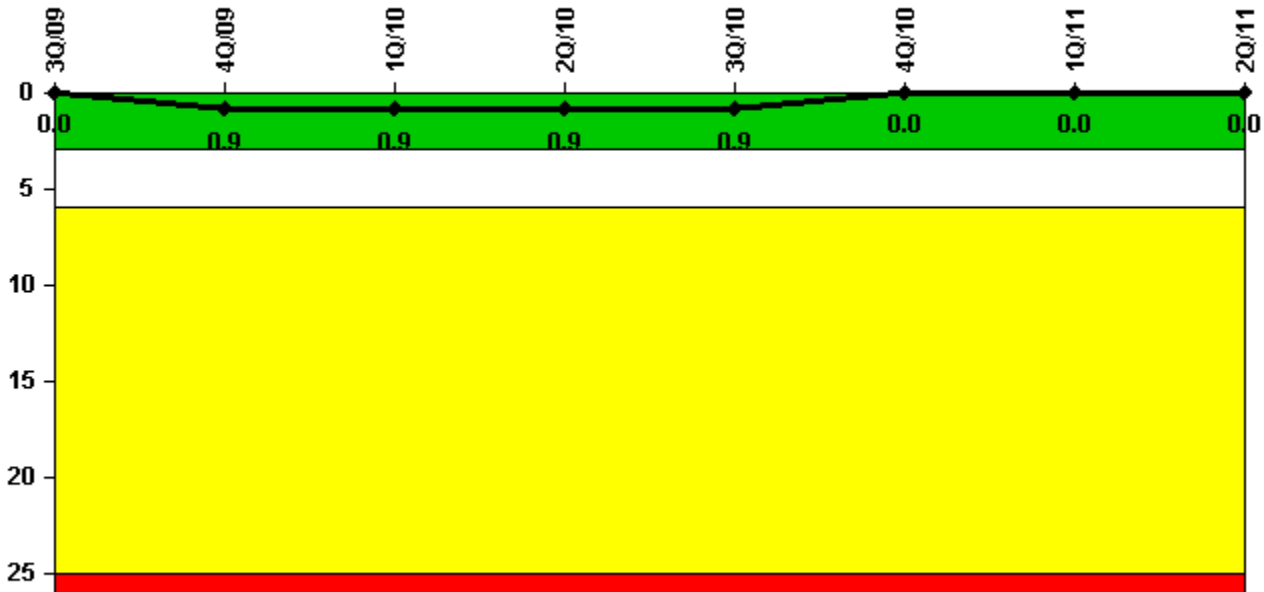


# Cooper

## 2Q/2011 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

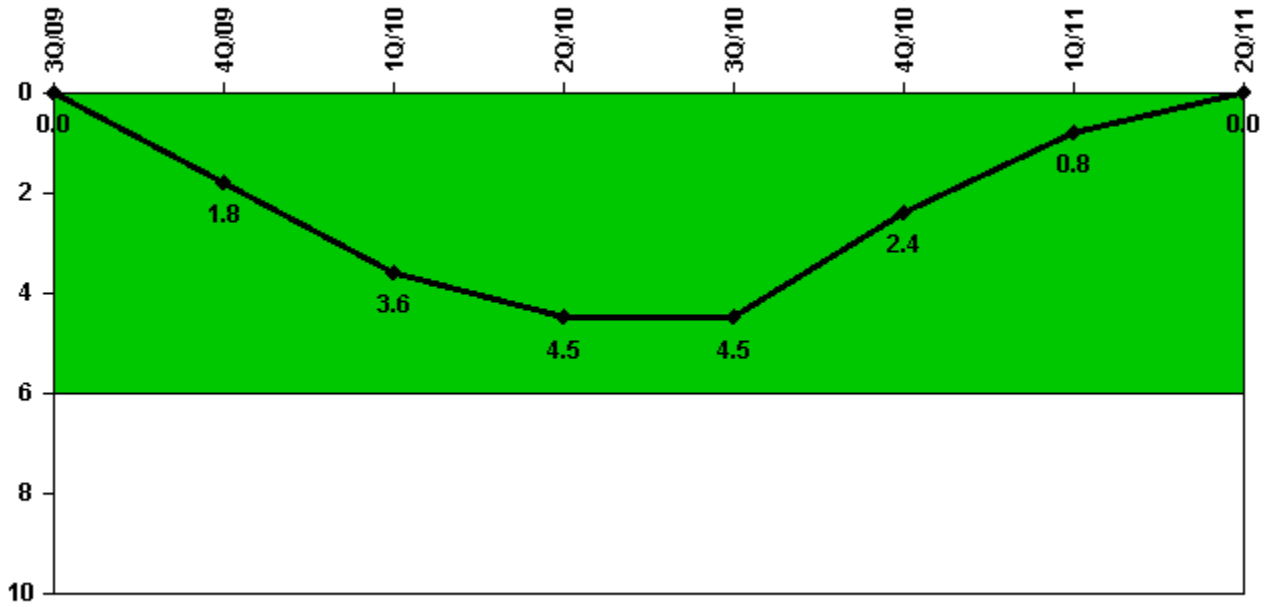
### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2088.4	1276.0	2159.0	2184.0	2208.0	2209.0	1705.2	1307.6
Indicator value	0	0.9	0.9	0.9	0.9	0	0	0

Licensee Comments: none

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## Unplanned Power Changes per 7000 Critical Hrs



