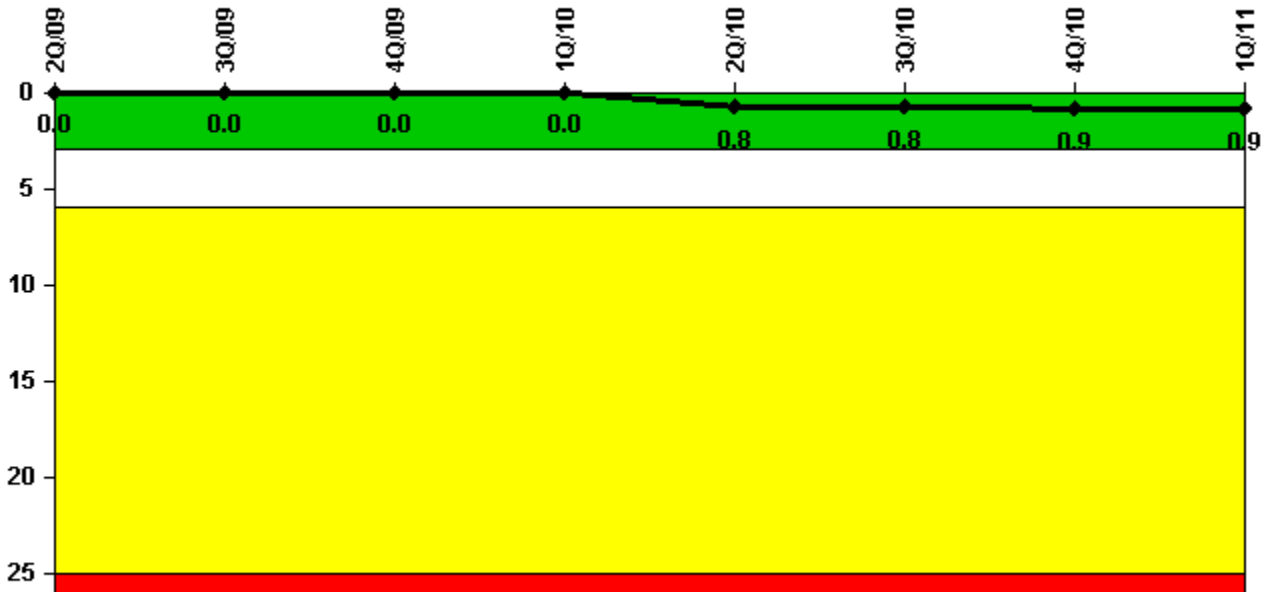


# Surry 1

## 1Q/2011 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



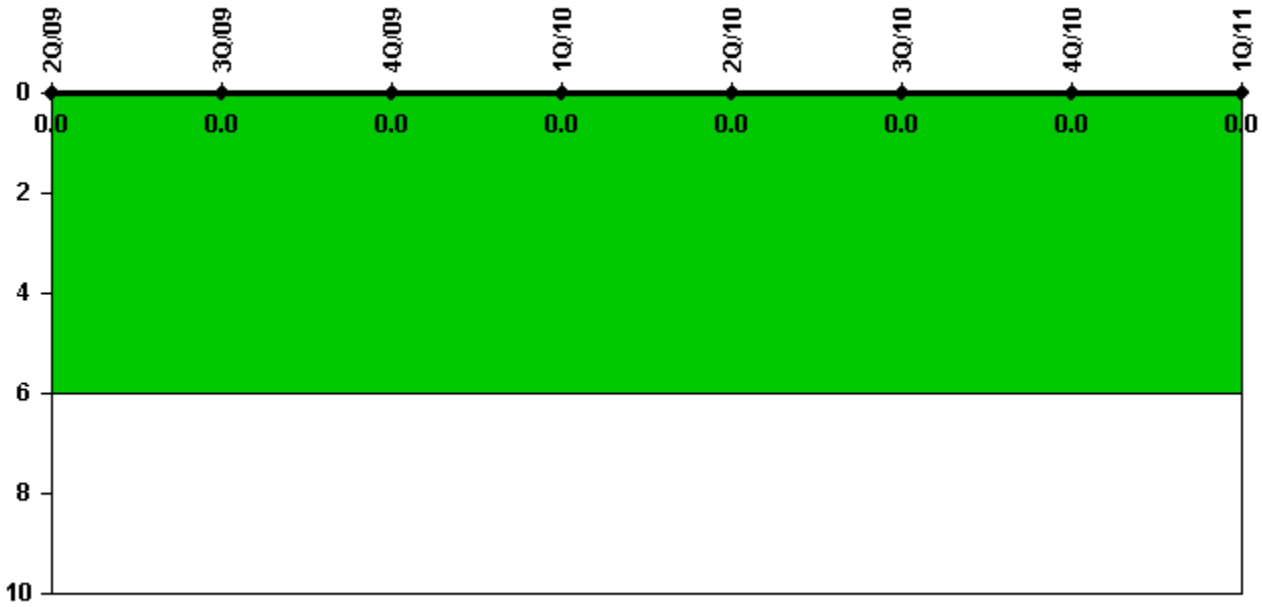
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	1655.9	2208.0	2209.0	2159.0	2107.0	2208.0	1290.0	2159.0
Indicator value	0	0	0	0	0.8	0.8	0.9	0.9

