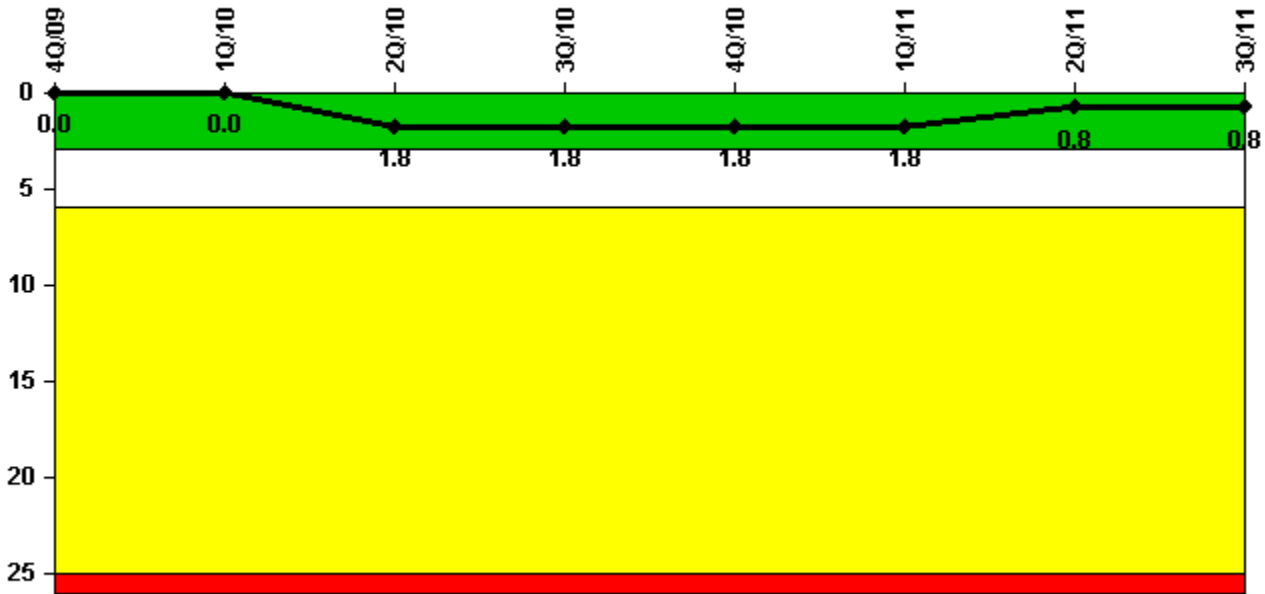


# Prairie Island 2

## 3Q/2011 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



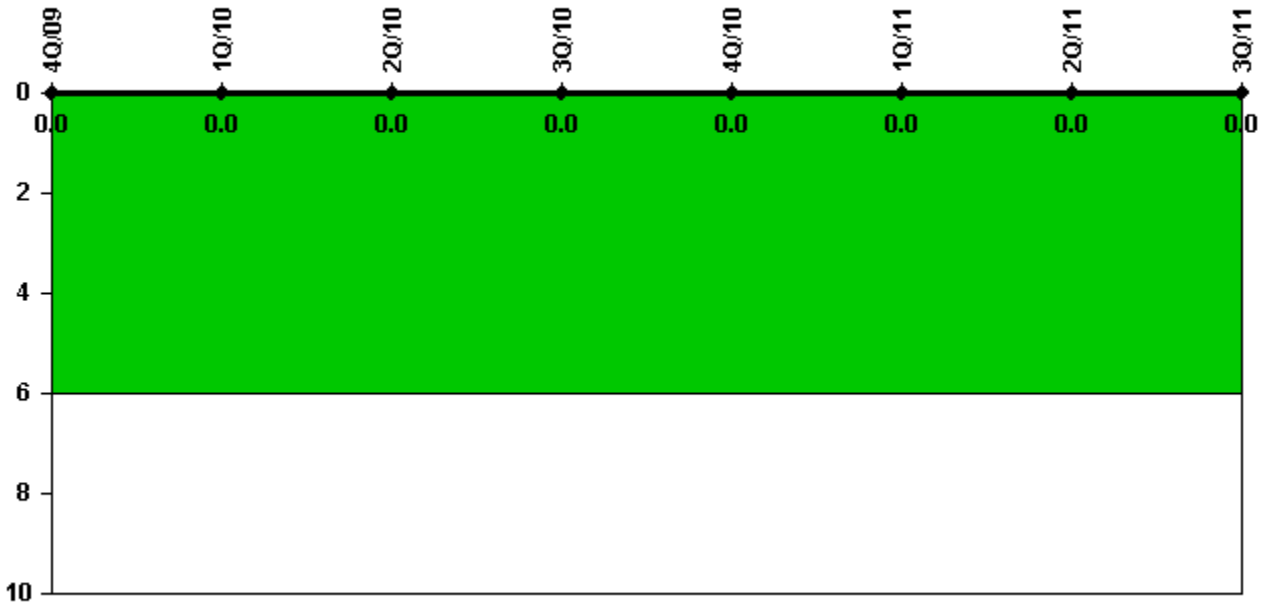
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned scrams	0	0	2.0	0	0	0	1.0	0
Critical hours	2209.0	2159.0	1293.2	2208.0	2209.0	2159.0	2163.4	2208.0
Indicator value	0	0	1.8	1.8	1.8	1.8	0.8	0.8

