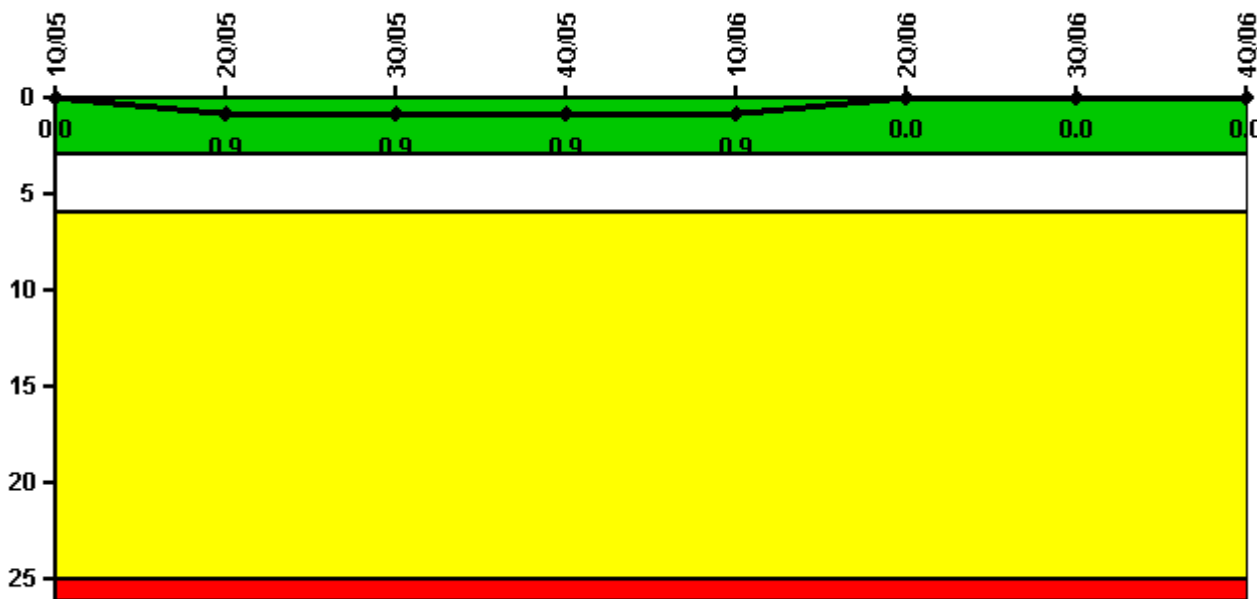


# D.C. Cook 1

## 4Q/2006 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



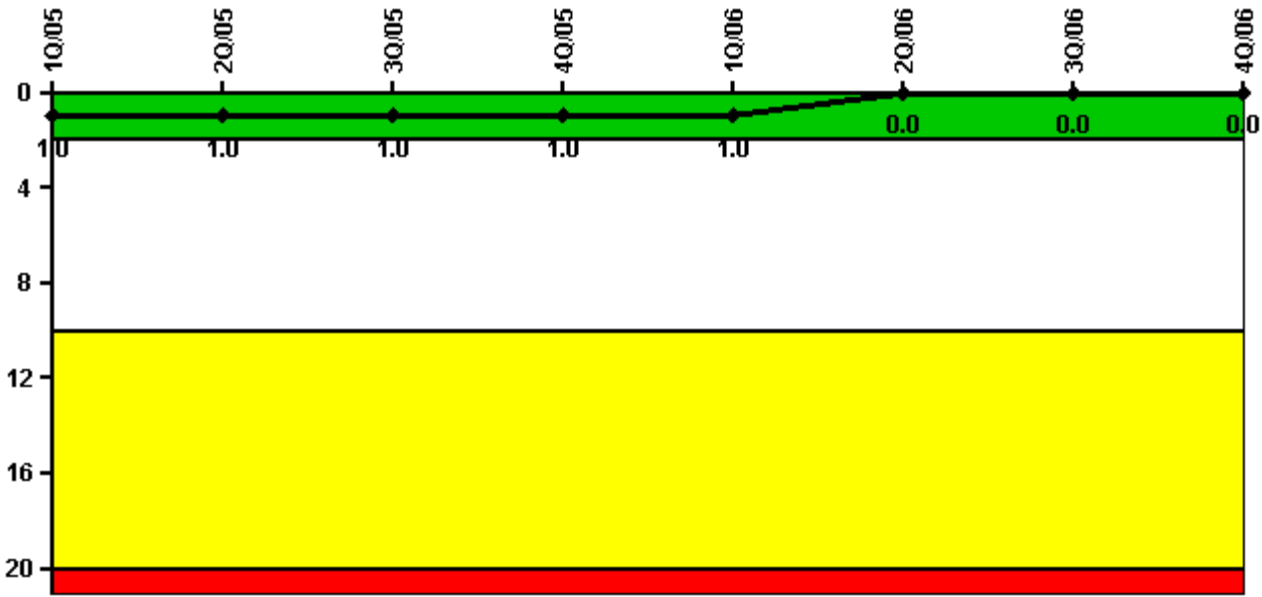
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2016.2	1584.6	2190.6	2209.0	2160.0	2183.0	1770.8	1244.3
Indicator value	0	0.9	0.9	0.9	0.9	0	0	0