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

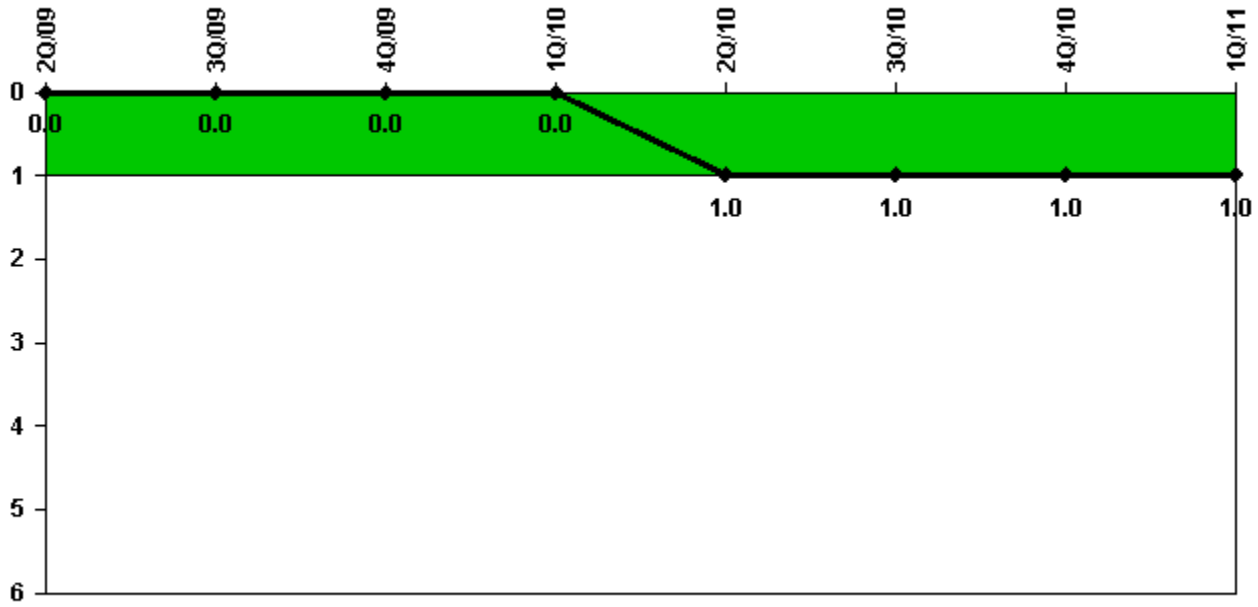
### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1655.9	2208.0	2209.0	2159.0	2107.0	2208.0	1290.0	2159.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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## Unplanned Scrams with Complications



Thresholds: White > 1.0

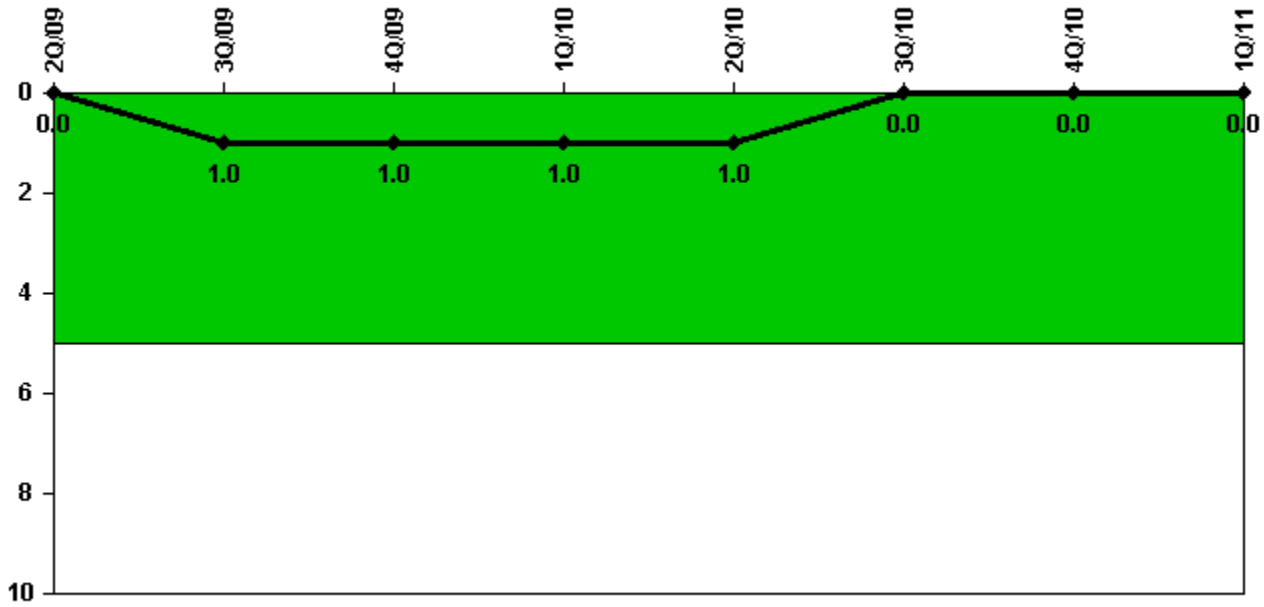
### Notes

Unplanned Scrams with Complications	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Scrams with complications	0	0	0	0	1.0	0	0	0
Indicator value	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0