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



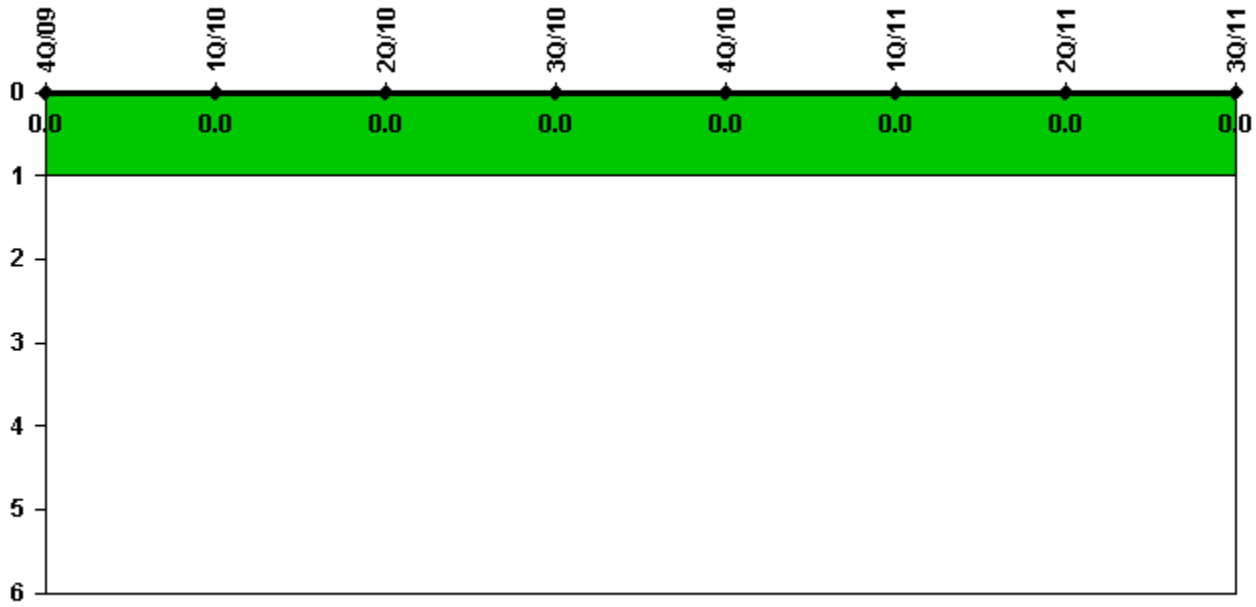
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	1293.2	2208.0	2209.0	2159.0	2163.4	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

## Unplanned Scrams with Complications



Thresholds: White > 1.0

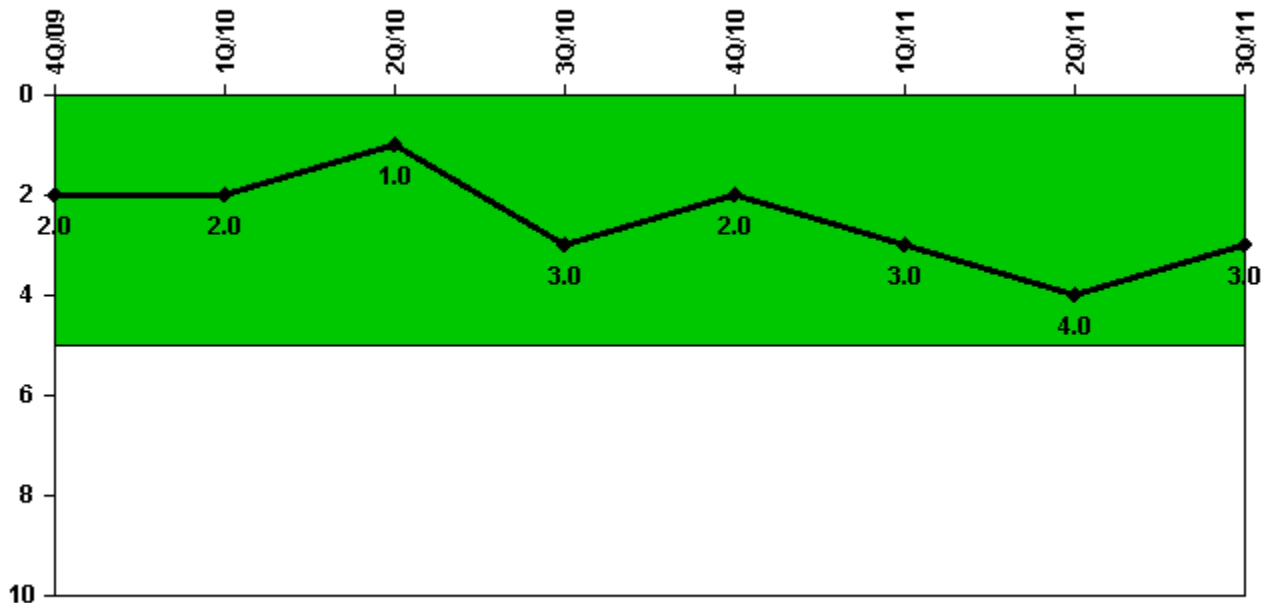
### Notes

Unplanned Scrams with Complications	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/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

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## Safety System Functional Failures (PWR)



