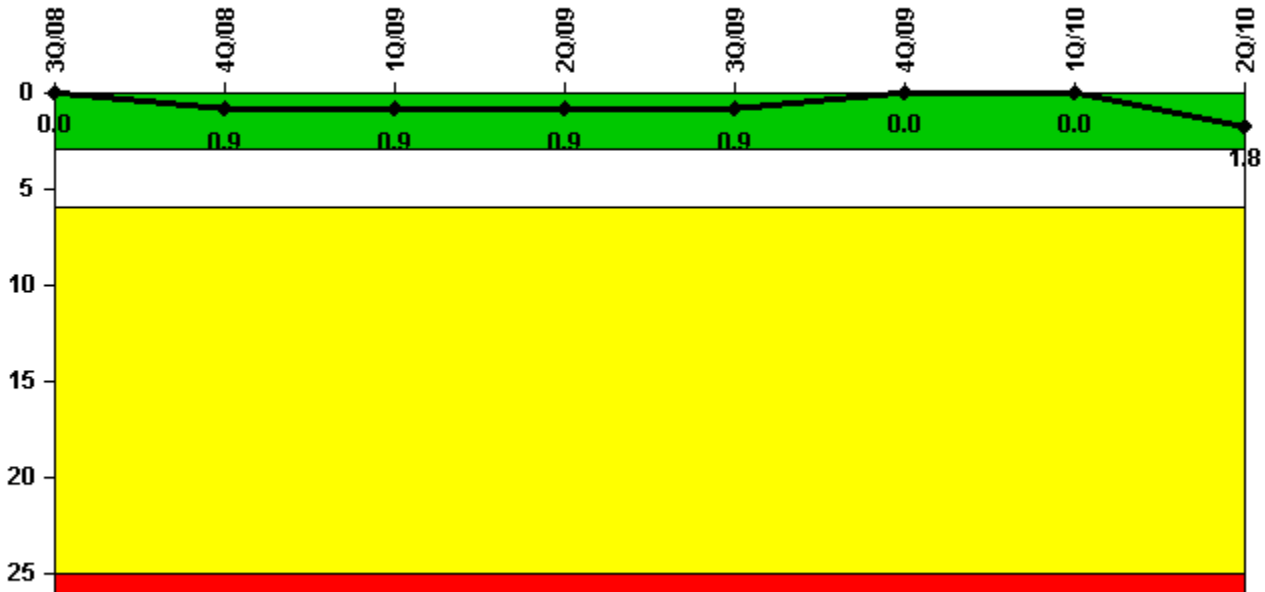


# Prairie Island 2

## 2Q/2010 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



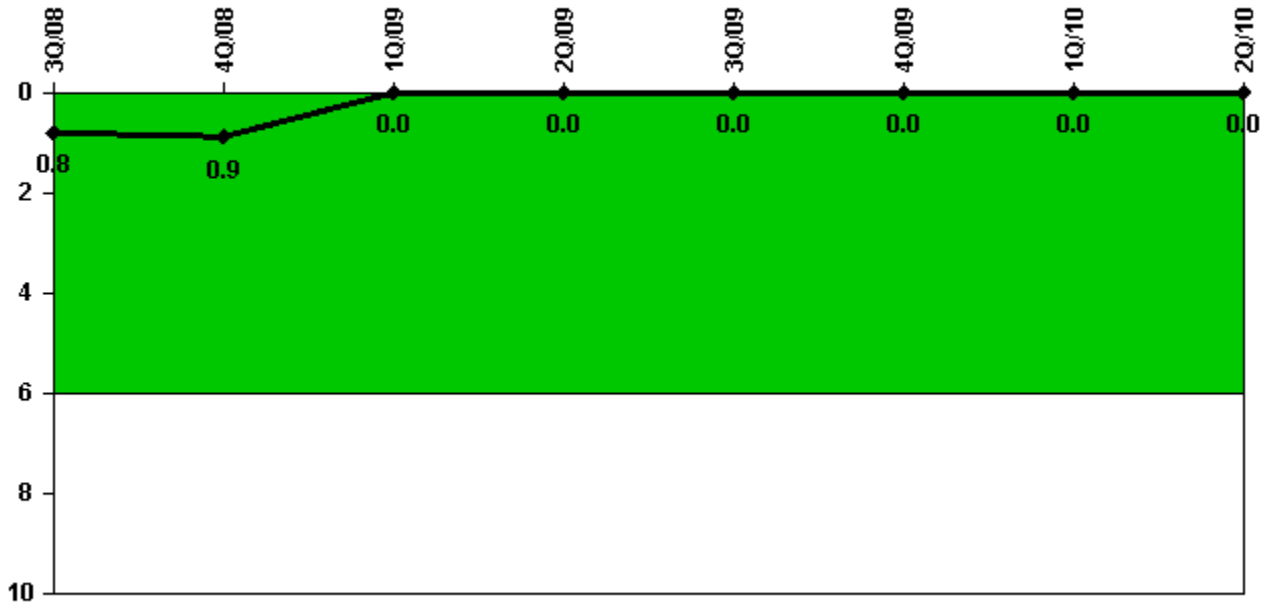
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned scrams	0	1.0	0	0	0	0	0	2.0
Critical hours	1942.7	1477.8	2159.0	2184.0	2208.0	2209.0	2159.0	1293.2
Indicator value	0	0.9	0.9	0.9	0.9	0	0	1.8

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1942.7	1477.8	2159.0	2184.0	2208.0	2209.0	2159.0	1293.2
Indicator value	0.8	0.9	0	0	0	0	0	0