Licensee Comments: none

### Scrams with Loss of Normal Heat Removal



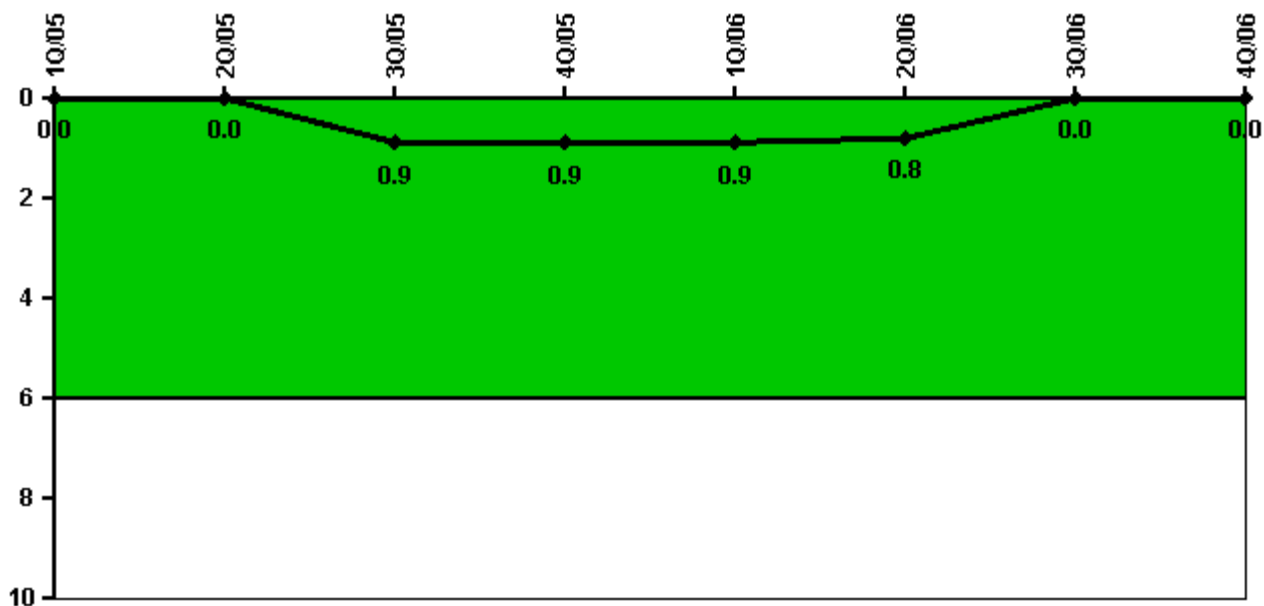
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

#### Notes

Scrams with Loss of Normal Heat Removal	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Scrams	0	0	0	0	0	0	0	0
Indicator value	1.0	1.0	1.0	1.0	1.0	0	0	0

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



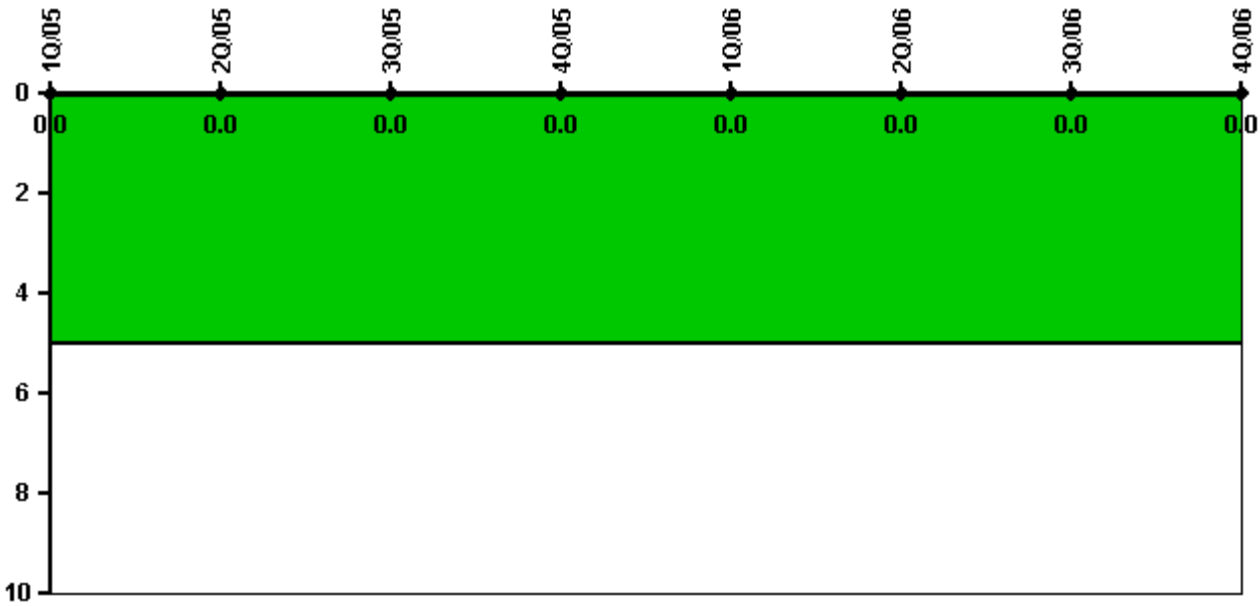
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2016.2	1584.6	2190.6	2209.0	2160.0	2183.0	1770.8	1244.3
Indicator value	0	0	0.9	0.9	0.9	0.8	0	0