Thresholds: White > 5.0

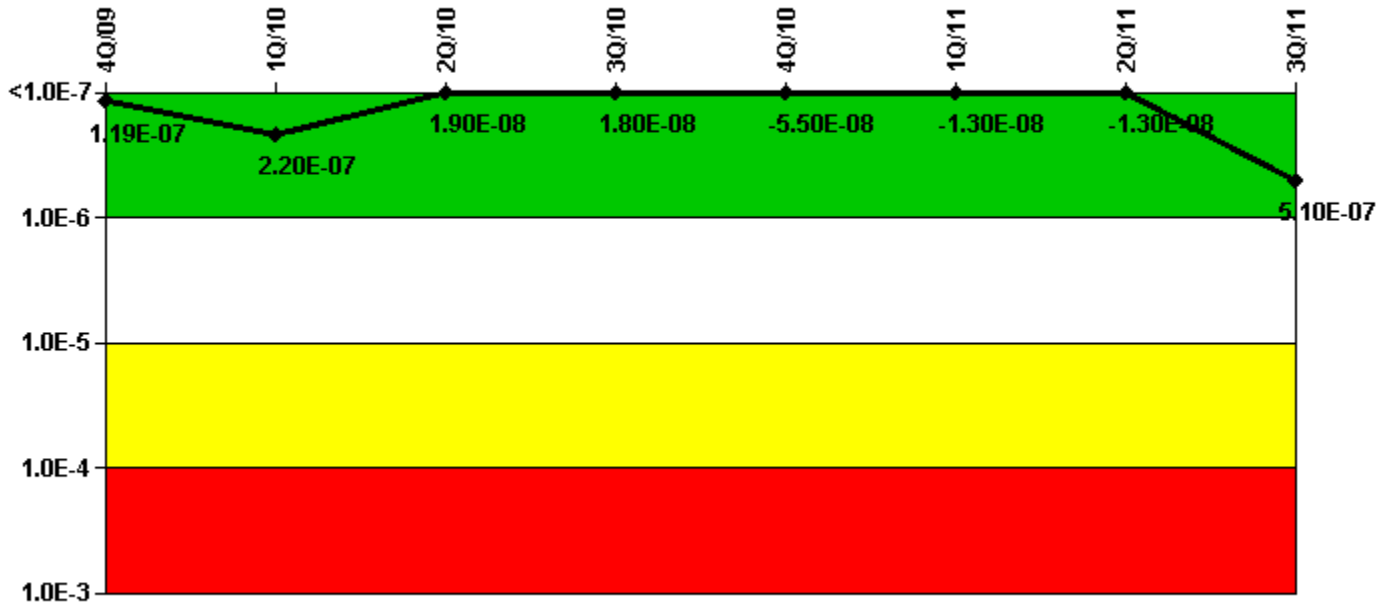
### Notes

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

Licensee Comments:

3Q/11: LER # 50-306/2011-003-00. Report date 8/23/2011 - Unit 2 Offsite Power Sources Declared Inoperable as a Consequence of the Loss of the 2RY Transformer Bus Duct (L-PI-11-066).

# Mitigating Systems Performance Index, Emergency AC Power System



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

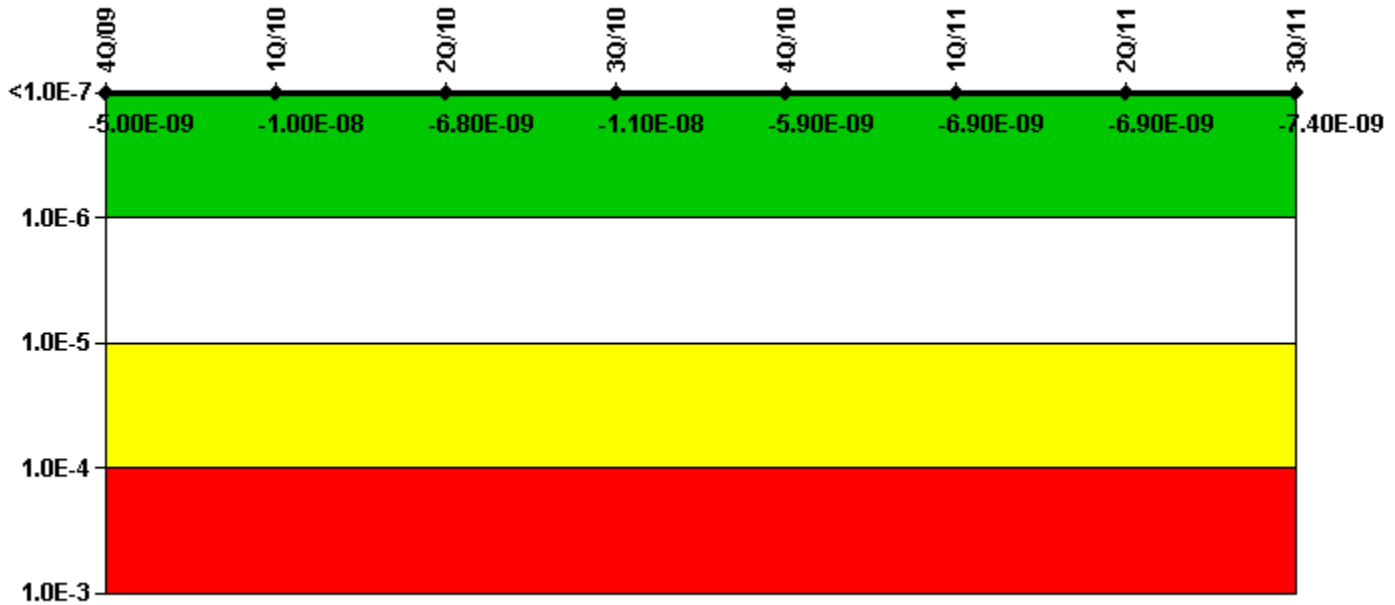
## Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	1.40E-07	1.44E-07	1.27E-07	1.25E-07	5.28E-08	9.44E-08	9.46E-08	1.17E-07
URI (ΔCDF)	-2.10E-08	7.17E-08	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	3.92E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.19E-07	2.20E-07	1.90E-08	1.80E-08	-5.50E-08	-1.30E-08	-1.30E-08	5.10E-07

Licensee Comments:

3Q/11: Risk Cap Invoked.

