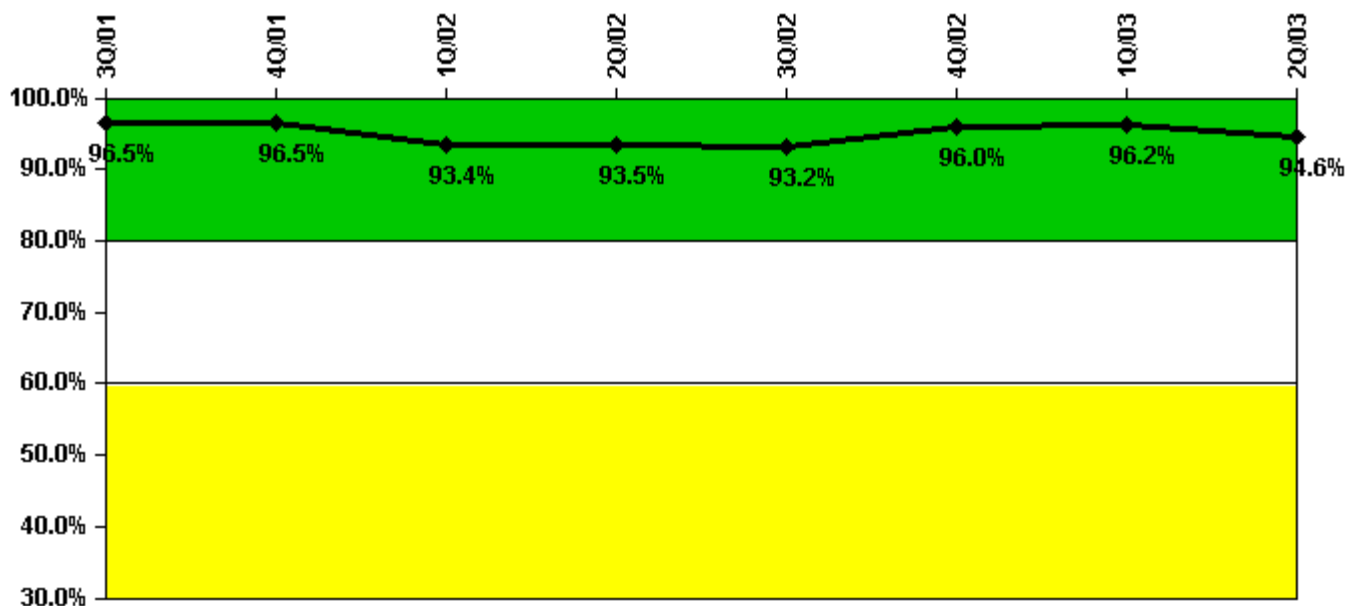
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful opportunities	111.0	12.0	16.0	8.0	71.0	40.0	18.0	26.0
Total opportunities	125.0	12.0	16.0	8.0	74.0	46.0	18.0	26.0
Indicator value	90.8%	91.2%	91.1%	91.4%	93.3%	92.1%	92.5%	92.9%

Licensee Comments: none

### ERO Drill Participation



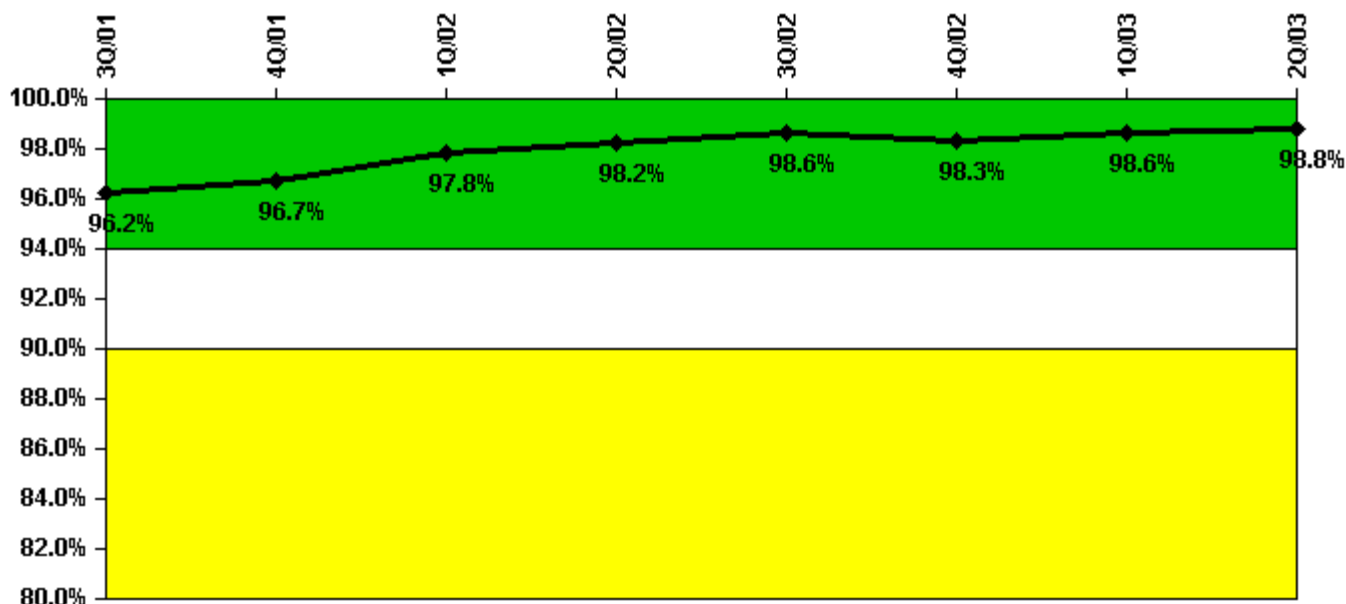
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Participating Key personnel	192.0	191.0	184.0	186.0	177.0	192.0	177.0	175.0
Total Key personnel	199.0	198.0	197.0	199.0	190.0	200.0	184.0	185.0
Indicator value	96.5%	96.5%	93.4%	93.5%	93.2%	96.0%	96.2%	94.6%