Licensee Comments: none

### Safety System Functional Failures (PWR)



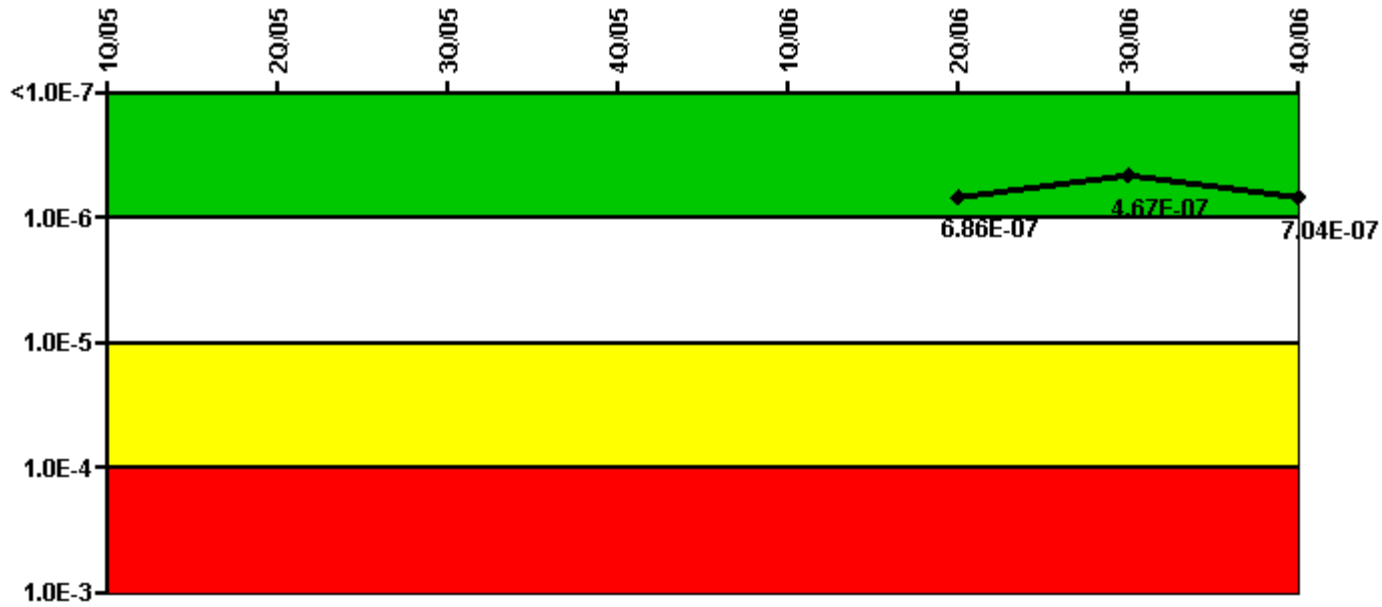
Thresholds: White > 5.0

#### Notes

Safety System Functional Failures (PWR)	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
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

### Mitigating Systems Performance Index, Emergency AC Power System



Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

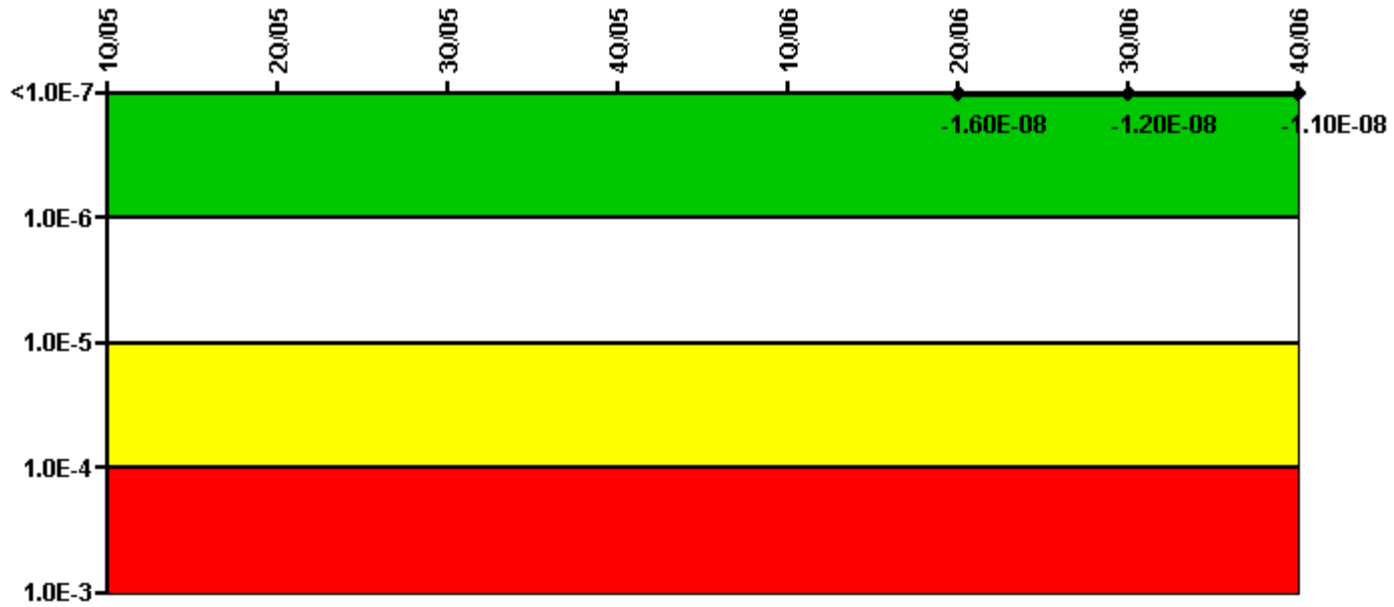
#### Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI ( $\Delta$ CDF)						1.60E-08	6.80E-09	1.40E-08
URI ( $\Delta$ CDF)						6.70E-07	4.60E-07	6.90E-07
PLE						NO	NO	NO
Indicator value						6.86E-07	4.67E-07	7.04E-07

#### Licensee Comments:

4Q/06: During Refueling Outage U1C21 testing activities, a defective multi-meter resulted in two failure to load run events. These events are conservatively counted in this performance indicator and a frequently asked question will be initiated to determine if it is appropriate to count these events against this performance indicator.