# Mitigating Systems Performance Index, High Pressure Injection System



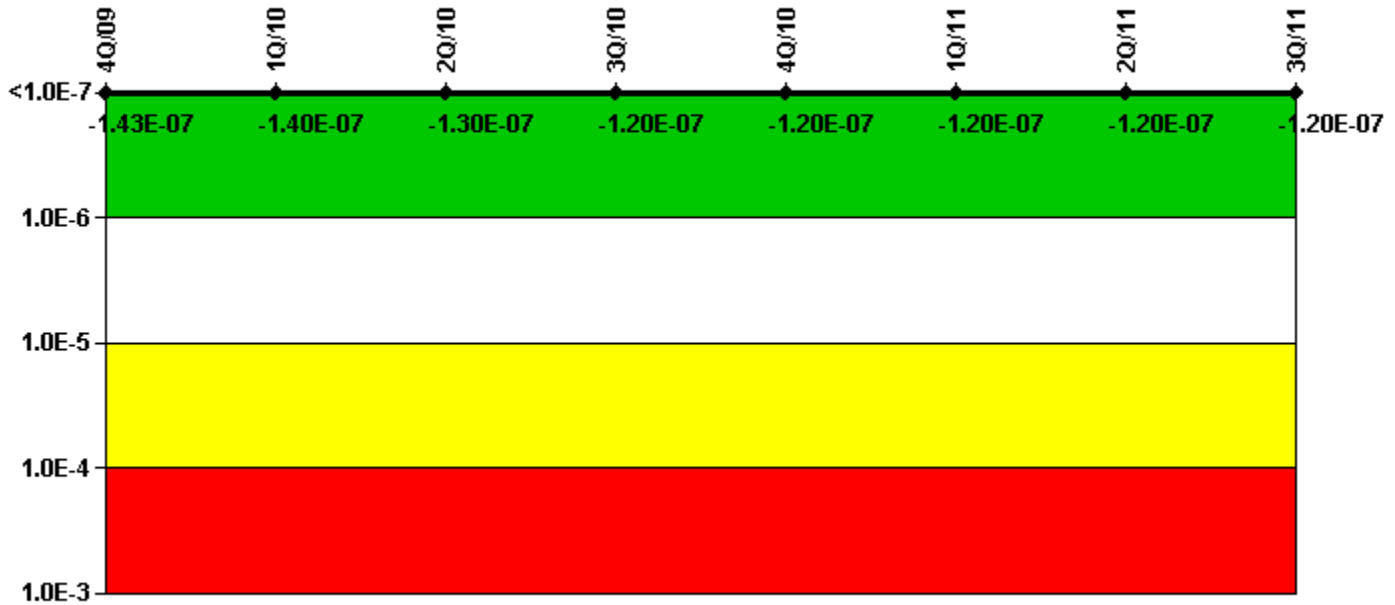
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI ( $\Delta$ CDF)	1.20E-08	6.60E-09	1.01E-08	6.24E-09	1.11E-08	1.00E-08	1.00E-08	9.53E-09
URI ( $\Delta$ CDF)	-1.70E-08	-1.69E-08	-1.69E-08	-1.69E-08	-1.69E-08	-1.69E-08	-1.69E-08	-1.69E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.00E-09	-1.00E-08	-6.80E-09	-1.10E-08	-5.90E-09	-6.90E-09	-6.90E-09	-7.40E-09

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



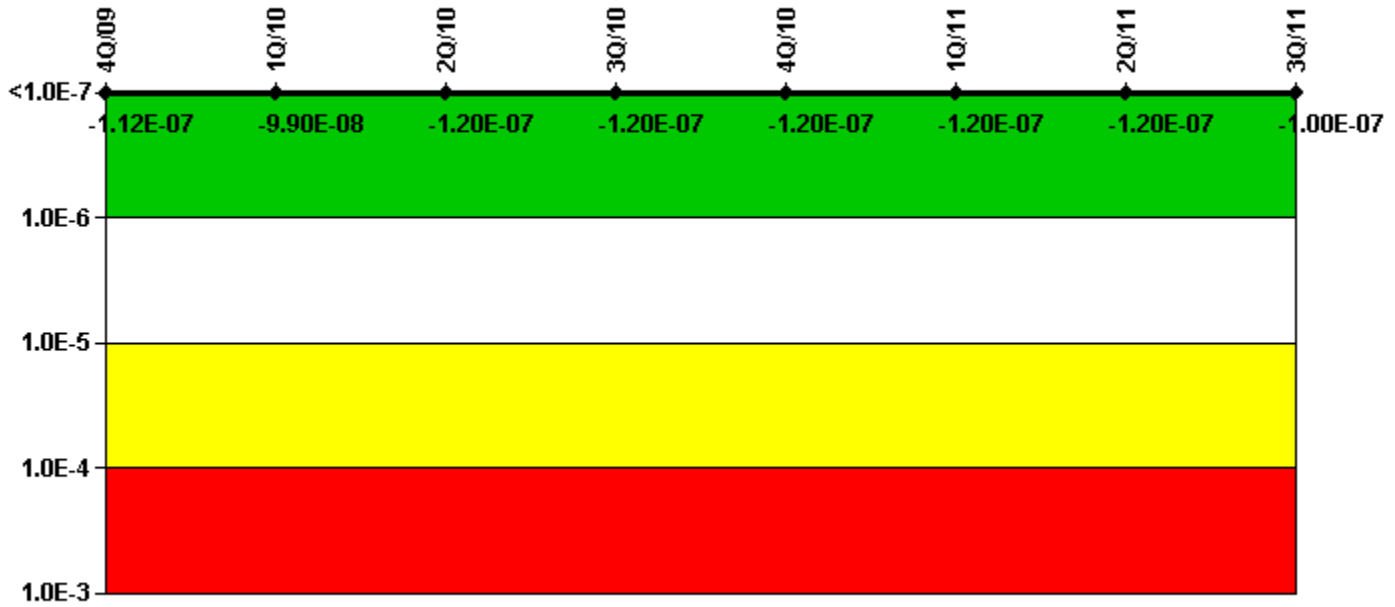
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI ( $\Delta$ CDF)	-1.30E-08	-1.35E-08	7.26E-09	7.87E-09	8.61E-09	1.41E-08	1.42E-08	1.29E-08
URI ( $\Delta$ CDF)	-1.30E-07	-1.29E-07	-1.32E-07	-1.32E-07	-1.32E-07	-1.32E-07	-1.34E-07	-1.33E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.43E-07	-1.40E-07	-1.30E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-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