Licensee Comments: none

# Unplanned Scrams with Complications



Thresholds: White > 1.0

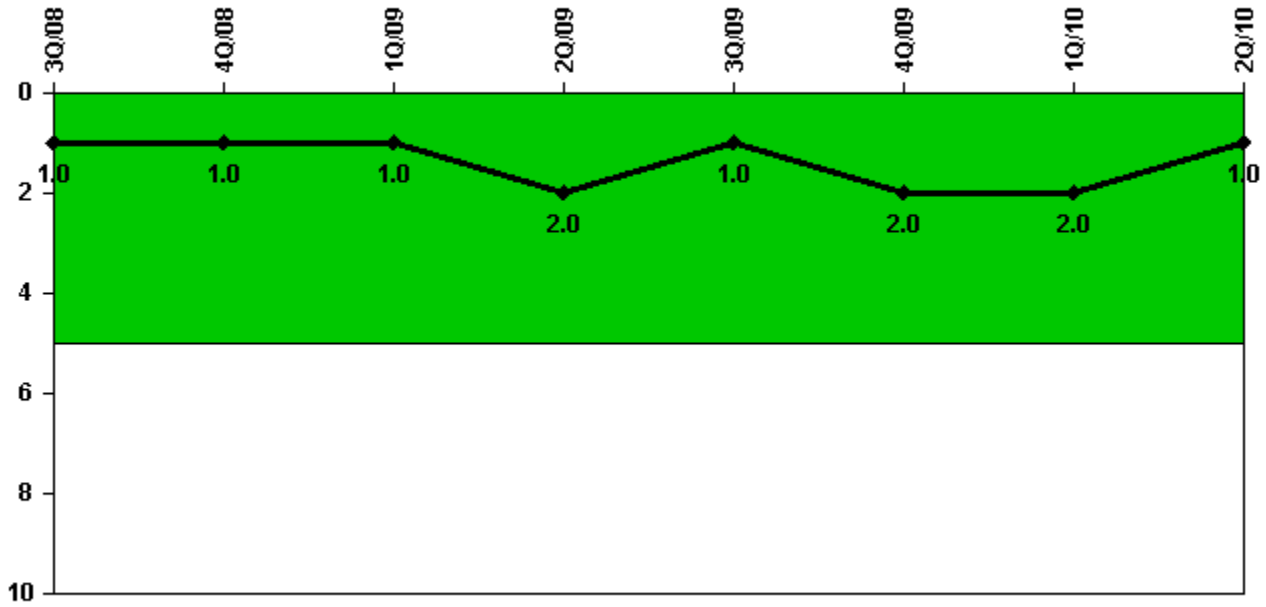
## Notes

Unplanned Scrams with Complications	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
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

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## Safety System Functional Failures (PWR)



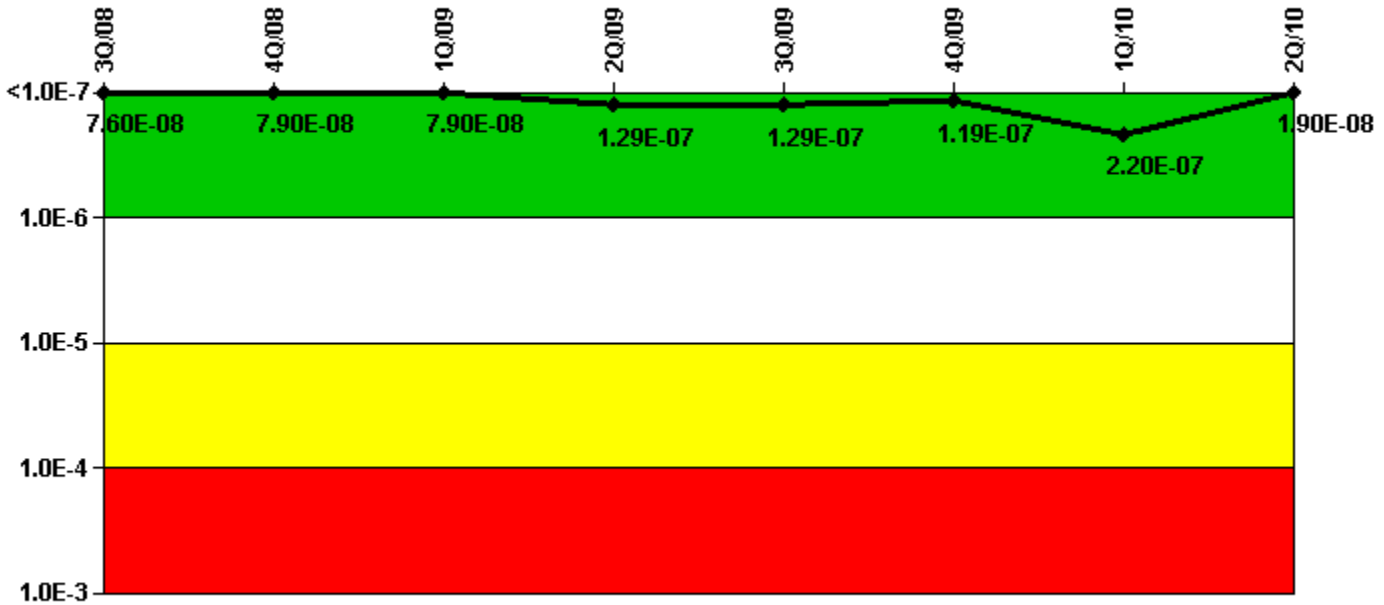
Thresholds: White > 5.0

### Notes

Safety System Functional Failures (PWR)	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Safety System Functional Failures	1	0	0	1	0	1	0	0
Indicator value	1	1	1	2	1	2	2	1