### Mitigating Systems Performance Index, High Pressure Injection System



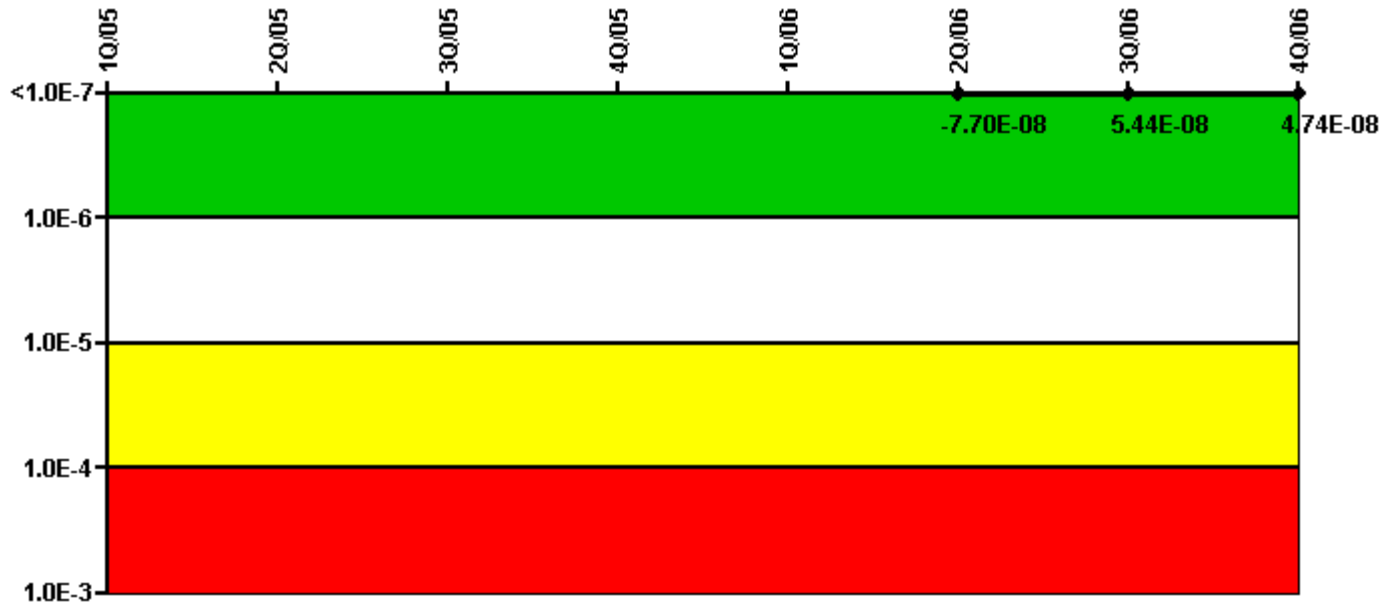
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI ( $\Delta$ CDF)						1.20E-08	1.70E-08	1.50E-08
URI ( $\Delta$ CDF)						-2.80E-08	-2.90E-08	-2.60E-08
PLE						NO	NO	NO
Indicator value						-1.60E-08	-1.20E-08	-1.10E-08

Licensee Comments: none

### Mitigating Systems Performance Index, Heat Removal System



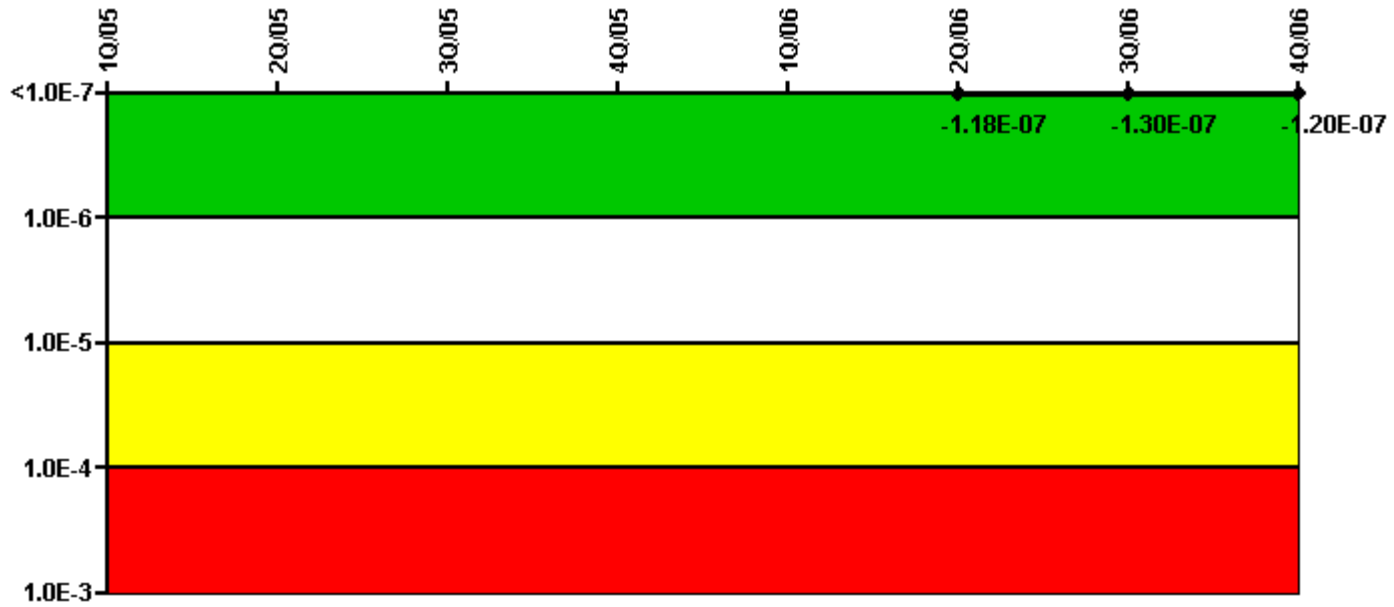
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