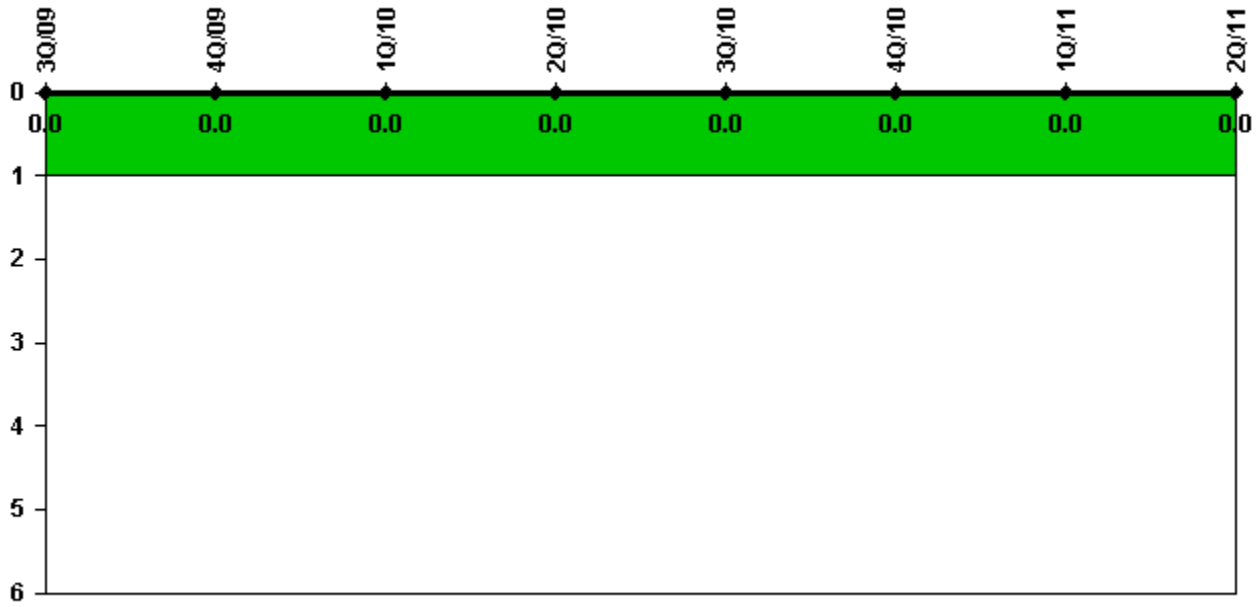
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned power changes	0	2.0	2.0	1.0	0	0	0	0
Critical hours	2088.4	1276.0	2159.0	2184.0	2208.0	2209.0	1705.2	1307.6
Indicator value	0	1.8	3.6	4.5	4.5	2.4	0.8	0