Licensee Comments: none

# Mitigating Systems Performance Index, Emergency AC Power System



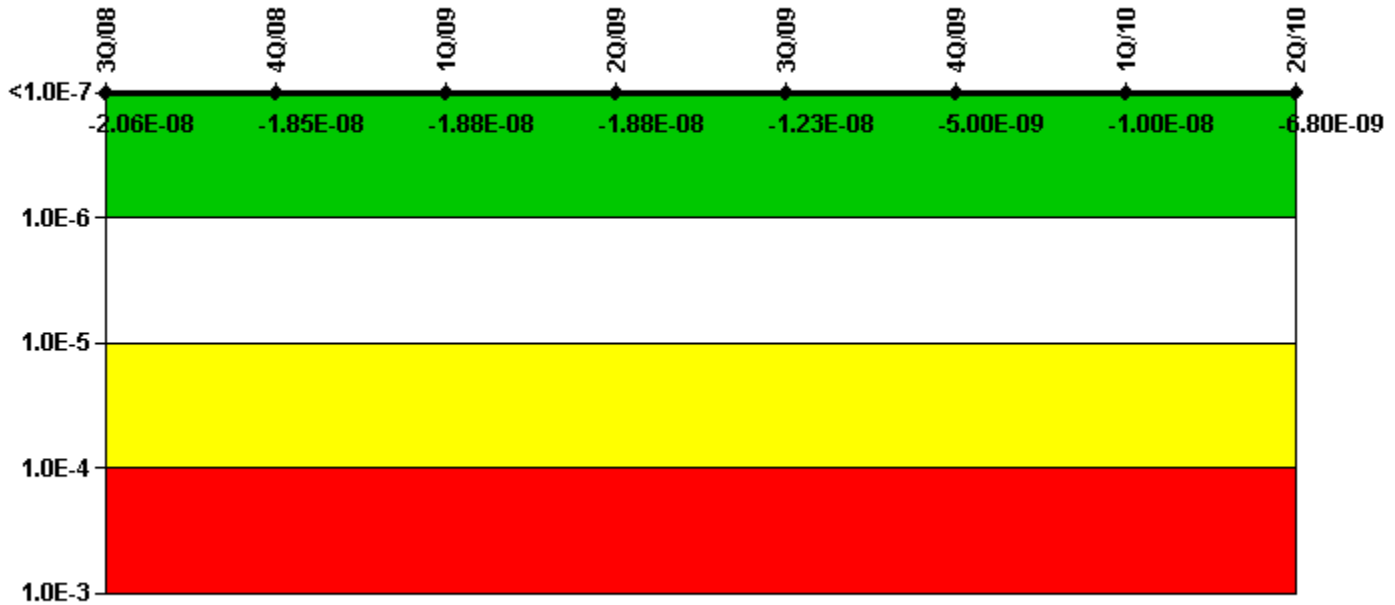
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	9.80E-08	1.00E-07	1.00E-07	1.50E-07	1.50E-07	1.40E-07	1.44E-07	1.27E-07
URI ( $\Delta$ CDF)	-2.20E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.10E-08	7.17E-08	-1.08E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	7.60E-08	7.90E-08	7.90E-08	1.29E-07	1.29E-07	1.19E-07	2.20E-07	1.90E-08

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



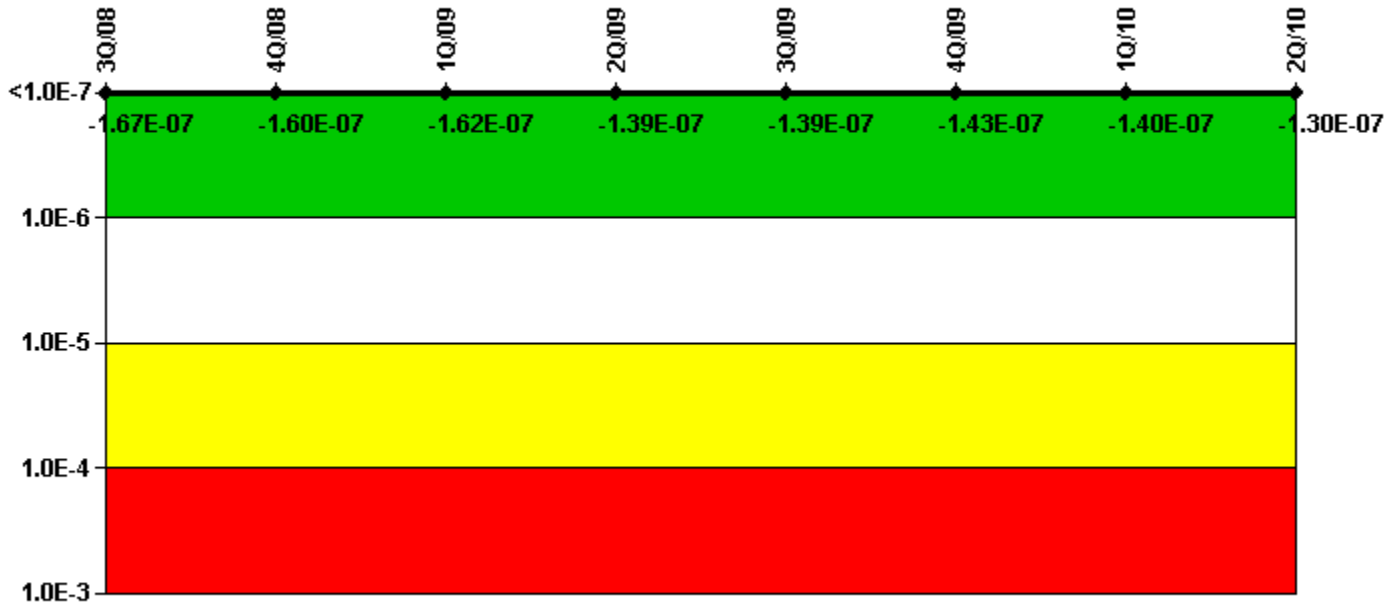
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	-3.60E-09	-1.50E-09	-1.80E-09	-1.80E-09	4.70E-09	1.20E-08	6.60E-09	1.01E-08
URI ( $\Delta$ CDF)	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.69E-08	-1.69E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.06E-08	-1.85E-08	-1.88E-08	-1.88E-08	-1.23E-08	-5.00E-09	-1.00E-08	-6.80E-09