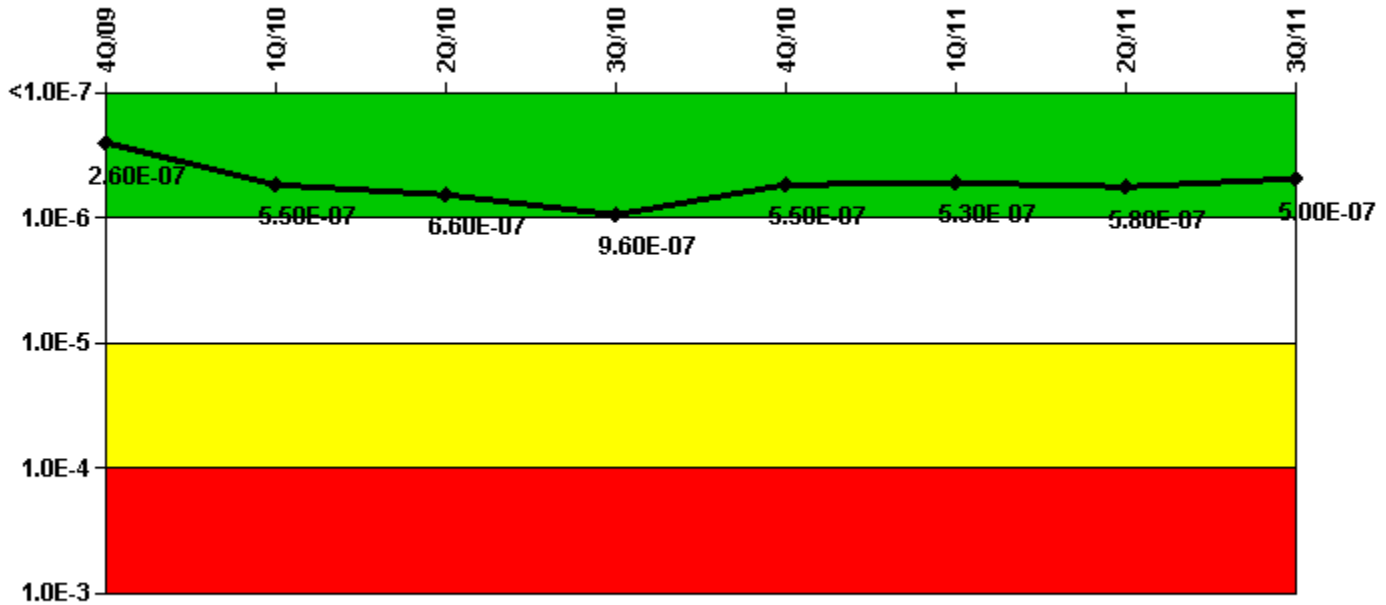
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI ( $\Delta$ CDF)	8.10E-09	7.87E-09	8.87E-09	8.87E-09	8.87E-09	8.90E-09	8.93E-09	8.60E-09
URI ( $\Delta$ CDF)	-1.20E-07	-1.07E-07	-1.31E-07	-1.31E-07	-1.31E-07	-1.31E-07	-1.31E-07	-1.12E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.12E-07	-9.90E-08	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.00E-07

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



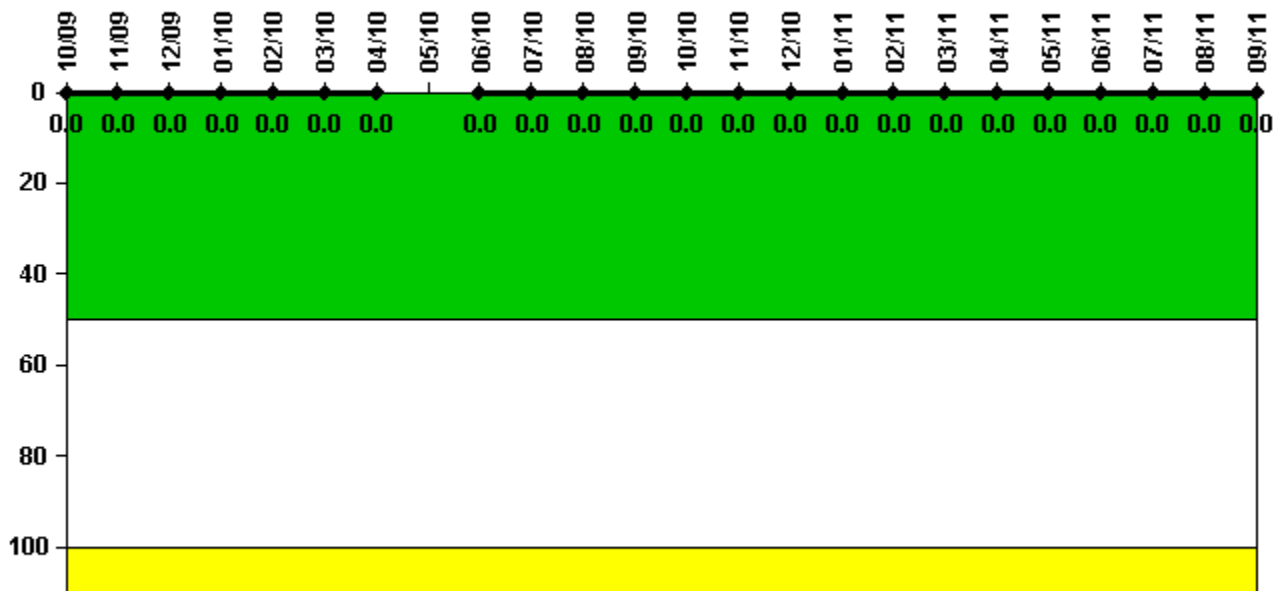
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI ( $\Delta$ CDF)	7.40E-07	1.03E-06	1.14E-06	1.42E-06	9.98E-07	9.78E-07	1.03E-06	9.39E-07
URI ( $\Delta$ CDF)	-4.80E-07	-4.78E-07	-4.80E-07	-4.54E-07	-4.50E-07	-4.47E-07	-4.47E-07	-4.41E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.60E-07	5.50E-07	6.60E-07	9.60E-07	5.50E-07	5.30E-07	5.80E-07	5.00E-07