Licensee Comments: none

# Unplanned Scrams with Complications



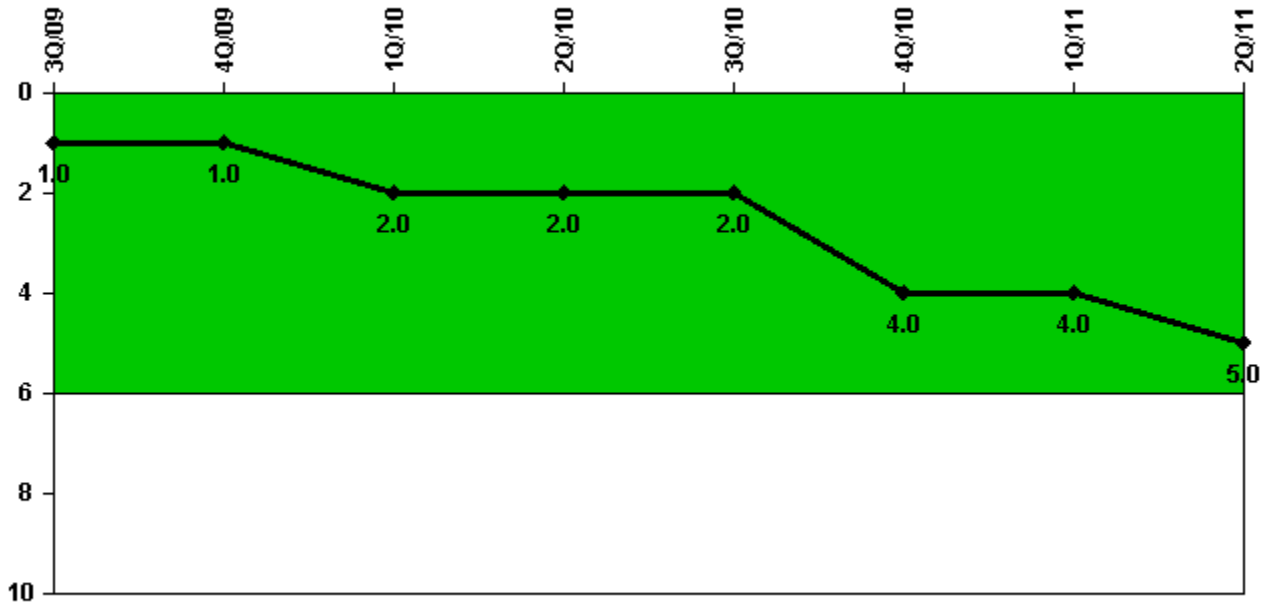
Thresholds: White > 1.0

## Notes

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

Licensee Comments: none

## Safety System Functional Failures (BWR)



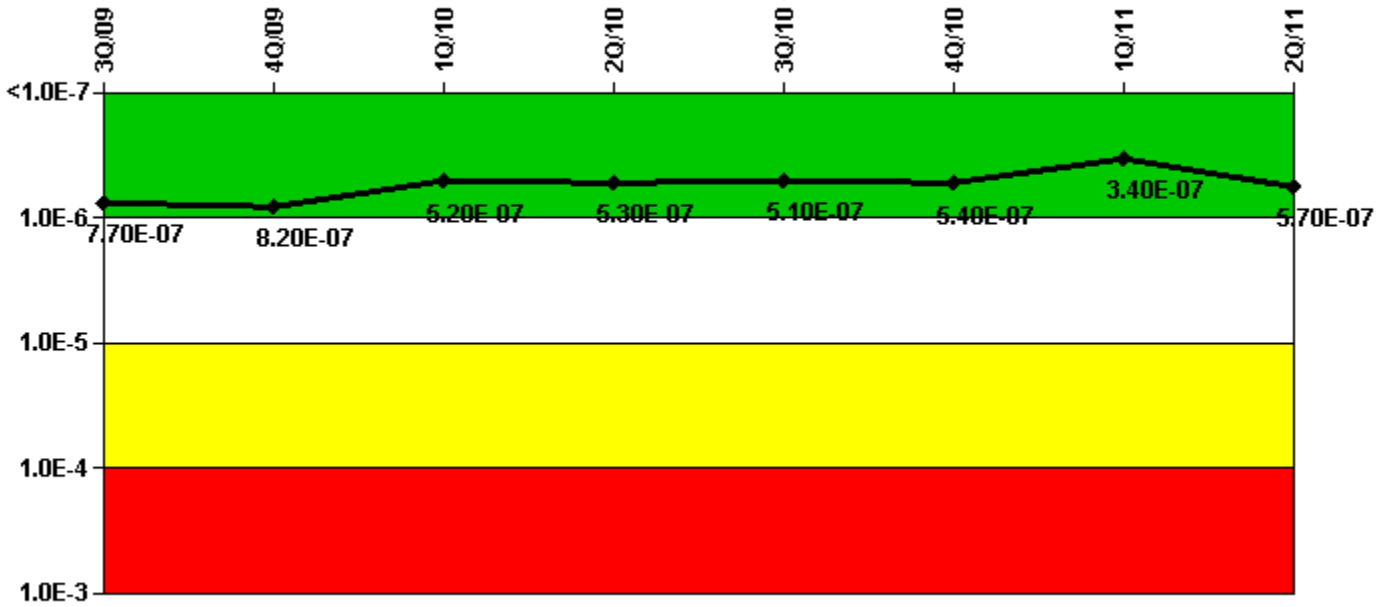
Thresholds: White > 6.0

### Notes

Safety System Functional Failures (BWR)	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Safety System Functional Failures	0	0	2	0	0	2	2	1
Indicator value	1	1	2	2	2	4	4	5

Licensee Comments: none

# Mitigating Systems Performance Index, Emergency AC Power System



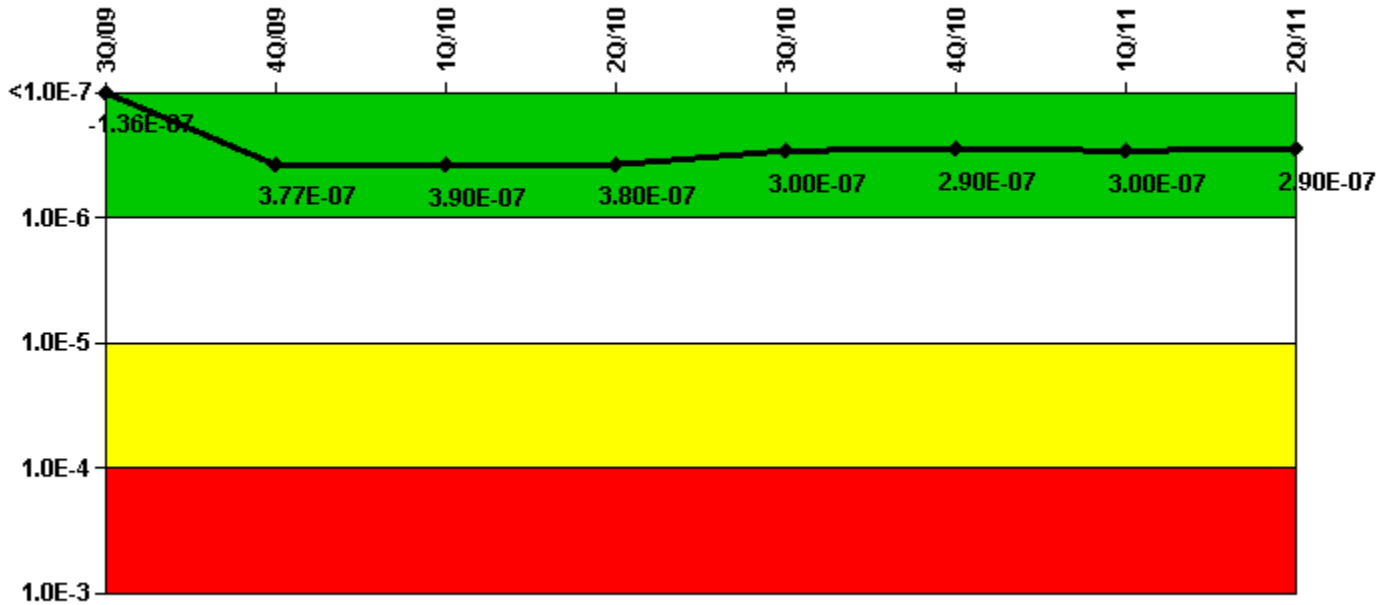
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI ( $\Delta$ CDF)	1.64E-07	1.89E-07	1.17E-07	1.31E-07	1.15E-07	1.47E-07	1.22E-07	1.19E-07
URI ( $\Delta$ CDF)	6.04E-07	6.28E-07	4.00E-07	3.98E-07	3.92E-07	3.90E-07	2.17E-07	4.49E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	7.70E-07	8.20E-07	5.20E-07	5.30E-07	5.40E-07	5.40E-07	3.40E-07	5.70E-07