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



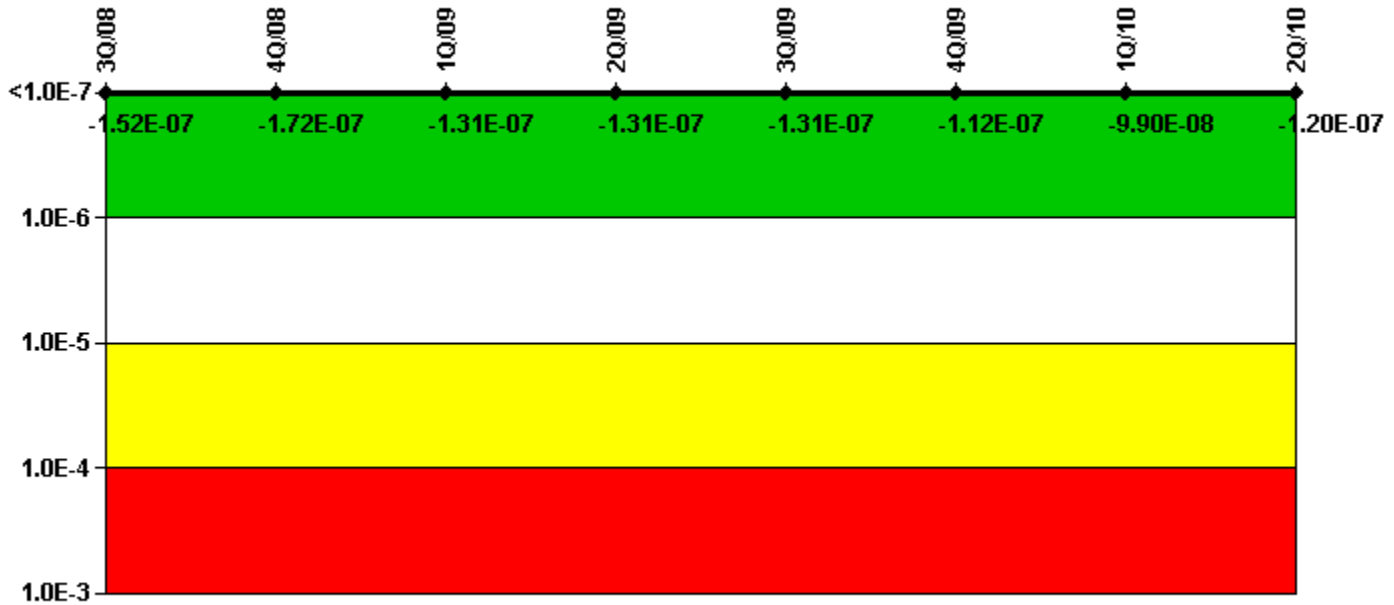
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	-3.70E-08	-3.00E-08	-3.20E-08	-9.00E-09	-9.00E-09	-1.30E-08	-1.35E-08	7.26E-09
URI ( $\Delta$ CDF)	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.29E-07	-1.32E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.67E-07	-1.60E-07	-1.62E-07	-1.39E-07	-1.39E-07	-1.43E-07	-1.40E-07	-1.30E-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

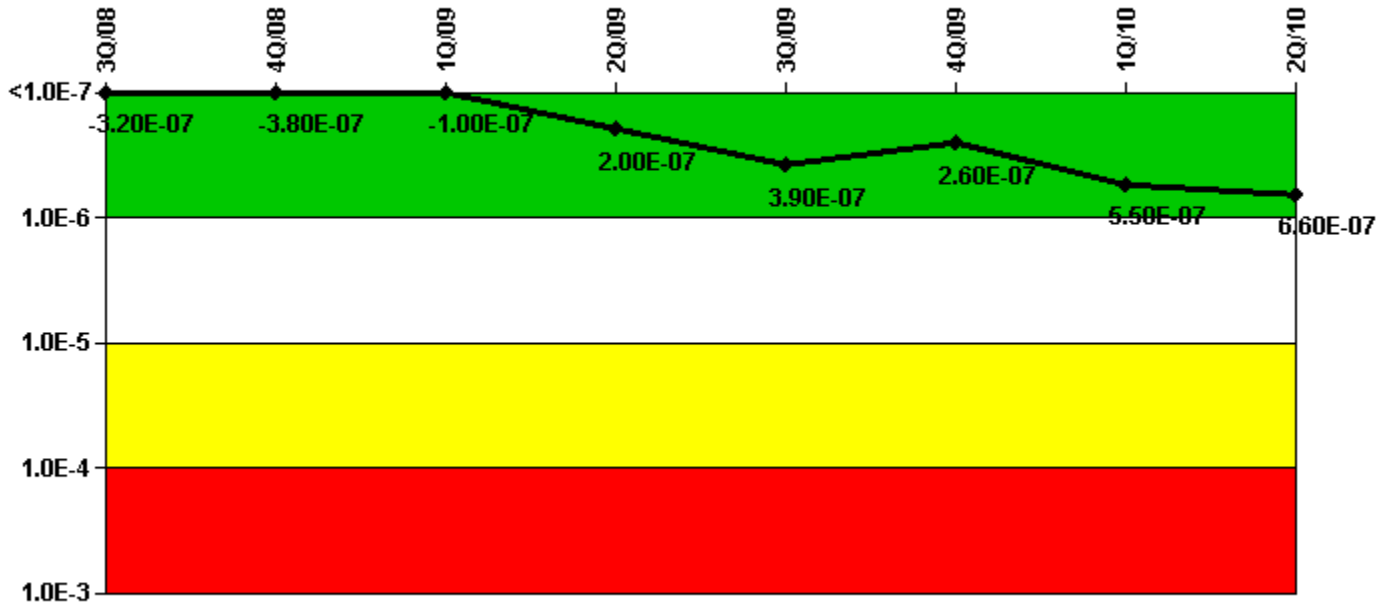
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	-2.20E-08	-2.20E-08	8.90E-09	8.90E-09	8.90E-09	8.10E-09	7.87E-09	8.87E-09
URI ( $\Delta$ CDF)	-1.30E-07	-1.50E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.20E-07	-1.07E-07	-1.31E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.52E-07	-1.72E-07	-1.31E-07	-1.31E-07	-1.31E-07	-1.12E-07	-9.90E-08	-1.20E-07