Licensee Comments: none

### Alert & Notification System



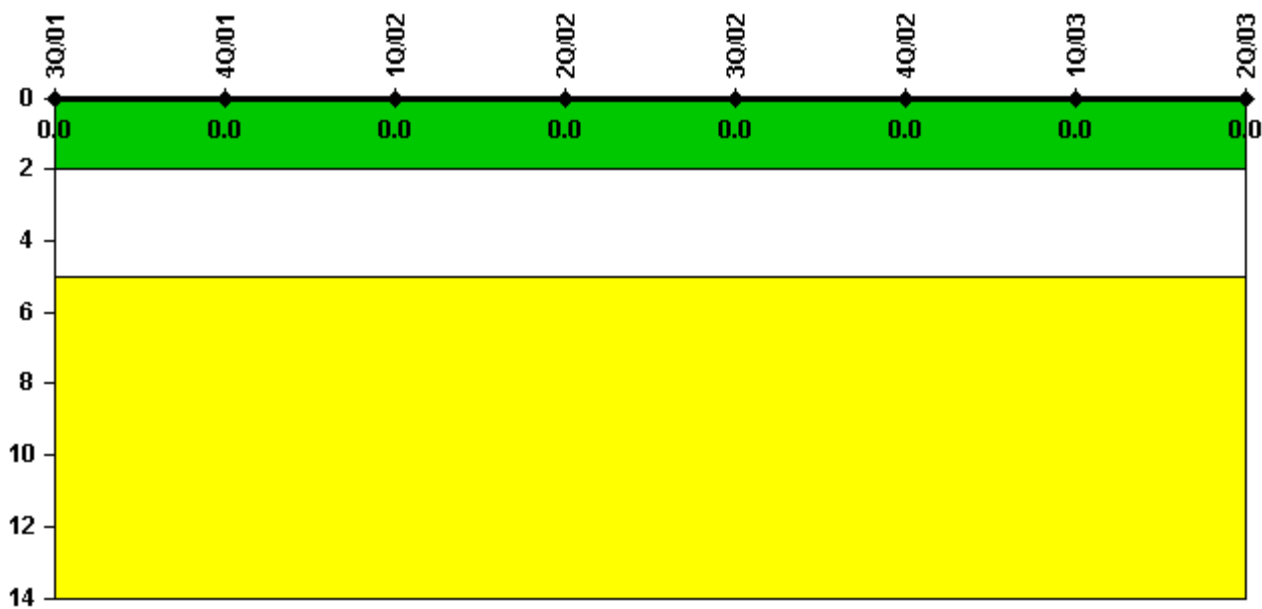
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful siren-tests	2208	2162	2337	2253	2251	2248	2220	2386
Total sirens-tests	2275	2186	2375	2288	2281	2302	2225	2403
Indicator value	96.2%	96.7%	97.8%	98.2%	98.6%	98.3%	98.6%	98.8%

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	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	0	0	0	0	0	0	0	0