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



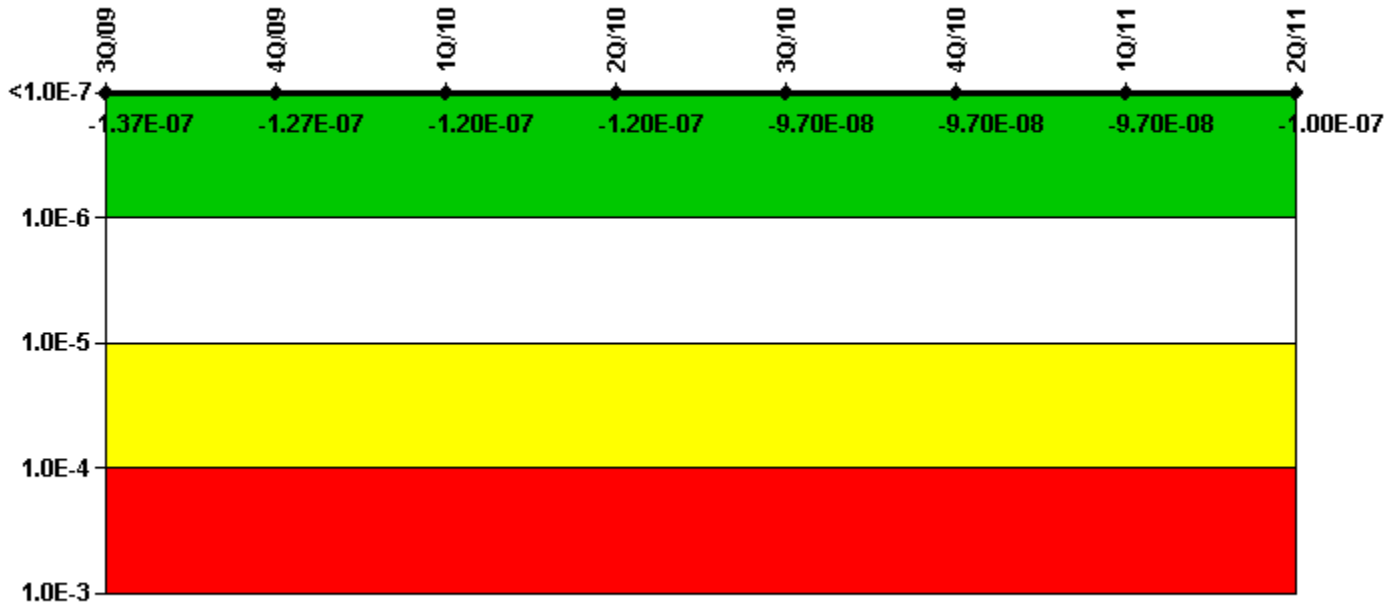
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI ( $\Delta$ CDF)	3.60E-09	6.70E-08	7.87E-08	7.79E-08	6.47E-08	5.11E-08	6.63E-08	5.73E-08
URI ( $\Delta$ CDF)	-1.40E-07	3.10E-07	3.06E-07	3.06E-07	2.35E-07	2.35E-07	2.35E-07	2.35E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.36E-07	3.77E-07	3.90E-07	3.80E-07	3.00E-07	2.90E-07	3.00E-07	2.90E-07

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



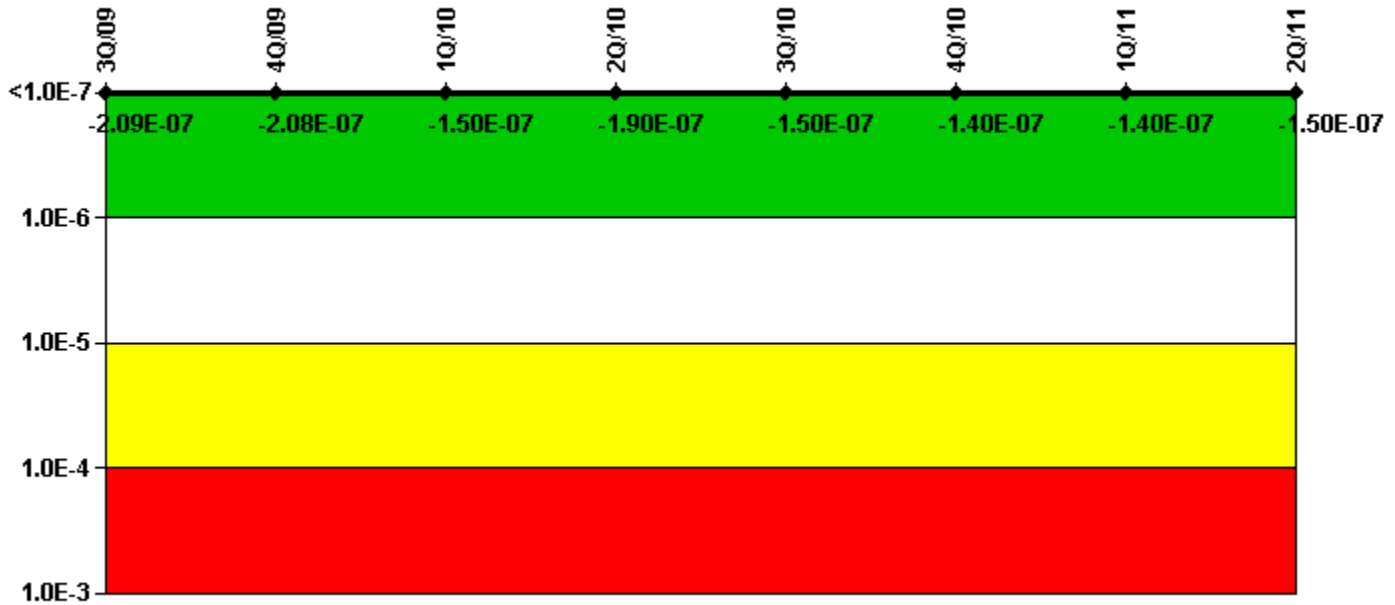
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI ( $\Delta$ CDF)	-5.20E-08	-4.20E-08	-3.18E-08	-3.49E-08	-1.50E-08	-1.49E-08	-1.47E-08	-2.01E-08
URI ( $\Delta$ CDF)	-8.50E-08	-8.50E-08	-8.45E-08	-8.45E-08	-8.21E-08	-8.21E-08	-8.21E-08	-8.21E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.37E-07	-1.27E-07	-1.20E-07	-1.20E-07	-9.70E-08	-9.70E-08	-9.70E-08	-1.00E-07