**Notes**

Mitigating Systems Performance Index, Heat Removal System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						-1.90E-08	-8.60E-09	-9.60E-09
URI (ΔCDF)						-5.80E-08	6.30E-08	5.70E-08
PLE						NO	NO	NO
Indicator value						-7.70E-08	5.44E-08	4.74E-08

Licensee Comments: none

### Mitigating Systems Performance Index, Residual Heat Removal System



Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

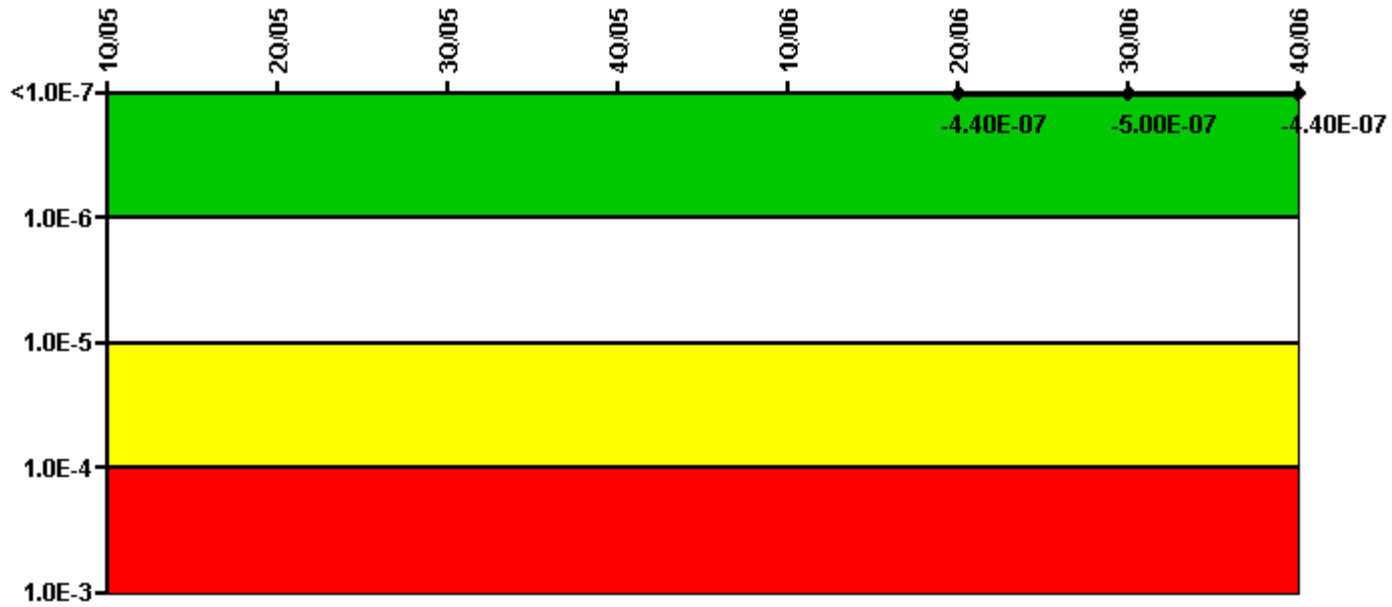
**Notes**

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI ( $\Delta$ CDF)						1.90E-09	3.40E-10	3.10E-10
URI ( $\Delta$ CDF)						-1.20E-07	-1.30E-07	-1.20E-07
PLE						NO	NO	NO
Indicator value						-1.18E-07	-1.30E-07	-1.20E-07

Licensee Comments: none



### Mitigating Systems Performance Index, Cooling Water Systems



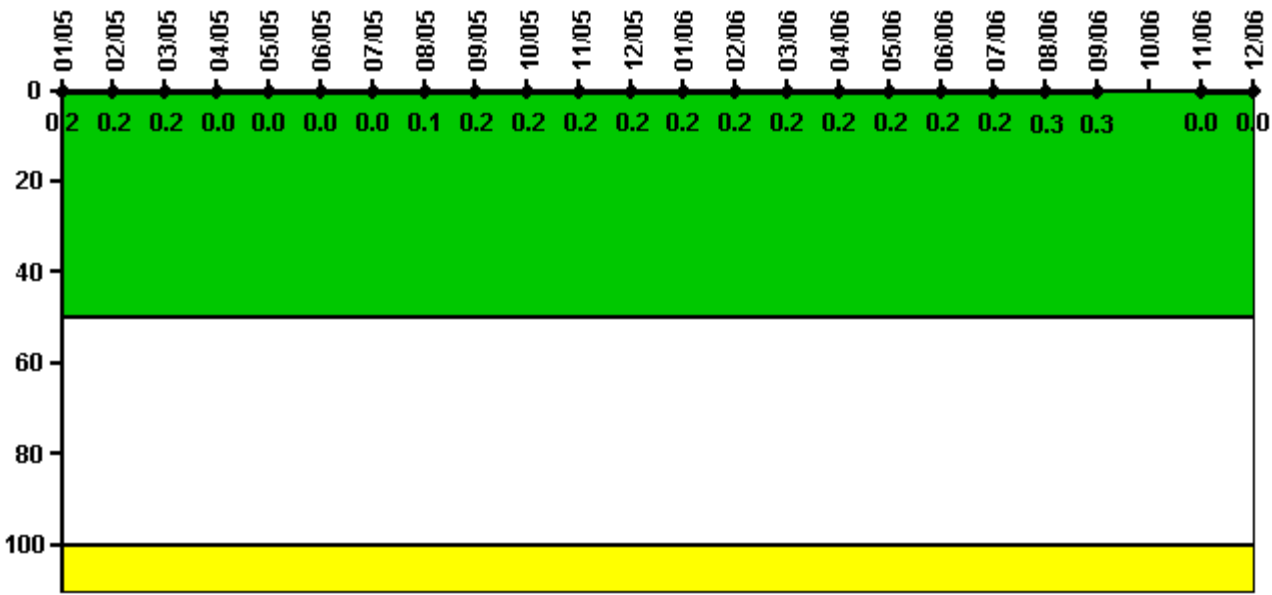
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						-2.20E-07	-2.70E-07	-2.40E-07
URI (ΔCDF)						-2.20E-07	-2.30E-07	-2.00E-07
PLE						NO	NO	NO
Indicator value						-4.40E-07	-5.00E-07	-4.40E-07