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



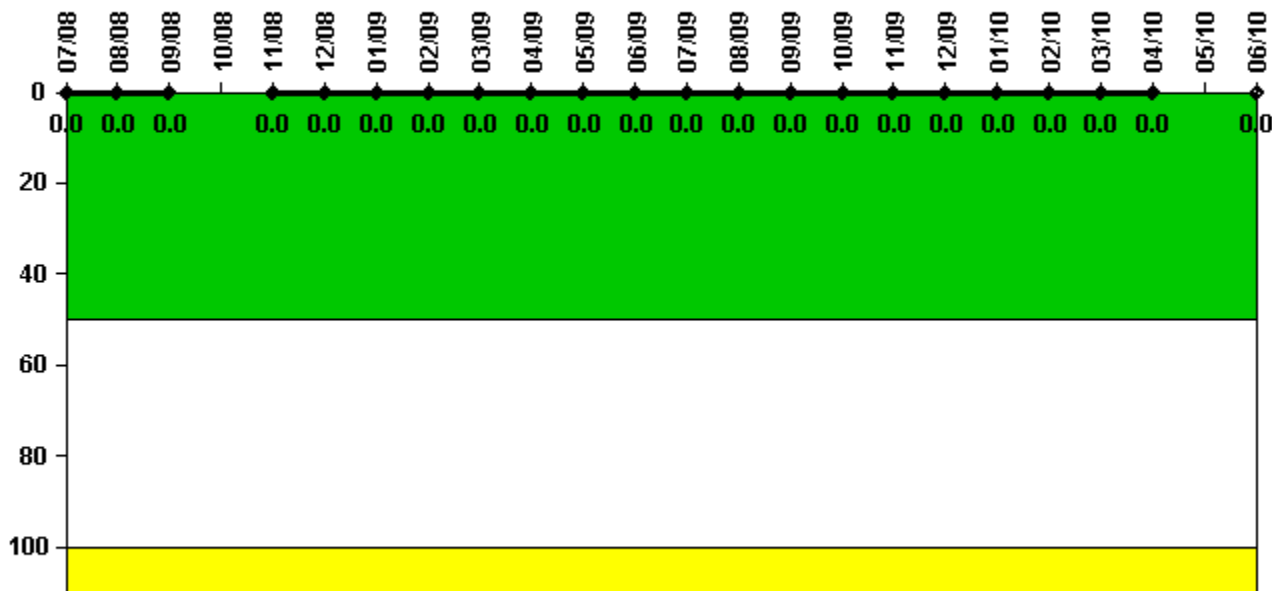
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	1.80E-07	1.30E-07	4.10E-07	6.70E-07	8.60E-07	7.40E-07	1.03E-06	1.14E-06
URI ( $\Delta$ CDF)	-5.00E-07	-5.10E-07	-5.10E-07	-4.70E-07	-4.70E-07	-4.80E-07	-4.78E-07	-4.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.20E-07	-3.80E-07	-1.00E-07	2.00E-07	3.90E-07	2.60E-07	5.50E-07	6.60E-07

Licensee Comments: none

## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Activity	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum activity	0.000280	0.000240	0.000240	N/A	0.000120	0.000130	0.000140	0.000015	0.000160	0.000160	0.000160	0.000180
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	0	0	N/A	0	0	0	0	0	0	0	0