Licensee Comments: none

# Mitigating Systems Performance Index, Residual Heat Removal System



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

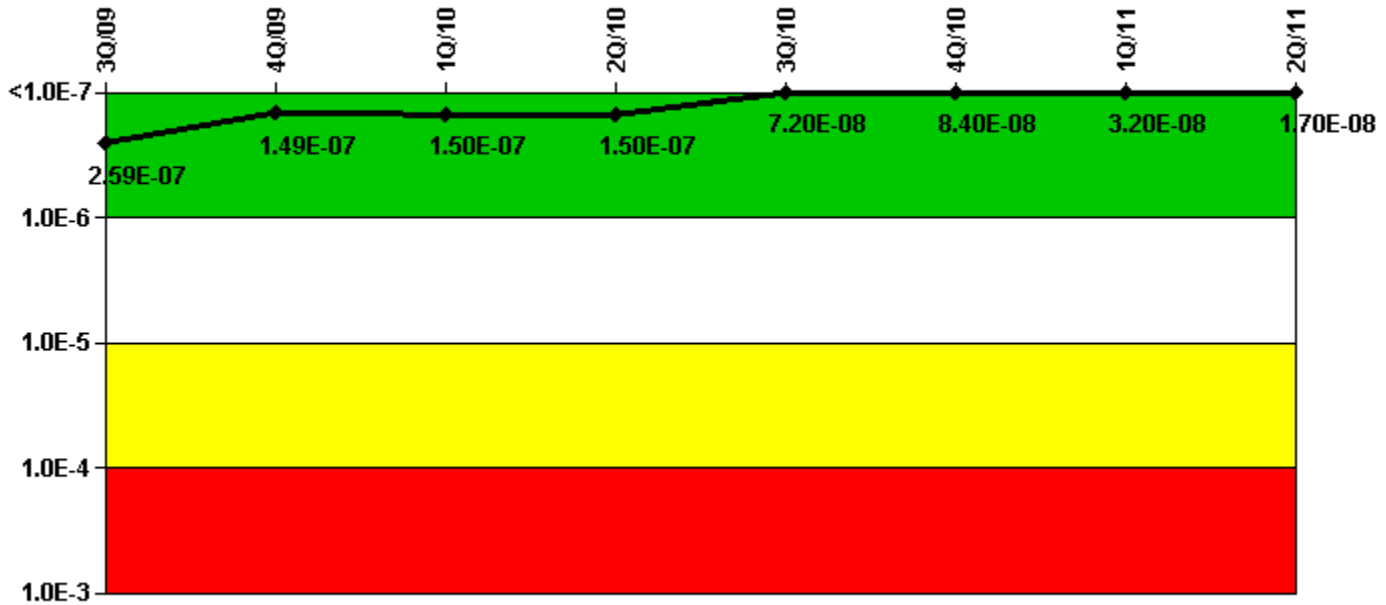
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI ( $\Delta$ CDF)	-8.90E-09	-8.10E-09	4.86E-08	6.73E-09	5.54E-09	8.74E-09	1.11E-08	1.92E-09
URI ( $\Delta$ CDF)	-2.00E-07	-2.00E-07	-2.02E-07	-2.00E-07	-1.53E-07	-1.51E-07	-1.53E-07	-1.49E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.09E-07	-2.08E-07	-1.50E-07	-1.90E-07	-1.50E-07	-1.40E-07	-1.40E-07	-1.50E-07

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



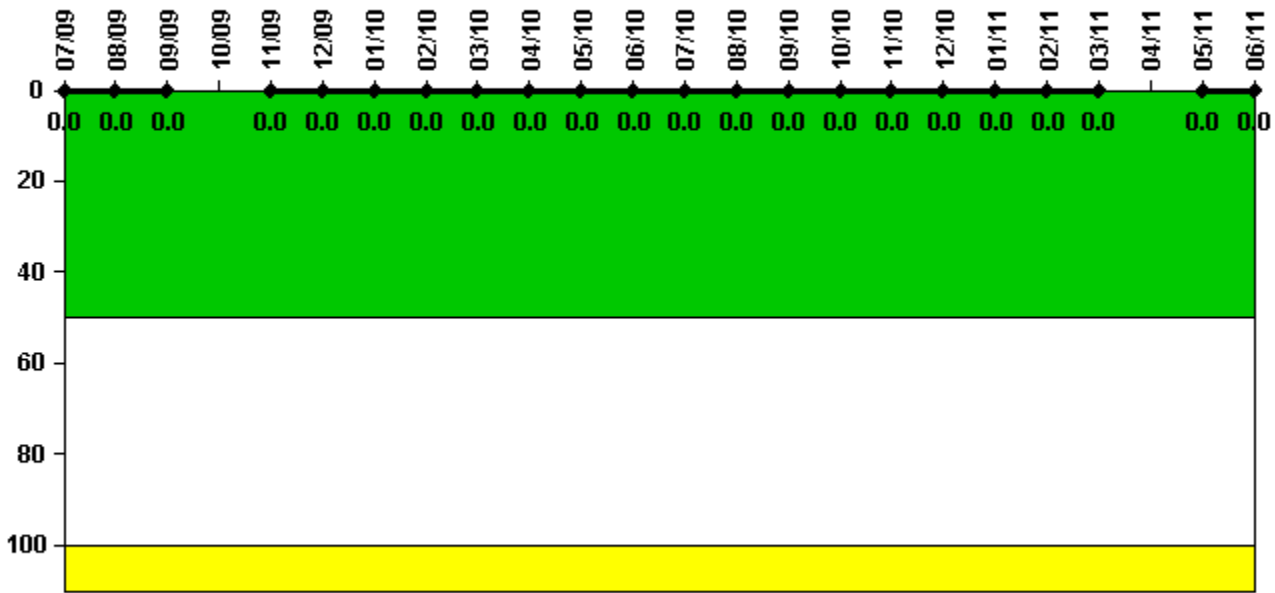
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI ( $\Delta$ CDF)	6.90E-08	7.00E-08	7.48E-08	7.46E-08	3.10E-08	4.24E-08	4.72E-08	3.29E-08
URI ( $\Delta$ CDF)	1.90E-07	7.90E-08	7.91E-08	7.91E-08	4.12E-08	4.12E-08	-1.55E-08	-1.55E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.59E-07	1.49E-07	1.50E-07	1.50E-07	7.20E-08	8.40E-08	3.20E-08	1.70E-08