Licensee Comments: none

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## Safety System Functional Failures (PWR)



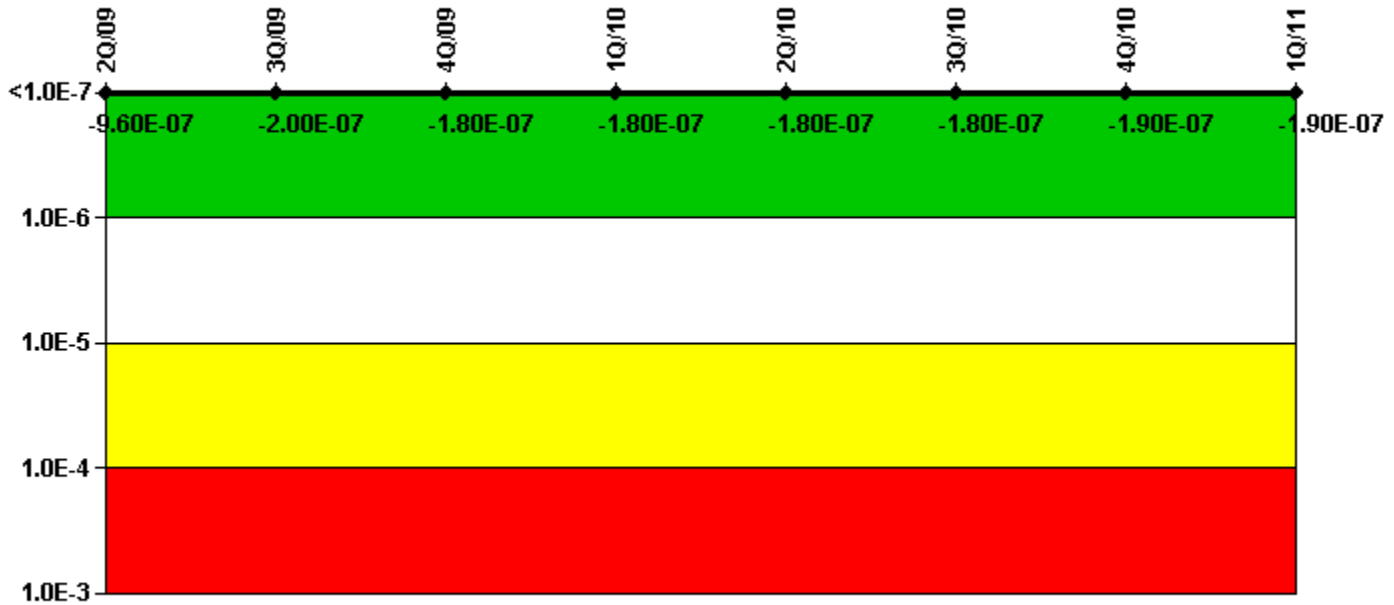
Thresholds: White > 5.0

### Notes

Safety System Functional Failures (PWR)	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Safety System Functional Failures	0	1	0	0	0	0	0	0
Indicator value	0	1	1	1	1	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	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI ( $\Delta$ CDF)	-2.00E-07	-1.37E-08	-1.35E-08	-1.35E-08	-9.41E-09	-1.65E-08	-1.66E-08	-1.66E-08
URI ( $\Delta$ CDF)	-7.57E-07	-1.86E-07	-1.66E-07	-1.67E-07	-1.71E-07	-1.67E-07	-1.69E-07	-1.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.60E-07	-2.00E-07	-1.80E-07	-1.80E-07	-1.80E-07	-1.80E-07	-1.90E-07	-1.90E-07

Licensee Comments:

1Q/11: An NRC assessment identified several instances of unplanned unavailability and post maintenance test demands that were reported incorrectly. Historical data was corrected with no change in color.