Licensee Comments: none

### RETS/ODCM Radiological Effluent



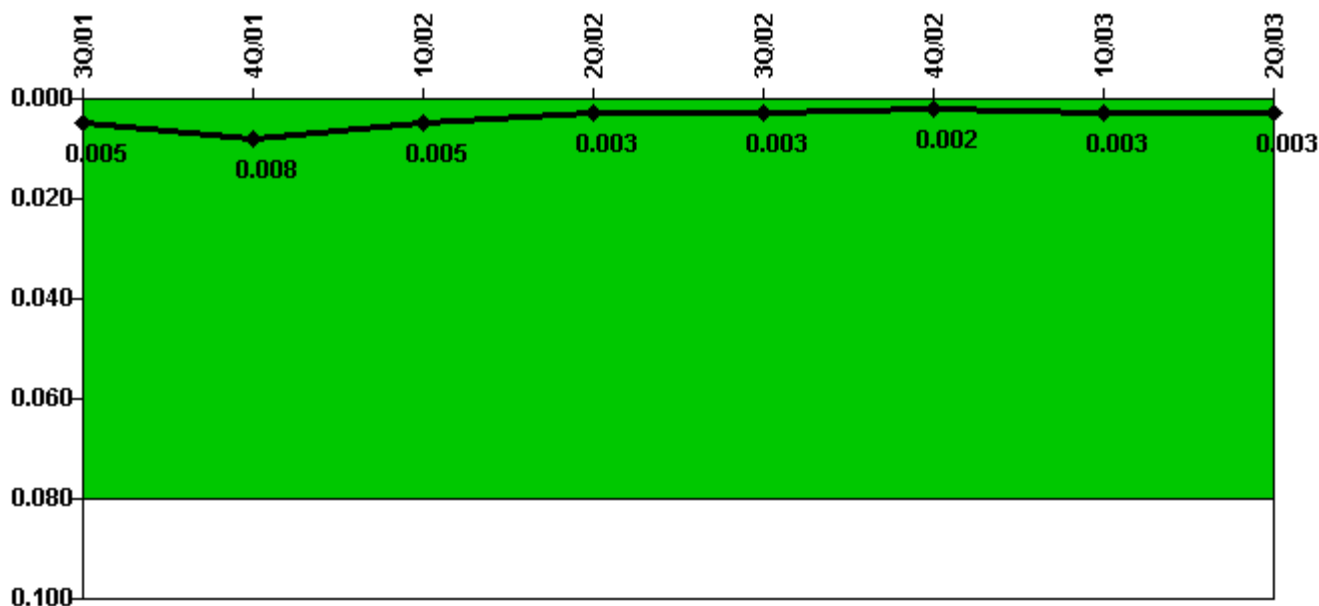
Thresholds: White > 1.0 Yellow > 3.0

#### 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

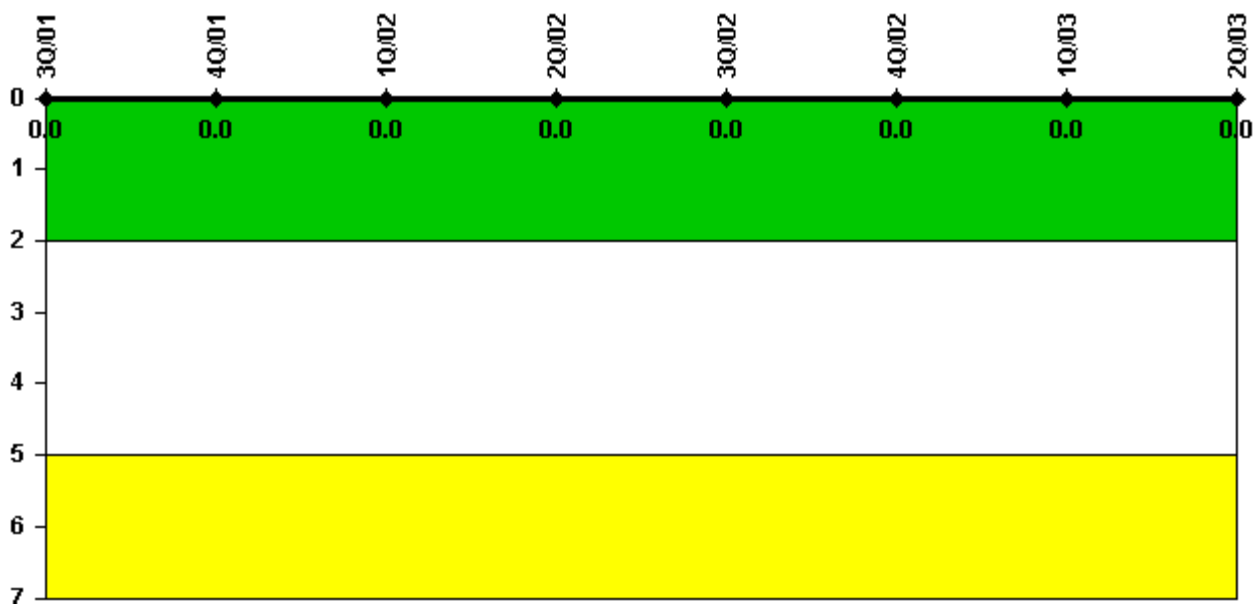
#### Notes

Protected Area Security Performance Index	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
IDS compensatory hours	12.10	93.50	20.00	5.10	2.10	62.30	29.00	28.50
CCTV compensatory hours	0	2.5	0	0	0	0	3.6	0
IDS normalization factor	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.005	0.008	0.005	0.003	0.003	0.002	0.003	0.003

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

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

Last Modified: July 22, 2003