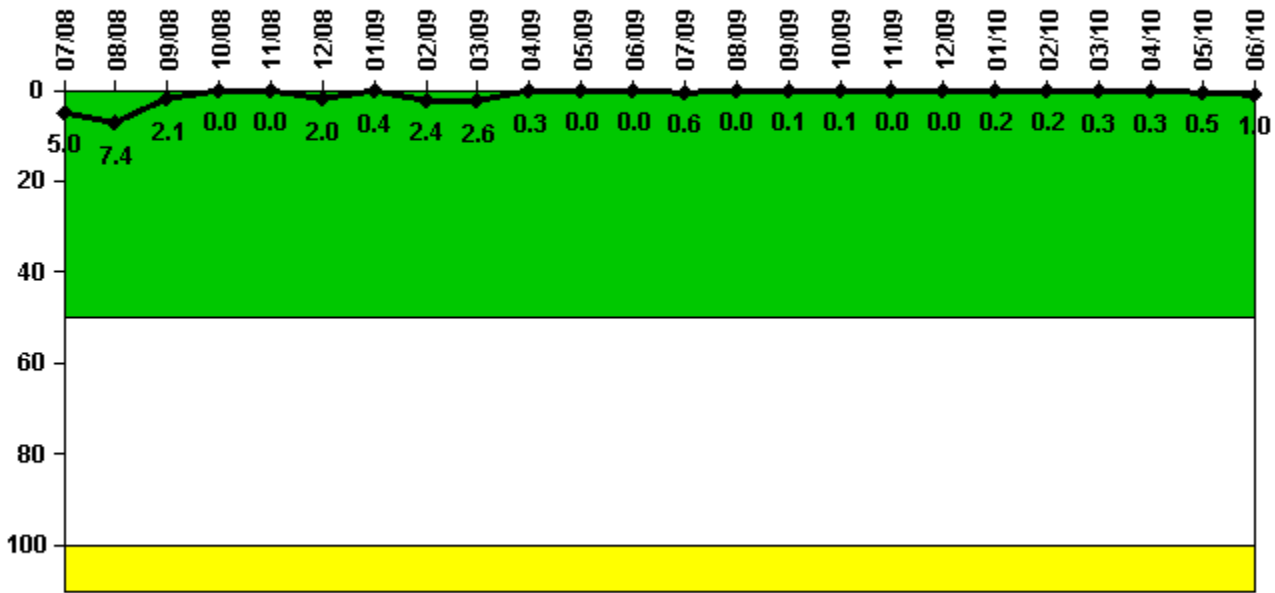
  

Reactor Coolant System Activity	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum activity	0.000170	0.000180	0.000180	0.000180	0.000190	0.000230	0.000200	0.000200	0.000239	0.000207	N/A	0.000112
Technical specification limit	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	0	0	0	N/A	0

Licensee Comments:

6/10: U2 exited refueling outage and achieved  $\geq 85\%$  power on 5/28/10, however did not achieve 3 days steady state.

## Reactor Coolant System Leakage



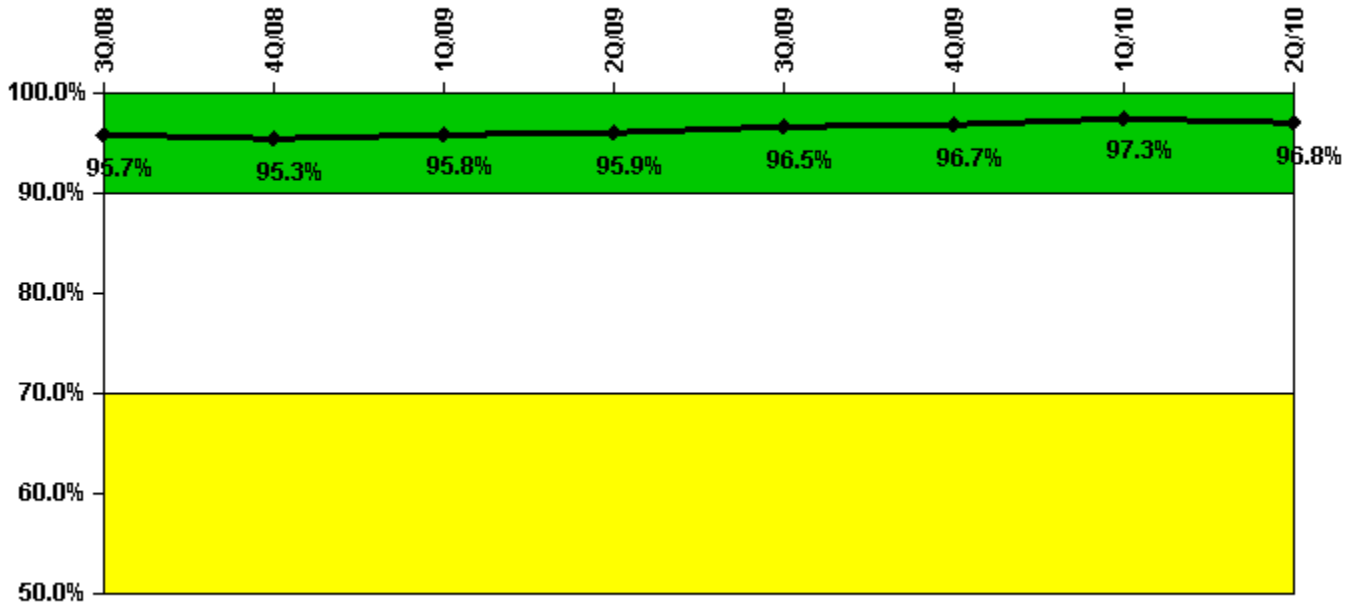
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum leakage	0.501	0.736	0.206	0	0	0.201	0.042	0.238	0.264	0.025	0	0
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	5.0	7.4	2.1	0	0	2.0	0.4	2.4	2.6	0.3	0	0
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	0.063	0	0.008	0.008	0	0	0.024	0.021	0.025	0.025	0.053	0.099
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	0.6	0	0.1	0.1	0	0	0.2	0.2	0.3	0.3	0.5	1.0