Licensee Comments: none

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

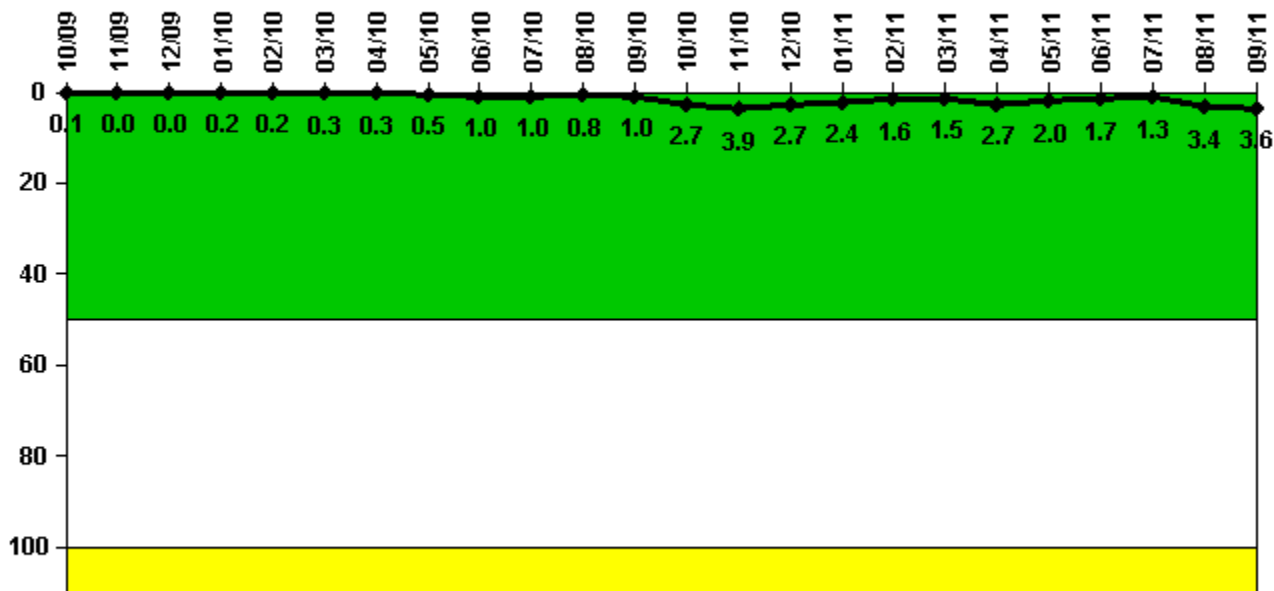
Reactor Coolant System Activity	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum activity	0.000180	0.000190	0.000230	0.000200	0.000200	0.000239	0.000207	N/A	0.000112	0.000119	0.000108	0.000150
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0	0	0	0	0	0	0	N/A	0	0	0	0

Reactor Coolant System Activity	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11
Maximum activity	0.000140	0.000147	0.000161	0.000152	0.000160	0.000162	0.000169	0.000173	0.000177	0.000211	0.000181	0.000182
Technical specification limit	0.5	0.5	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	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



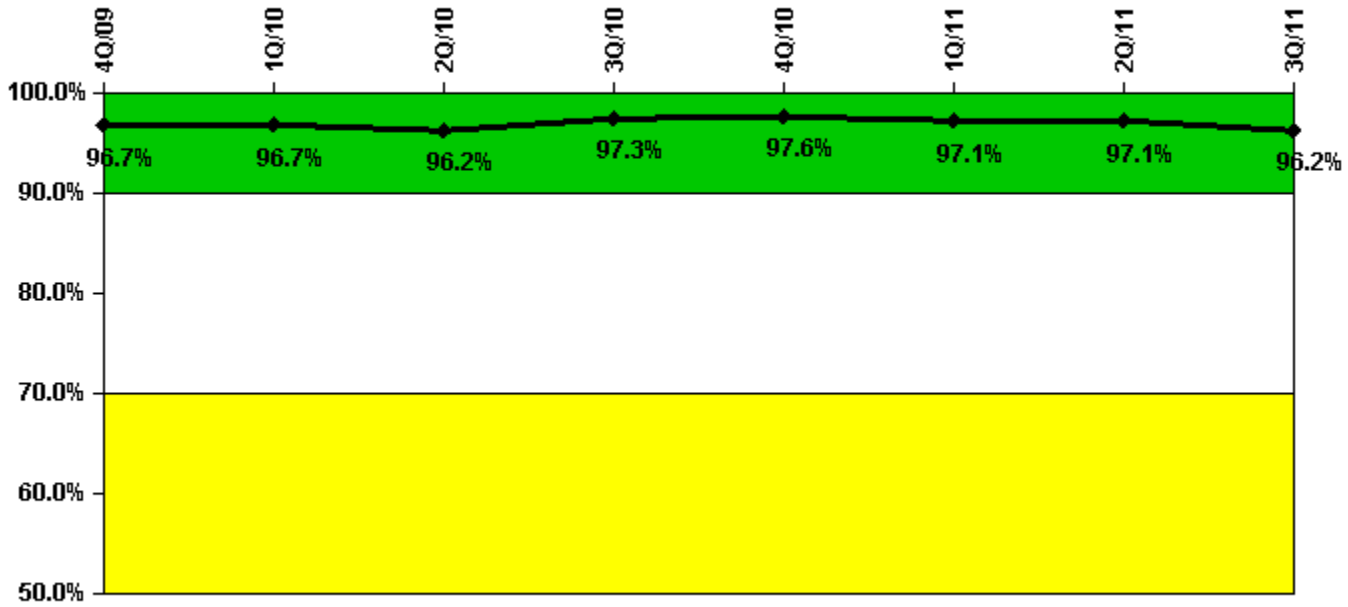
Thresholds: White > 50.0 Yellow > 100.0

### Notes

<b>Reactor Coolant System Leakage</b>	<b>10/09</b>	<b>11/09</b>	<b>12/09</b>	<b>1/10</b>	<b>2/10</b>	<b>3/10</b>	<b>4/10</b>	<b>5/10</b>	<b>6/10</b>	<b>7/10</b>	<b>8/10</b>	<b>9/10</b>
Maximum leakage	0.008	0	0	0.024	0.021	0.025	0.025	0.053	0.099	0.101	0.076	0.100
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	0.1	0	0	0.2	0.2	0.3	0.3	0.5	1.0	1.0	0.8	1.0
<b>Reactor Coolant System Leakage</b>	<b>10/10</b>	<b>11/10</b>	<b>12/10</b>	<b>1/11</b>	<b>2/11</b>	<b>3/11</b>	<b>4/11</b>	<b>5/11</b>	<b>6/11</b>	<b>7/11</b>	<b>8/11</b>	<b>9/11</b>
Maximum leakage	0.273	0.391	0.268	0.242	0.164	0.150	0.267	0.204	0.169	0.125	0.339	0.355
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	2.7	3.9	2.7	2.4	1.6	1.5	2.7	2.0	1.7	1.3	3.4	3.6