# Mitigating Systems Performance Index, High Pressure Injection System



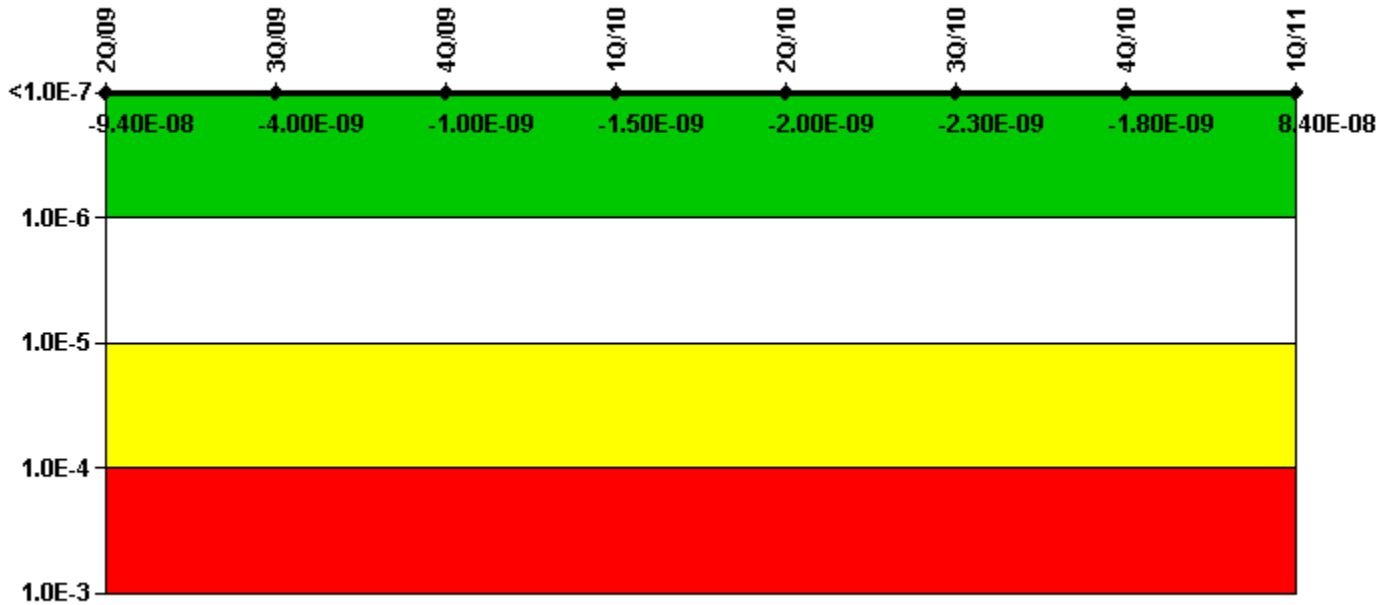
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI ( $\Delta$ CDF)	-2.00E-09	-1.30E-09	-7.40E-10	-8.32E-10	-8.32E-10	-8.32E-10	-8.32E-10	-8.32E-10
URI ( $\Delta$ CDF)	-3.60E-08	-1.60E-08	-1.50E-08	-1.48E-08	-1.50E-08	-1.52E-08	-1.50E-08	-1.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.80E-08	-1.73E-08	-1.57E-08	-1.60E-08	-1.60E-08	-1.60E-08	-1.60E-08	-1.60E-08

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



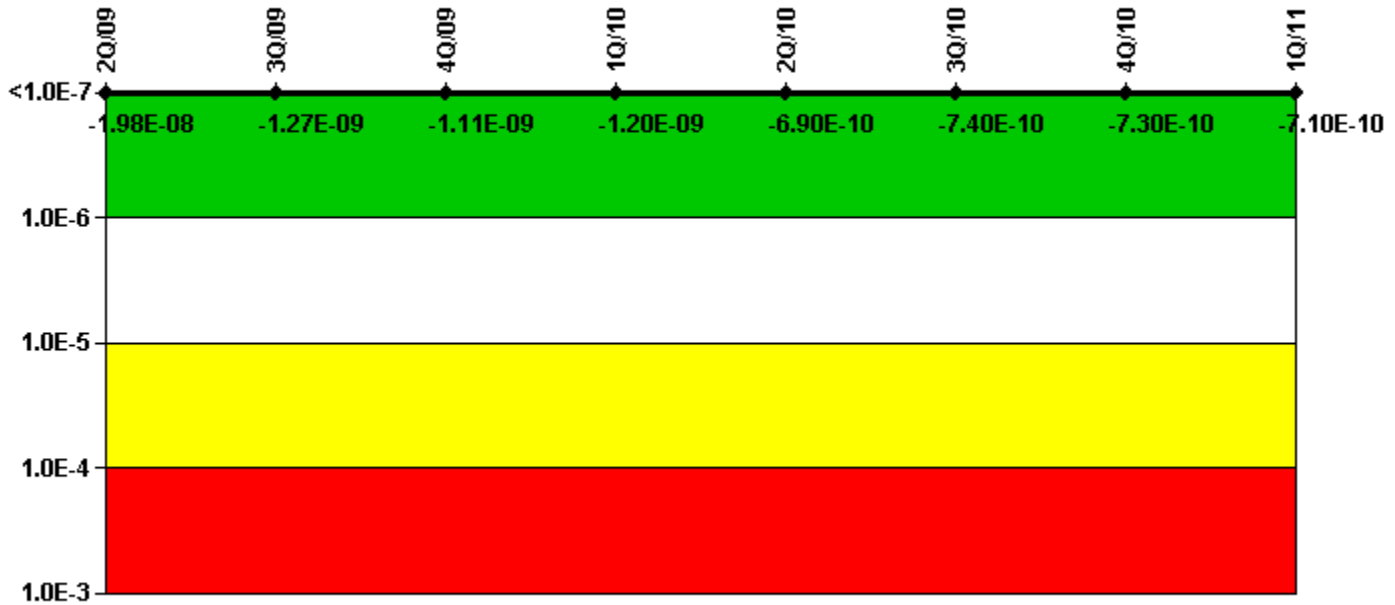
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI ( $\Delta$ CDF)	2.60E-08	1.40E-08	1.40E-08	1.37E-08	1.45E-08	1.36E-08	1.35E-08	1.44E-08
URI ( $\Delta$ CDF)	-1.20E-07	-1.80E-08	-1.50E-08	-1.53E-08	-1.65E-08	-1.59E-08	-1.53E-08	6.97E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.40E-08	-4.00E-09	-1.00E-09	-1.50E-09	-2.00E-09	-2.30E-09	-1.80E-09	8.40E-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