Licensee Comments: none

## Drill/Exercise Performance



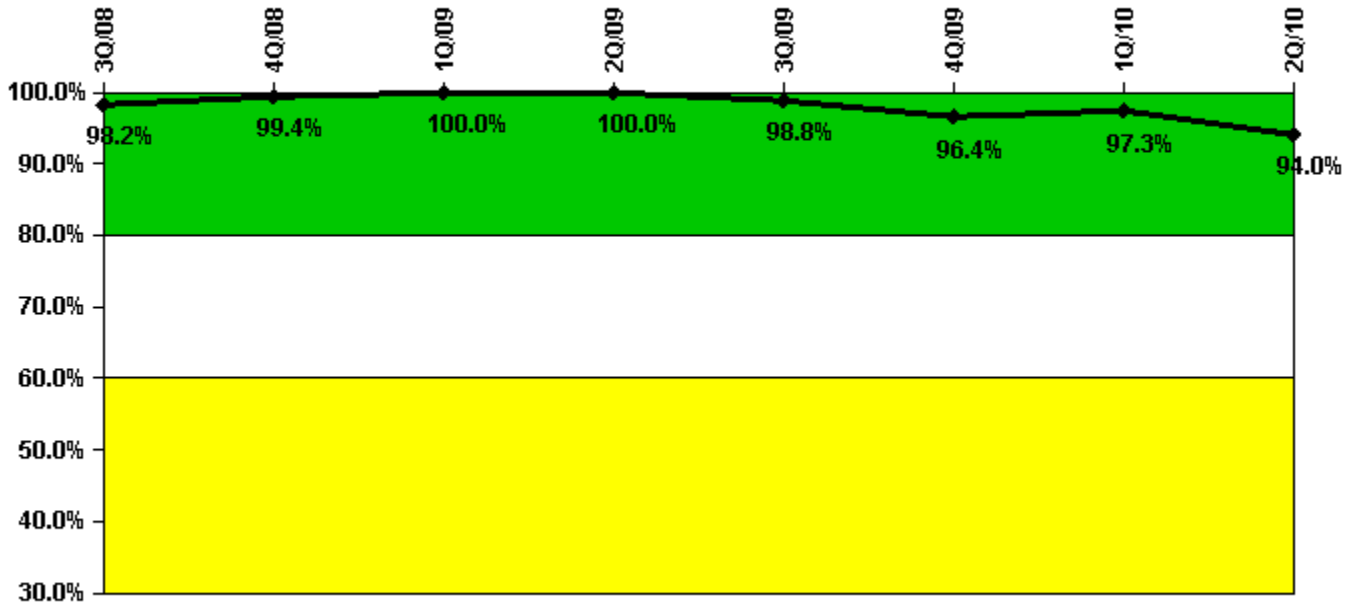
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful opportunities	41.0	16.0	99.0	43.0	9.0	20.0	48.0	30.0
Total opportunities	44.0	18.0	99.0	44.0	9.0	20.0	50.0	32.0
Indicator value	95.7%	95.3%	95.8%	95.9%	96.5%	96.7%	97.3%	96.8%

Licensee Comments: none

# ERO Drill Participation



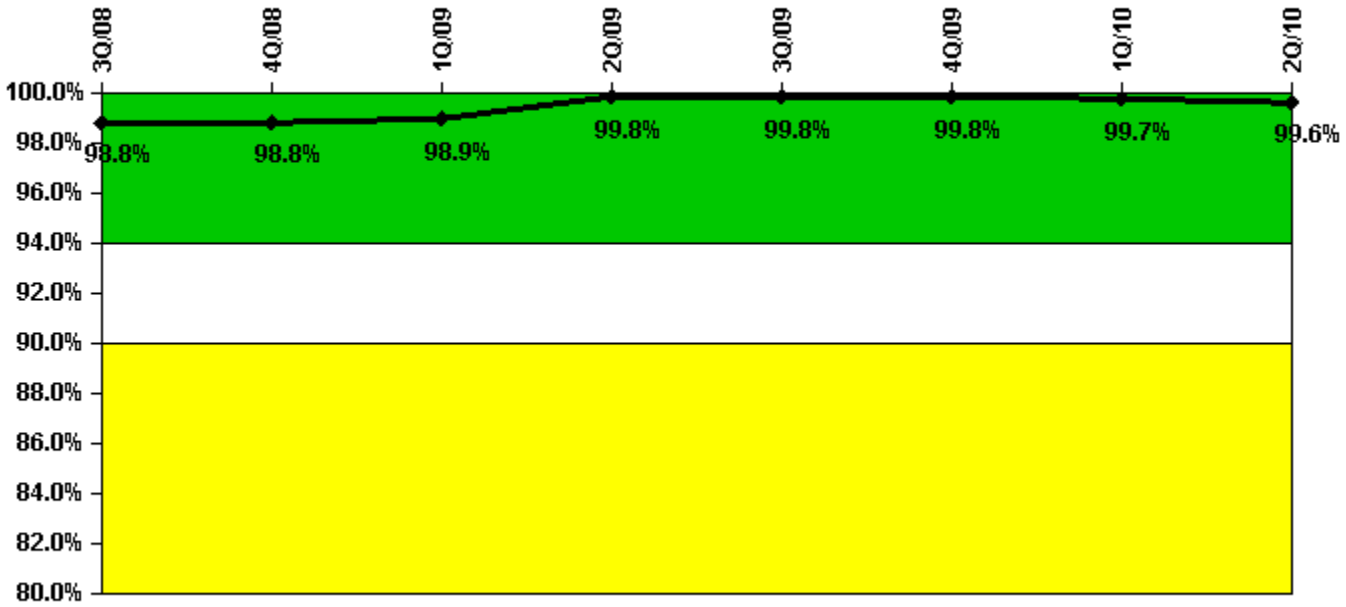
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

ERO Drill Participation	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Participating Key personnel	160.0	158.0	160.0	175.0	162.0	159.0	144.0	140.0
Total Key personnel	163.0	159.0	160.0	175.0	164.0	165.0	148.0	149.0
Indicator value	98.2%	99.4%	100.0%	100.0%	98.8%	96.4%	97.3%	94.0%