Licensee Comments: none

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

**Notes**

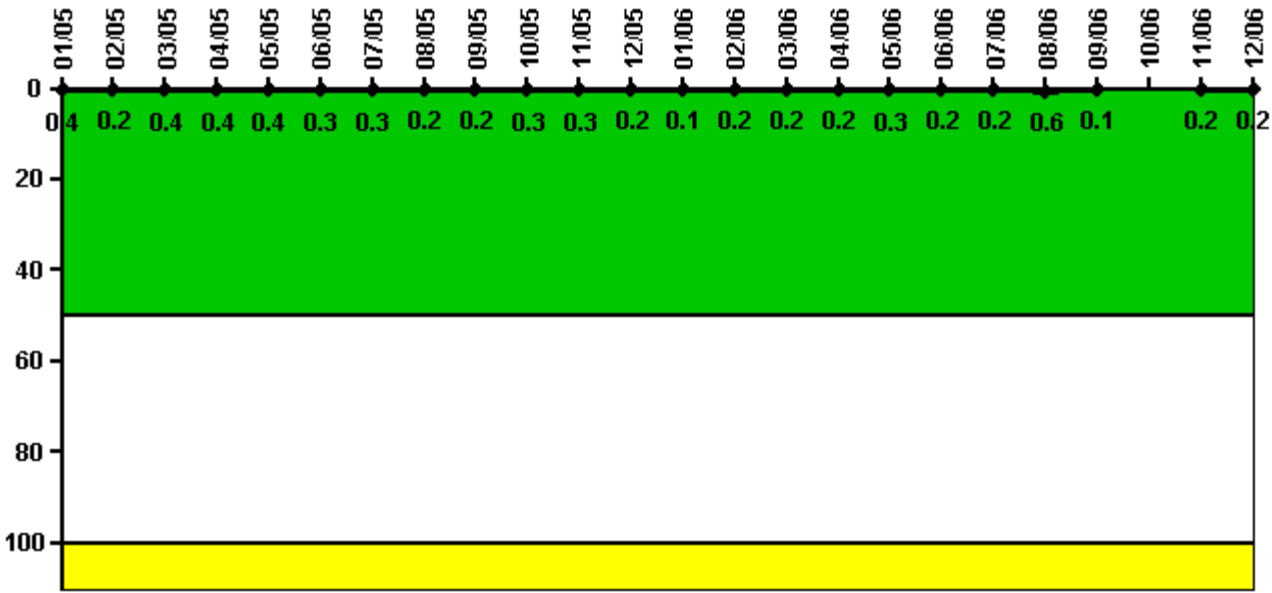
Reactor Coolant System Activity	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum activity	0.001810	0.001790	0.001920	0.000165	0.000276	0.000230	0.000251	0.001440	0.001710	0.001520	0.001690	0.001750
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.2	0.2	0.2	0	0	0	0	0.1	0.2	0.2	0.2	0.2

Reactor Coolant System Activity	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum activity	0.001600	0.001560	0.001720	0.001700	0.001670	0.001690	0.001770	0.002510	0.003170	N/A	0.000353	0.000429
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	0.3	0.3	N/A	0	0