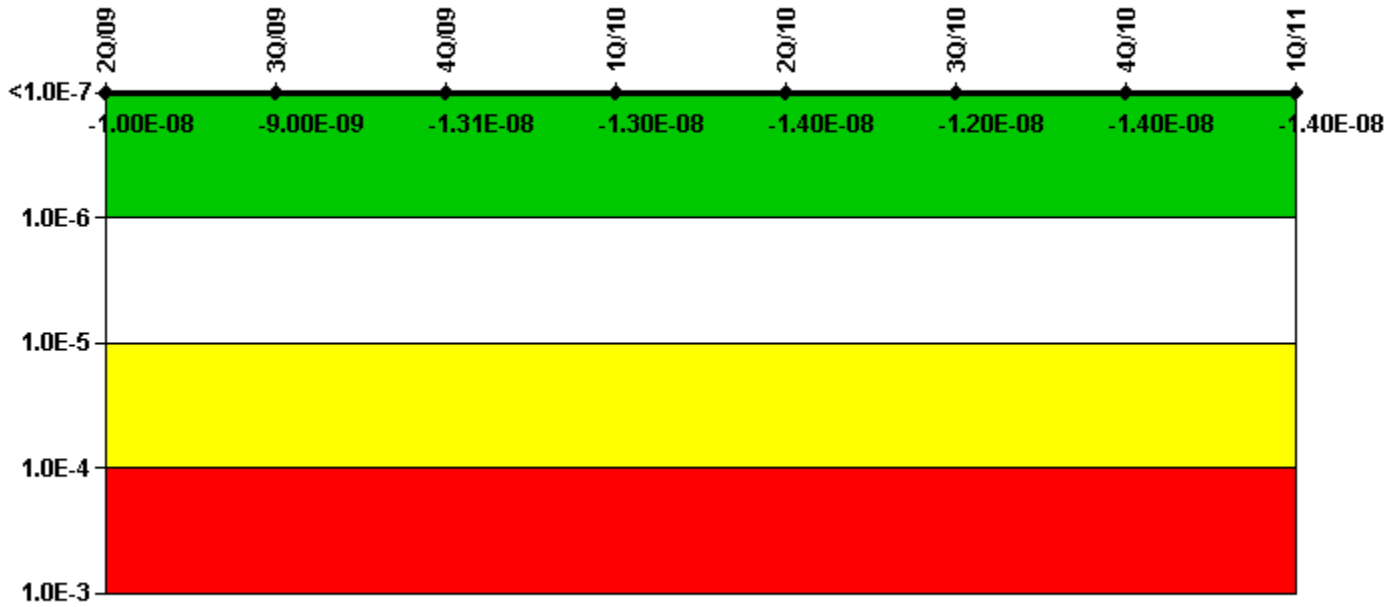
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI ( $\Delta$ CDF)	-2.80E-09	-1.70E-10	-1.70E-10	-2.70E-10	2.71E-10	2.14E-10	2.07E-10	2.25E-10
URI ( $\Delta$ CDF)	-1.70E-08	-1.10E-09	-9.40E-10	-9.10E-10	-9.57E-10	-9.57E-10	-9.35E-10	-9.35E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.98E-08	-1.27E-09	-1.11E-09	-1.20E-09	-6.90E-10	-7.40E-10	-7.30E-10	-7.10E-10

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



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

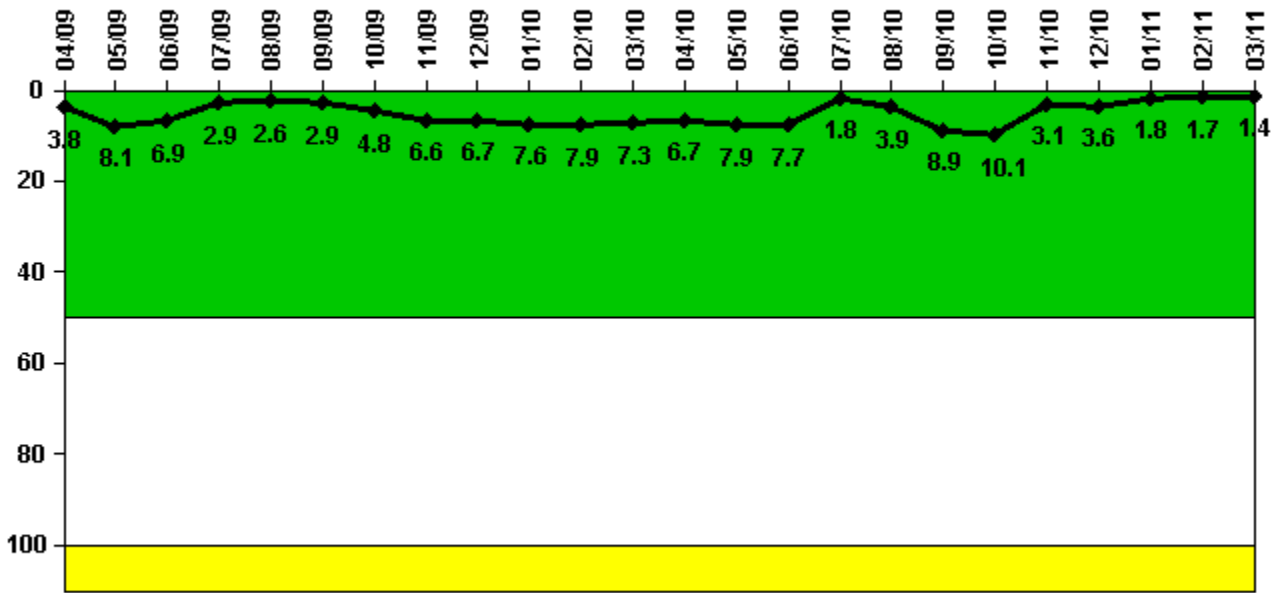
## Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI ( $\Delta$ CDF)	1.40E-07	1.10E-08	6.90E-09	6.88E-09	6.40E-09	7.35E-09	5.24E-09	5.56E-09
URI ( $\Delta$ CDF)	-1.50E-07	-2.00E-08	-2.00E-08	-1.98E-08	-2.01E-08	-1.94E-08	-1.97E-08	-1.97E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.00E-08	-9.00E-09	-1.31E-08	-1.30E-08	-1.40E-08	-1.20E-08	-1.40E-08	-1.40E-08