Licensee Comments: none

# Alert & Notification System



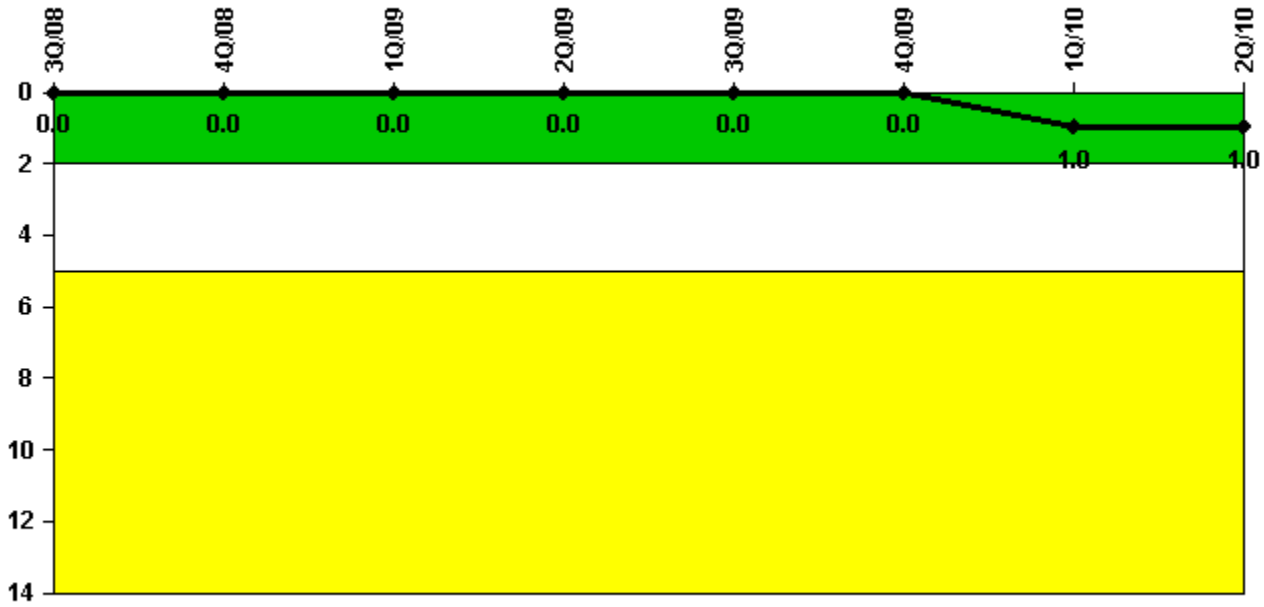
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful siren-tests	1515	1517	1401	1520	1636	1517	1510	1515
Total sirens-tests	1521	1521	1404	1521	1638	1521	1521	1521
Indicator value	98.8%	98.8%	98.9%	99.8%	99.8%	99.8%	99.7%	99.6%

Licensee Comments: none

# Occupational Exposure Control Effectiveness



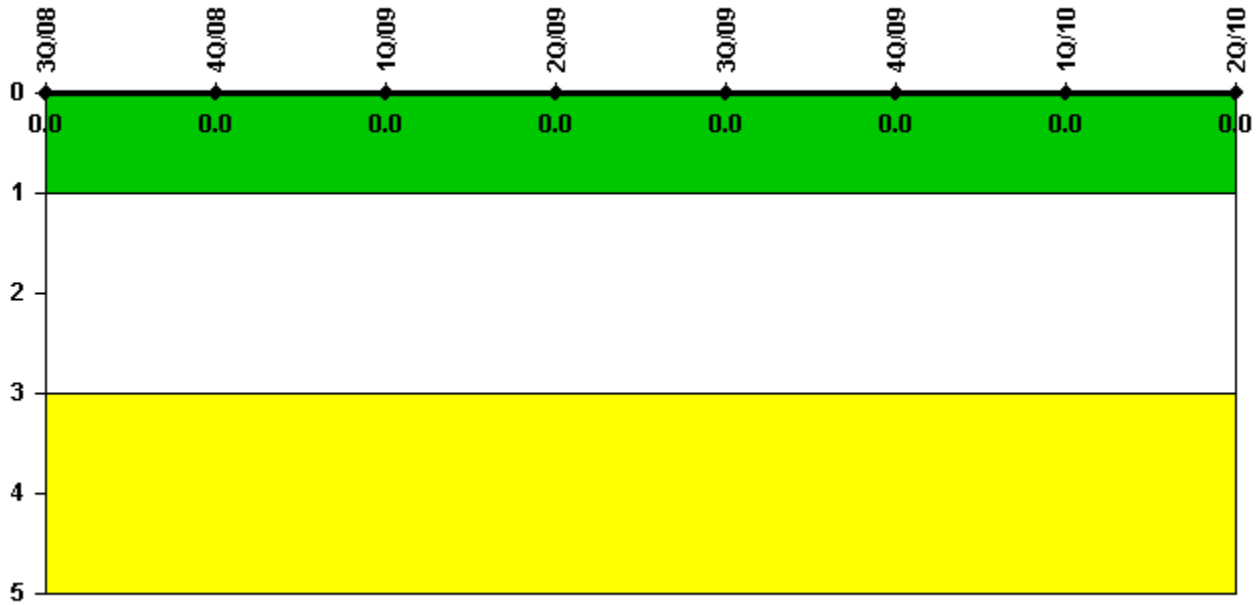
Thresholds: White > 2.0 Yellow > 5.0

## Notes

Occupational Exposure Control Effectiveness	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	1	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>1</b>	<b>1</b>

Licensee Comments: none

# RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

## Notes

RETS/ODCM Radiological Effluent	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
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.