Licensee Comments: none

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

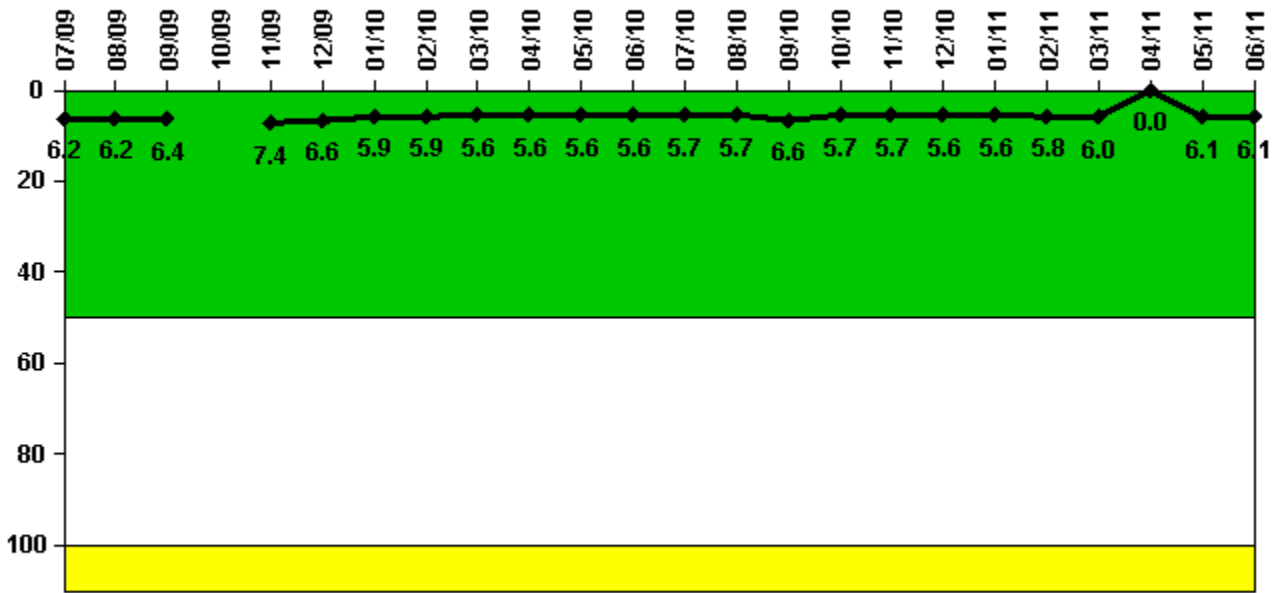
Reactor Coolant System Activity	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum activity	0.000020	0.000022	0.000020	N/A	0.000018	0.000021	0.000022	0.000021	0.000024	0.000022	0.000023	0.000021
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	N/A	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum activity	0.000022	0.000019	0.000021	0.000023	0.000025	0.000024	0.000023	0.000017	0.000018	N/A	0.000011	0.000011
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	N/A	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



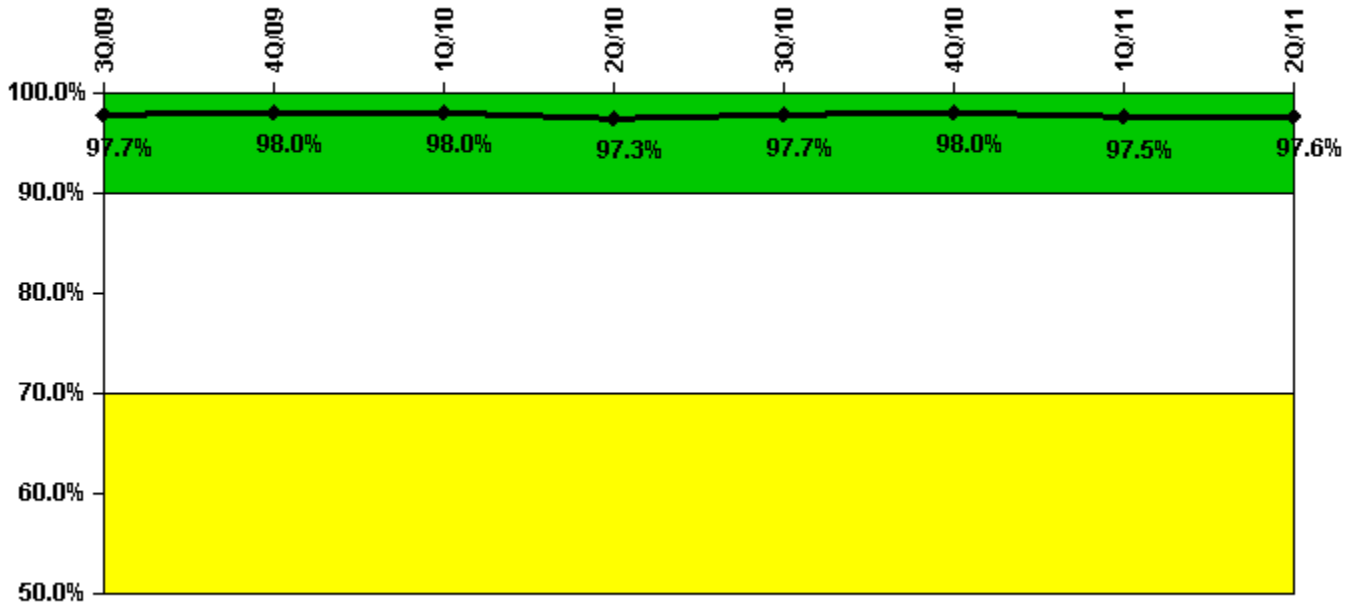
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum leakage	1.866	1.867	1.911	N/A	2.221	1.968	1.760	1.758	1.667	1.690	1.673	1.686
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.2	6.2	6.4	N/A	7.4	6.6	5.9	5.9	5.6	5.6	5.6	5.6
Reactor Coolant System Leakage	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum leakage	1.710	1.718	1.989	1.699	1.699	1.684	1.680	1.747	1.798	0	1.825	1.820
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	5.7	5.7	6.6	5.7	5.7	5.6	5.6	5.8	6.0	0	6.1	6.1