Licensee Comments: none



## Reactor Coolant System Leakage



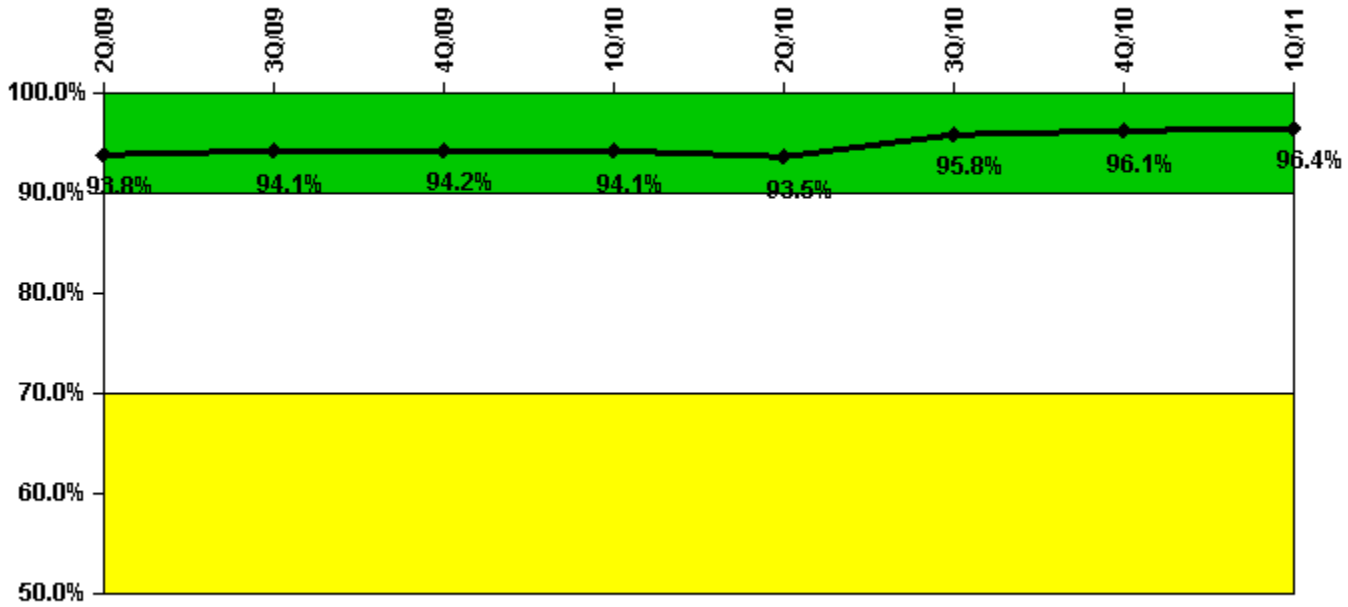
Thresholds: White > 50.0 Yellow > 100.0

### Notes

<b>Reactor Coolant System Leakage</b>	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum leakage	0.380	0.810	0.690	0.290	0.260	0.290	0.480	0.660	0.670	0.760	0.790	0.730
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	3.8	8.1	6.9	2.9	2.6	2.9	4.8	6.6	6.7	7.6	7.9	7.3
<b>Reactor Coolant System Leakage</b>	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum leakage	0.670	0.790	0.770	0.180	0.390	0.890	1.010	0.310	0.360	0.180	0.170	0.140
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	6.7	7.9	7.7	1.8	3.9	8.9	10.1	3.1	3.6	1.8	1.7	1.4