Licensee Comments: none

## Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

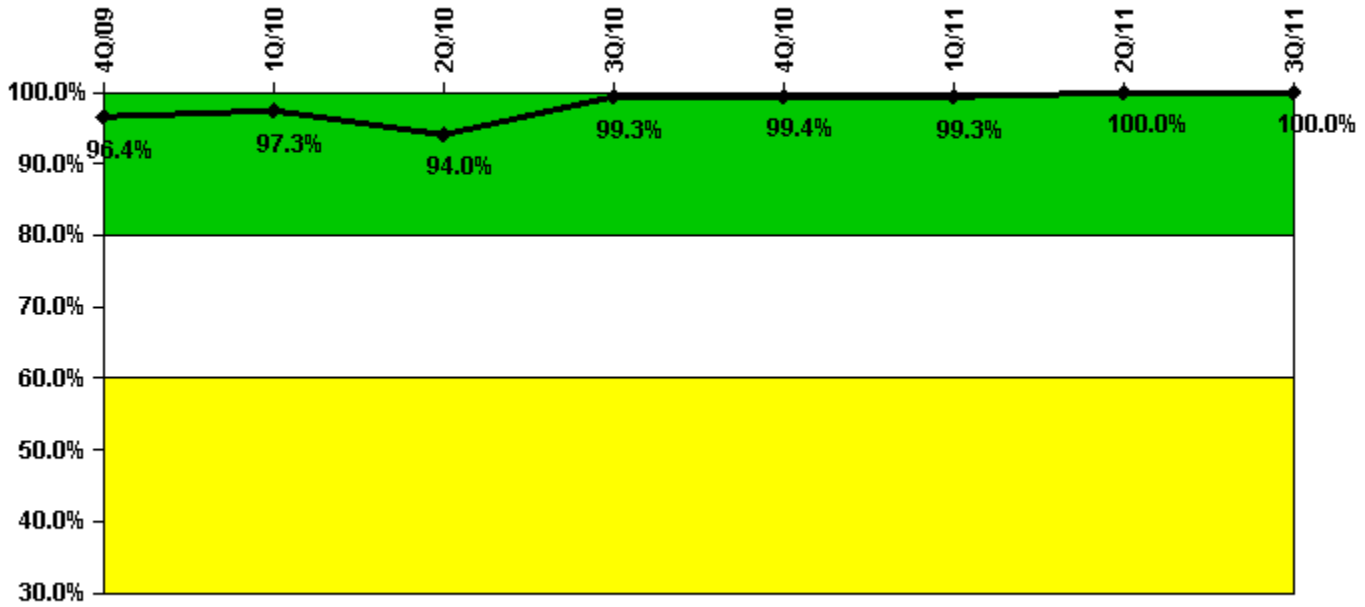
### Notes

Drill/Exercise Performance	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful opportunities	20.0	48.0	30.0	60.0	22.0	40.0	6.0	29.0
Total opportunities	20.0	52.0	32.0	60.0	23.0	40.0	6.0	32.0
Indicator value	96.7%	96.7%	96.2%	97.3%	97.6%	97.1%	97.1%	96.2%

Licensee Comments:

4Q/10: Error was discovered in 4th quarter 2010 data. DEP credit was taken for unanticipated notification.

# ERO Drill Participation



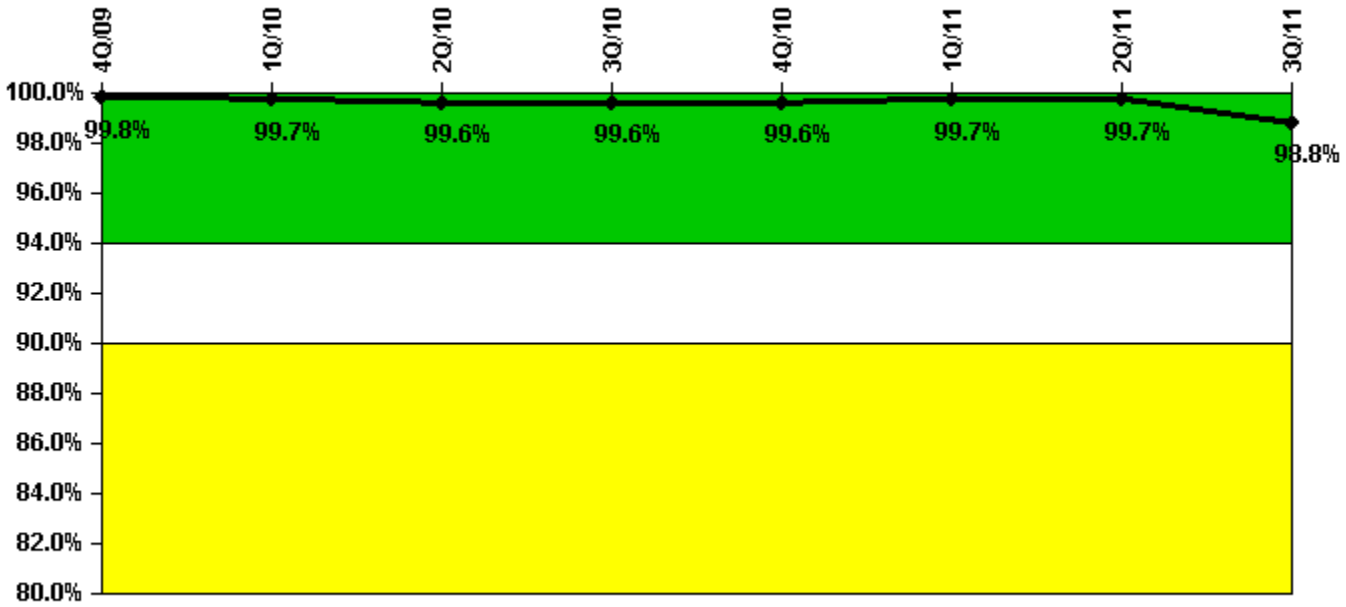
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