Licensee Comments: none

## Drill/Exercise Performance



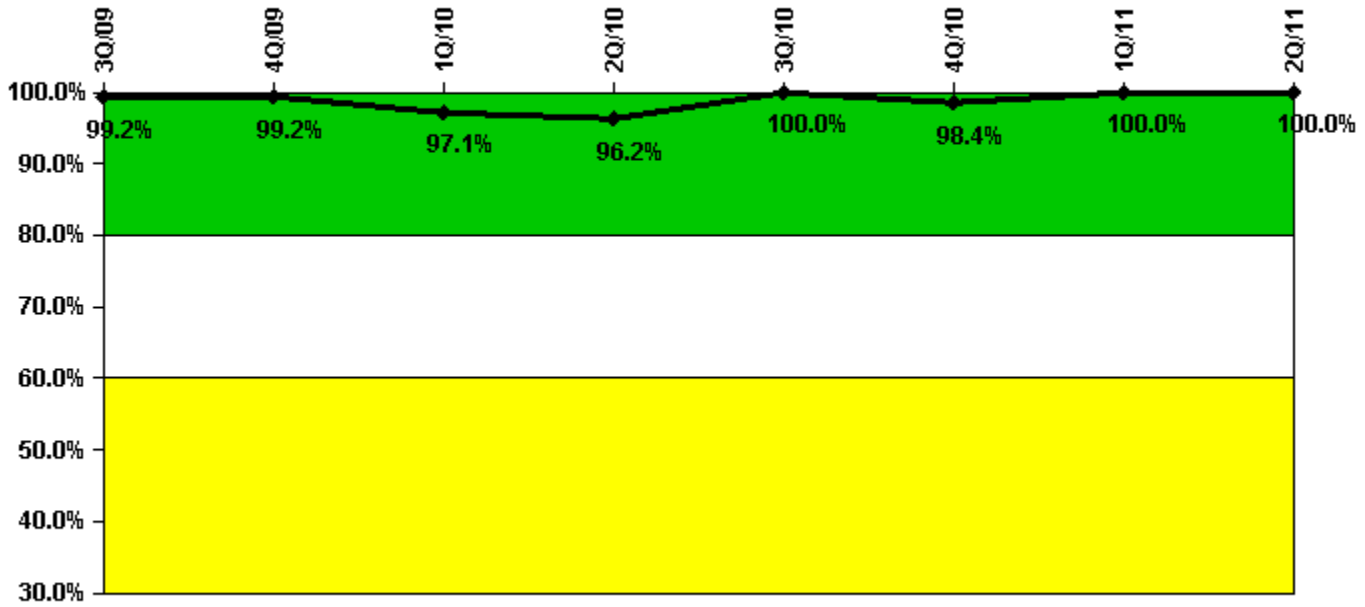
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful opportunities	31.0	18.0	10.0	23.0	61.0	20.0	26.0	59.0
Total opportunities	32.0	18.0	10.0	24.0	62.0	20.0	28.0	60.0
Indicator value	97.7%	98.0%	98.0%	97.3%	97.7%	98.0%	97.5%	97.6%

Licensee Comments: none

## ERO Drill Participation



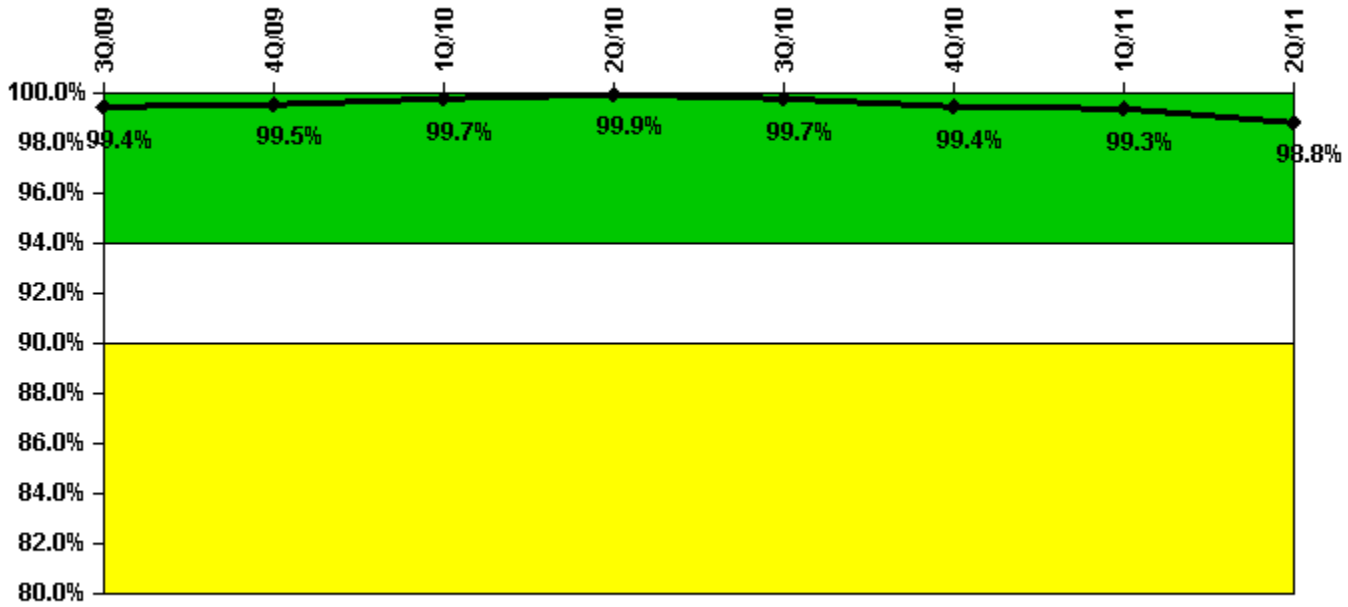
Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Participating Key personnel	119.0	126.0	135.0	126.0	125.0	125.0	125.0	129.0
Total Key personnel	120.0	127.0	139.0	131.0	125.0	127.0	125.0	129.0
Indicator value	99.2%	99.2%	97.1%	96.2%	100.0%	98.4%	100.0%	100.0%