Licensee Comments: none

## Drill/Exercise Performance



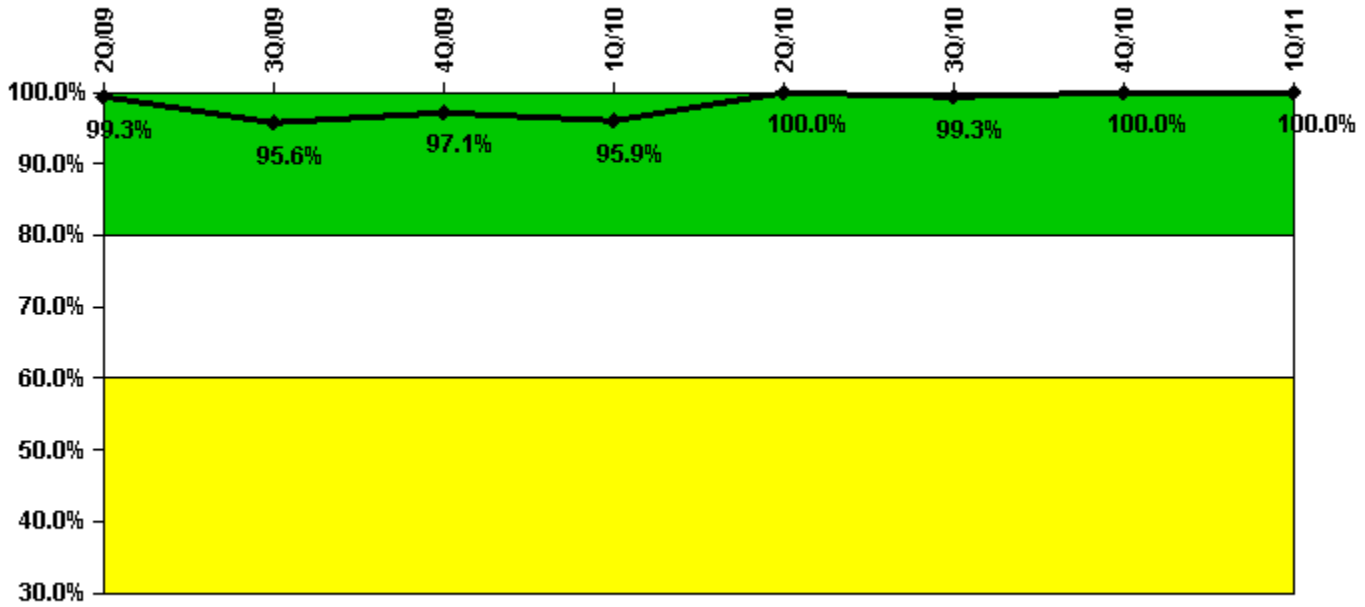
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful opportunities	36.0	20.0	26.0	38.0	33.0	41.0	15.0	31.0
Total opportunities	39.0	21.0	26.0	40.0	35.0	41.0	15.0	32.0
Indicator value	93.8%	94.1%	94.2%	94.1%	93.5%	95.8%	96.1%	96.4%

Licensee Comments: none

## ERO Drill Participation



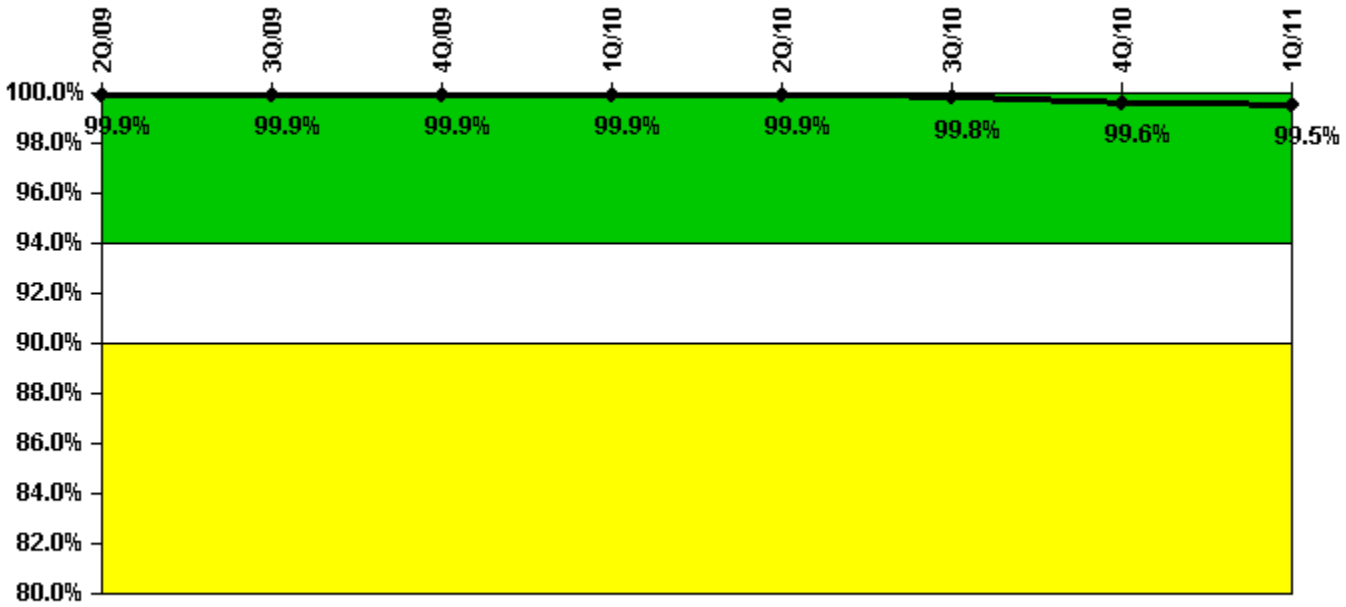
Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Participating Key personnel	136.0	130.0	135.0	142.0	145.0	143.0	128.0	132.0
Total Key personnel	137.0	136.0	139.0	148.0	145.0	144.0	128.0	132.0
Indicator value	99.3%	95.6%	97.1%	95.9%	100.0%	99.3%	100.0%	100.0%