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

**Notes**

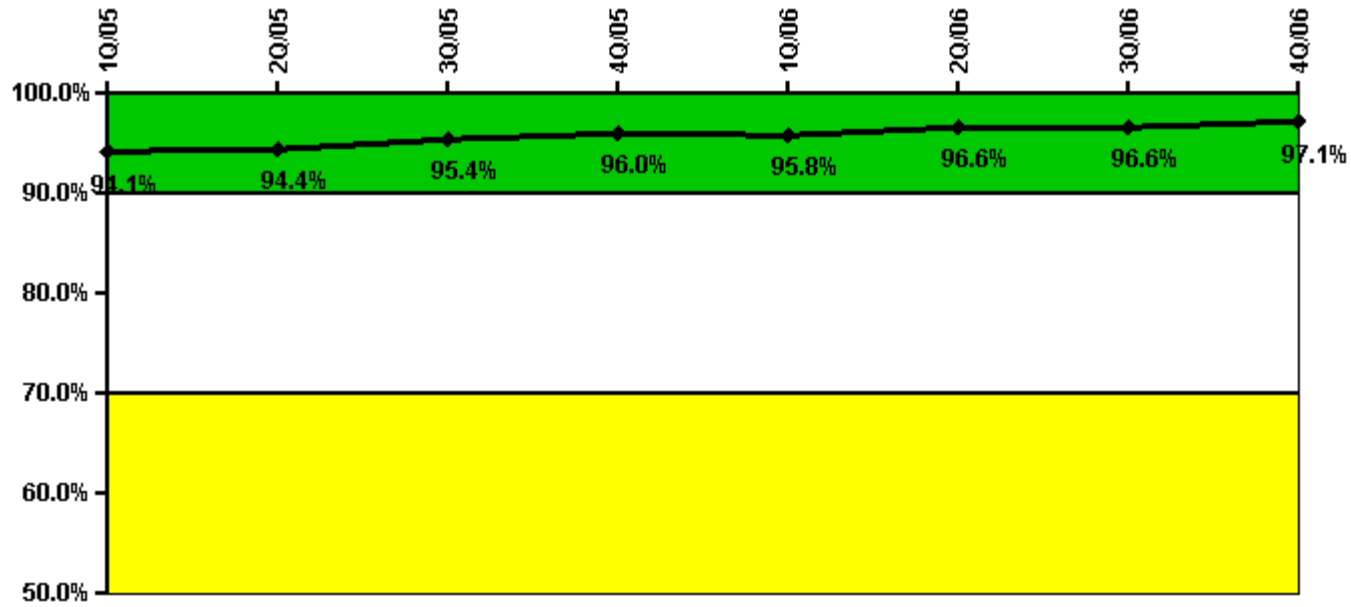
Reactor Coolant System Leakage	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum leakage	0.039	0.018	0.040	0.044	0.041	0.028	0.033	0.019	0.020	0.034	0.033	0.018
Technical specification limit	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
Indicator value	0.4	0.2	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.3	0.3	0.2

Reactor Coolant System Leakage	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum leakage	0.016	0.018	0.018	0.019	0.033	0.025	0.020	0.063	0.016	N/A	0.026	0.017
Technical specification limit	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
Indicator value	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.6	0.1	N/A	0.2	0.2

Licensee Comments: none

### Drill/Exercise Performance



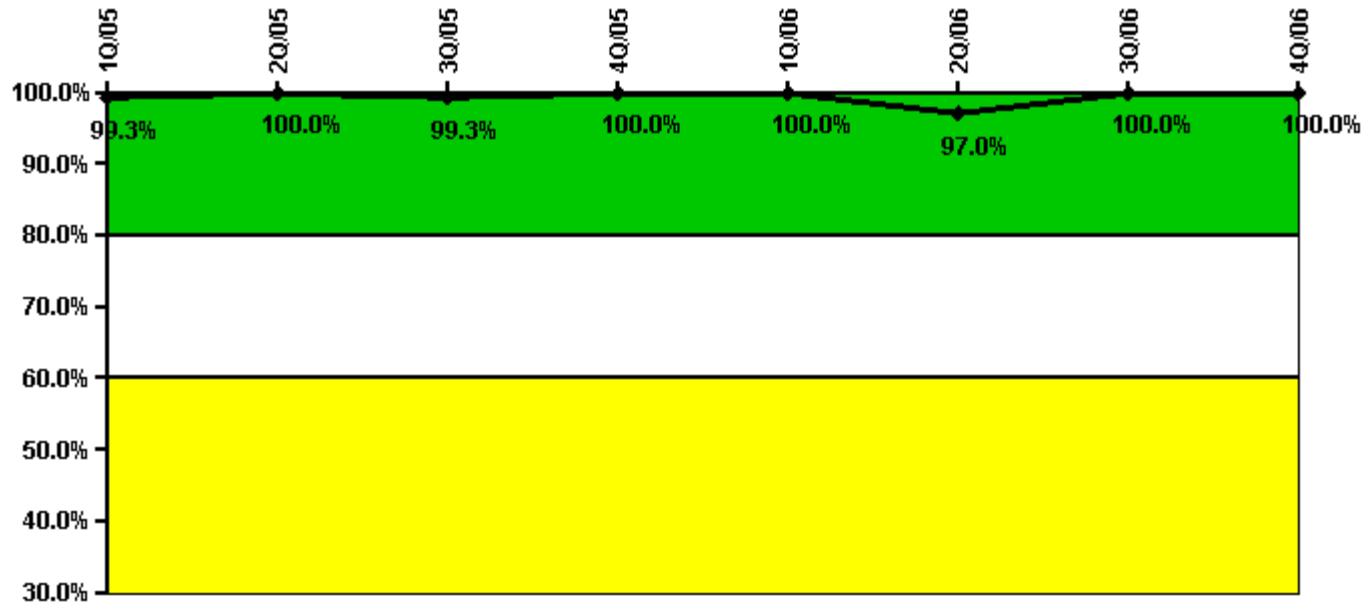
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful opportunities	89.0	87.0	108.0	58.0	78.0	84.0	57.0	130.0
Total opportunities	93.0	91.0	112.0	59.0	82.0	85.0	60.0	130.0
Indicator value	94.1%	94.4%	95.4%	96.0%	95.8%	96.6%	96.6%	97.1%