ERO Drill Participation	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Participating Key personnel	159.0	144.0	140.0	150.0	153.0	141.0	141.0	143.0
Total Key personnel	165.0	148.0	149.0	151.0	154.0	142.0	141.0	143.0
Indicator value	96.4%	97.3%	94.0%	99.3%	99.4%	99.3%	100.0%	100.0%

Licensee Comments: none

# Alert & Notification System



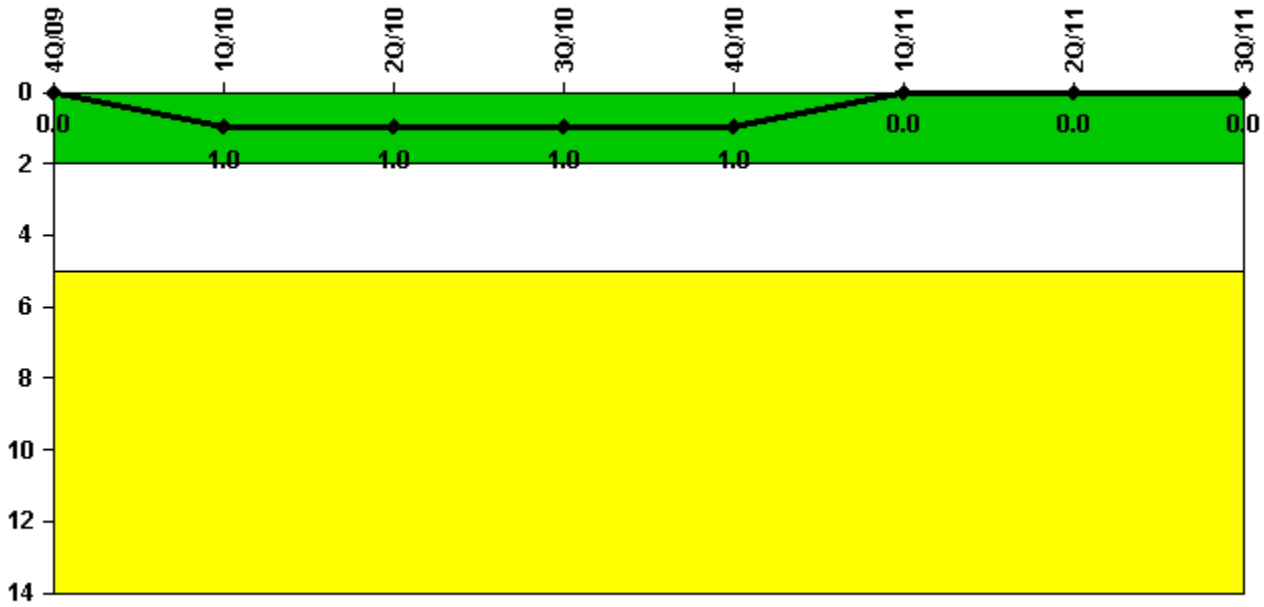
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful siren-tests	1517	1510	1515	1516	1517	1519	1512	1463
Total sirens-tests	1521	1521	1521	1521	1521	1521	1521	1521
Indicator value	99.8%	99.7%	99.6%	99.6%	99.6%	99.7%	99.7%	98.8%

Licensee Comments: none

## Occupational Exposure Control Effectiveness



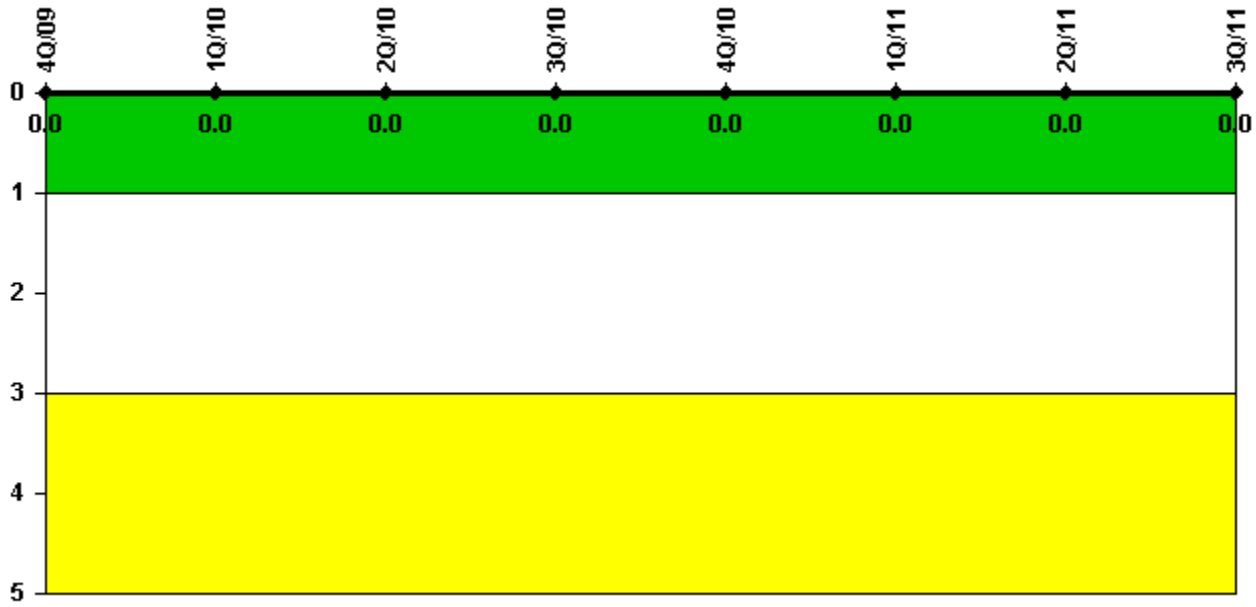
Thresholds: White > 2.0 Yellow > 5.0

### Notes

Occupational Exposure Control Effectiveness	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	1	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	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/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.