Licensee Comments: none

# Alert & Notification System



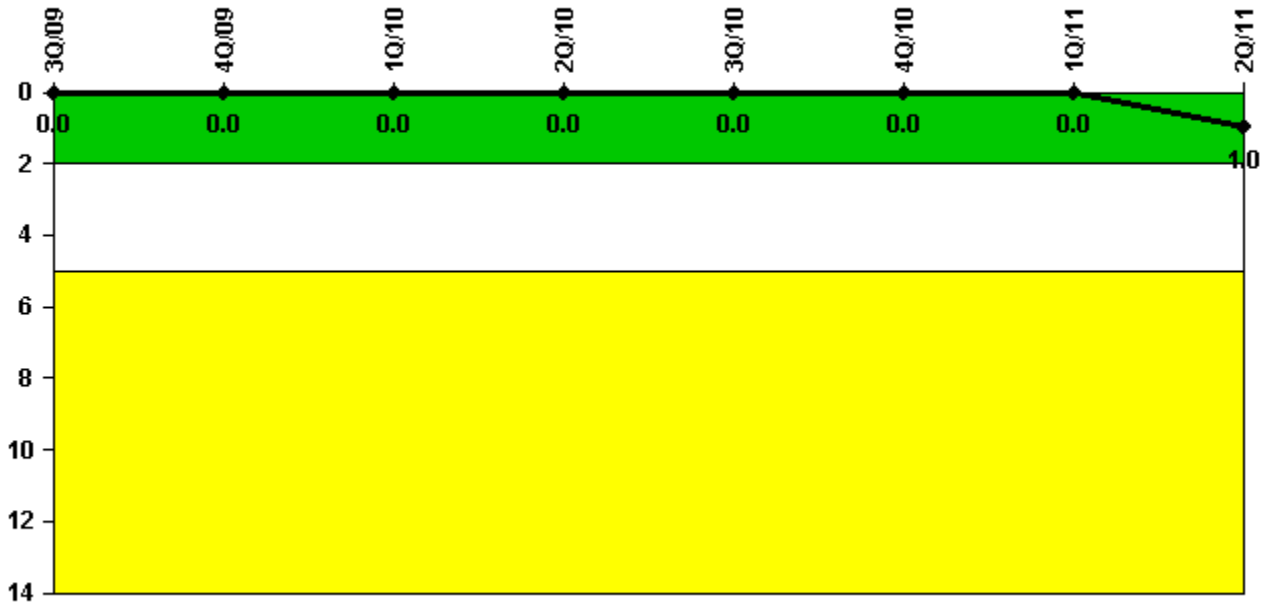
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful siren-tests	288	300	288	287	285	309	287	281
Total sirens-tests	288	300	288	288	288	312	288	288
Indicator value	99.4%	99.5%	99.7%	99.9%	99.7%	99.4%	99.3%	98.8%

Licensee Comments: none

# Occupational Exposure Control Effectiveness



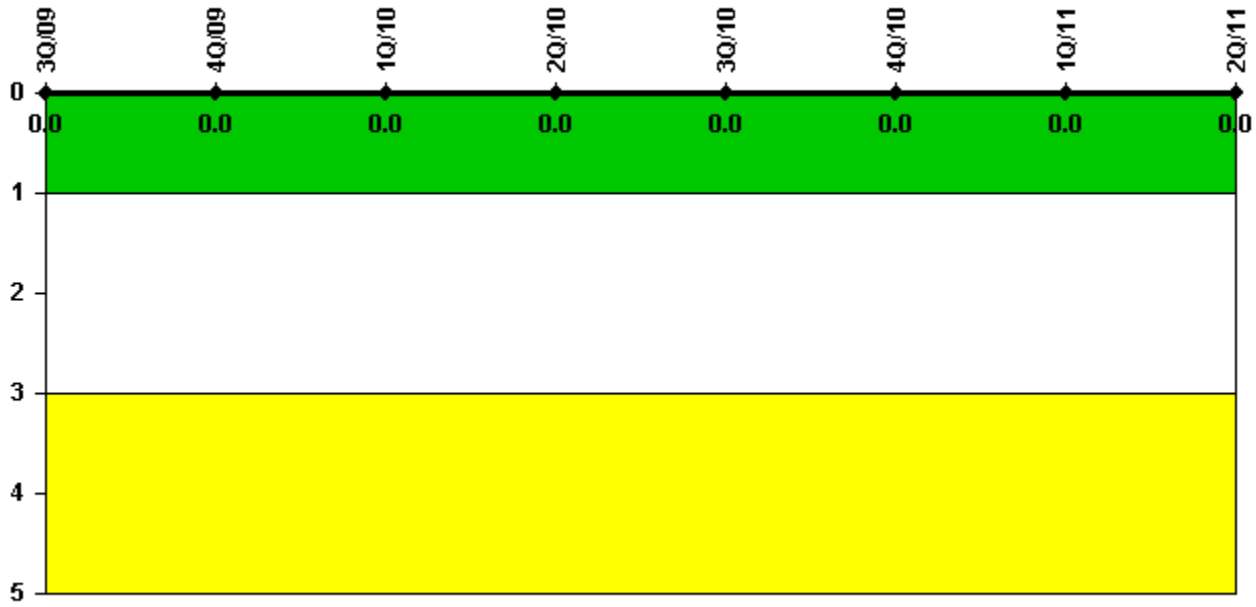
Thresholds: White > 2.0 Yellow > 5.0

## Notes

Occupational Exposure Control Effectiveness	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
High radiation area occurrences	0	0	0	0	0	0	0	1
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>1</b>

Licensee Comments: none

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/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.