Licensee Comments: none

### ERO Drill Participation



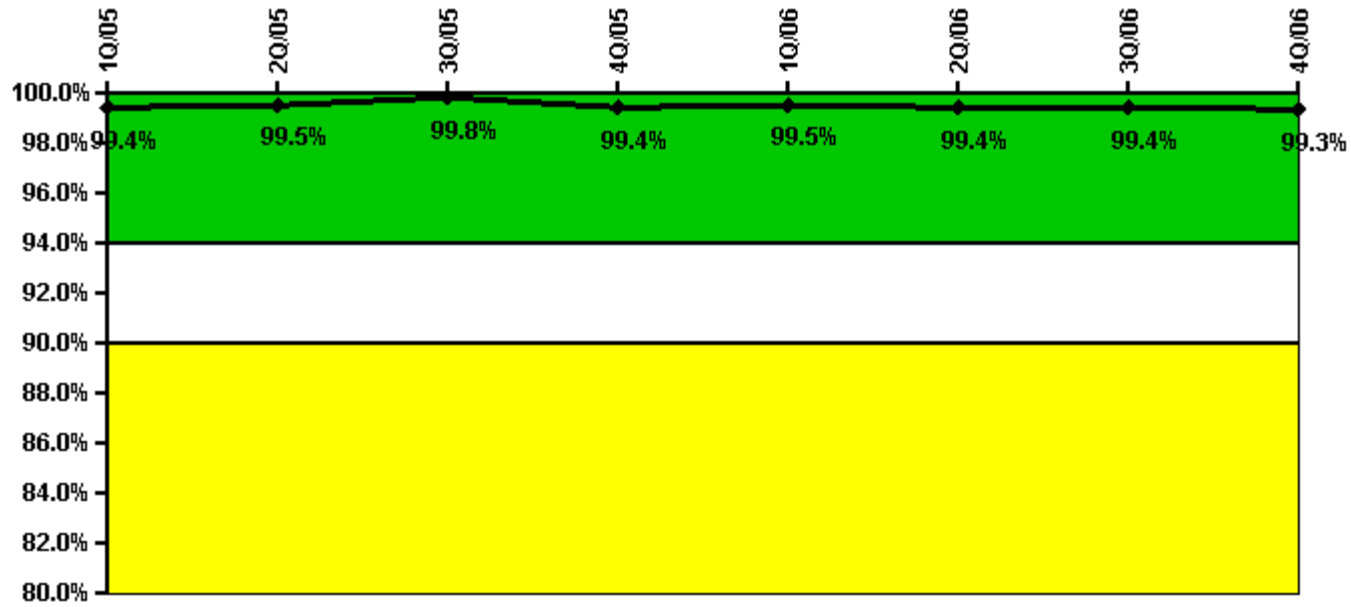
Thresholds: White < 80.0% Yellow < 60.0%

**Notes**

ERO Drill Participation	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Participating Key personnel	151.0	146.0	147.0	144.0	147.0	159.0	157.0	157.0
Total Key personnel	152.0	146.0	148.0	144.0	147.0	164.0	157.0	157.0
Indicator value	99.3%	100.0%	99.3%	100.0%	100.0%	97.0%	100.0%	100.0%

Licensee Comments: none

### Alert & Notification System



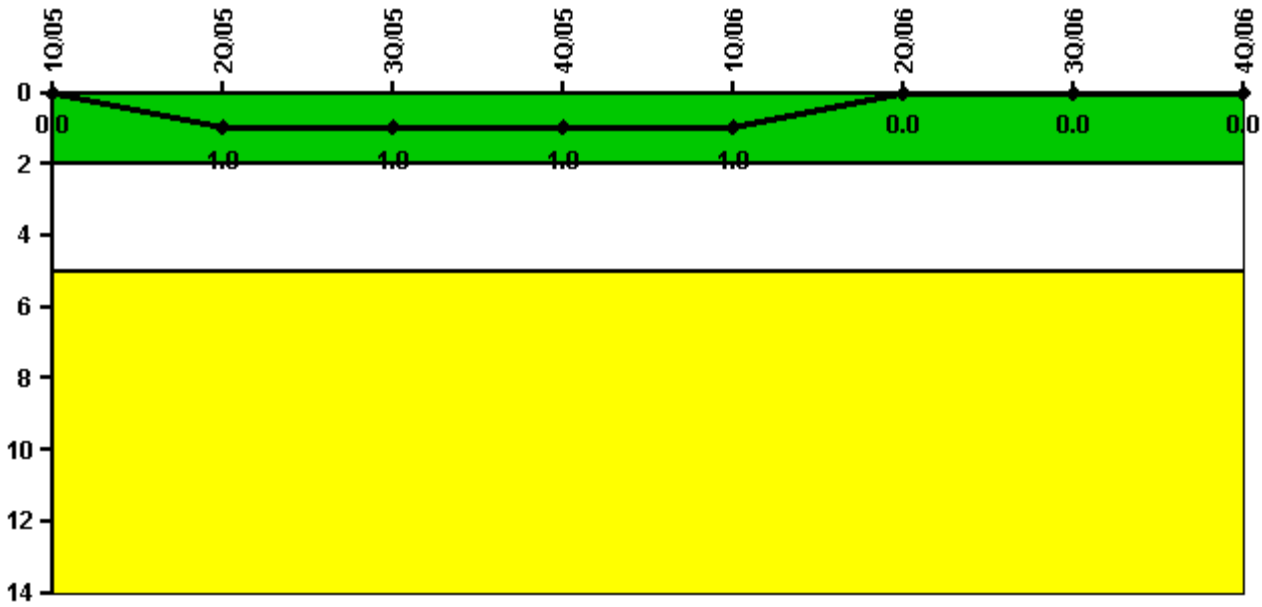
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful siren-tests	209	209	210	207	210	208	210	206
Total sirens-tests	210	210	210	210	210	210	210	210
Indicator value	99.4%	99.5%	99.8%	99.4%	99.5%	99.4%	99.4%	99.3%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

**Notes**

Occupational Exposure Control Effectiveness	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
High radiation area occurrences	0	1	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
<b>Indicator value</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

#### Notes

RETS/ODCM Radiological Effluent	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
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.