Licensee Comments: none

# Alert & Notification System



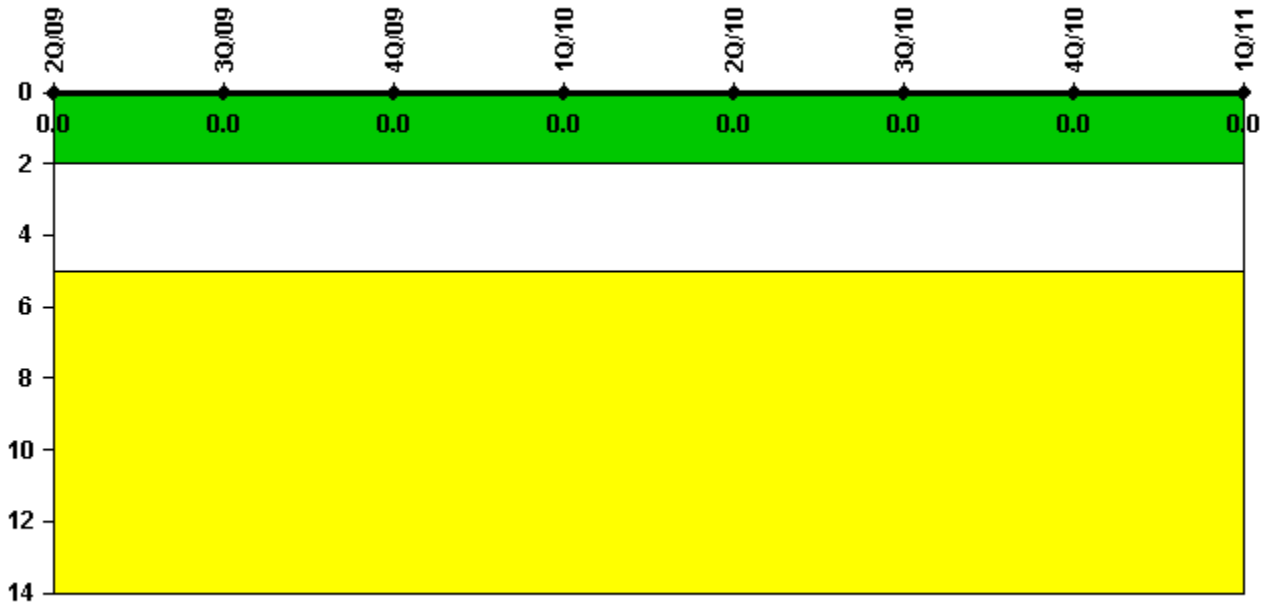
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful siren-tests	475	543	544	476	542	473	540	408
Total sirens-tests	476	544	544	476	544	476	544	408
Indicator value	99.9%	99.9%	99.9%	99.9%	99.9%	99.8%	99.6%	99.5%

Licensee Comments: none

## Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

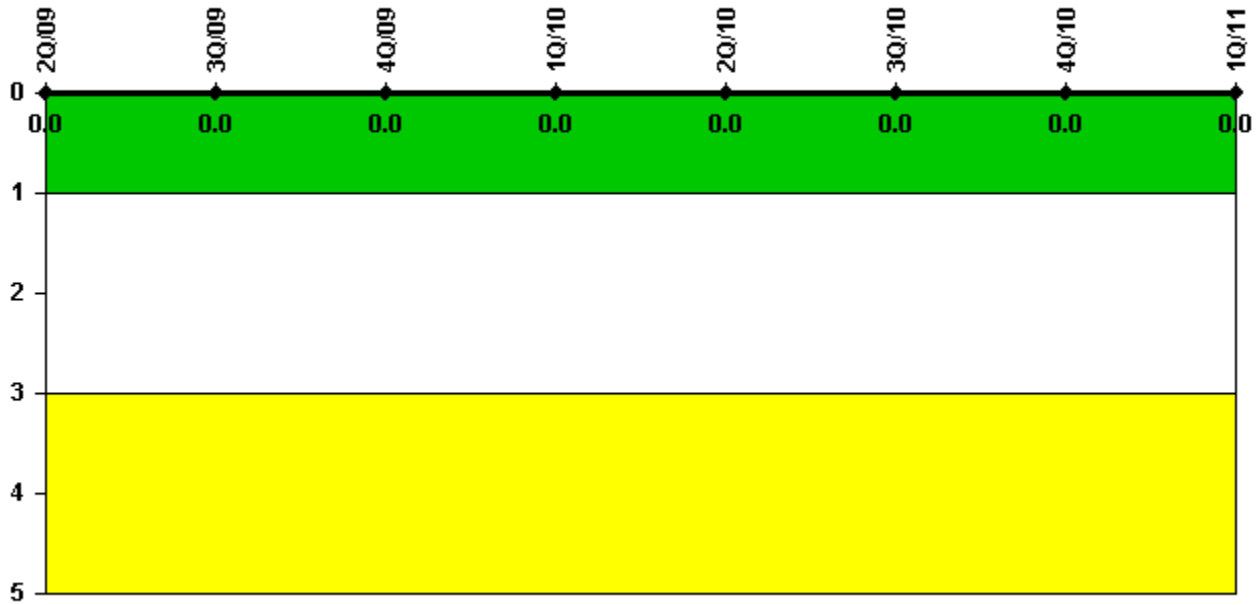
### Notes

Occupational Exposure Control Effectiveness	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
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
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

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# RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

## Notes

RETS/ODCM Radiological Effluent	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[Security](#) information not publicly available.