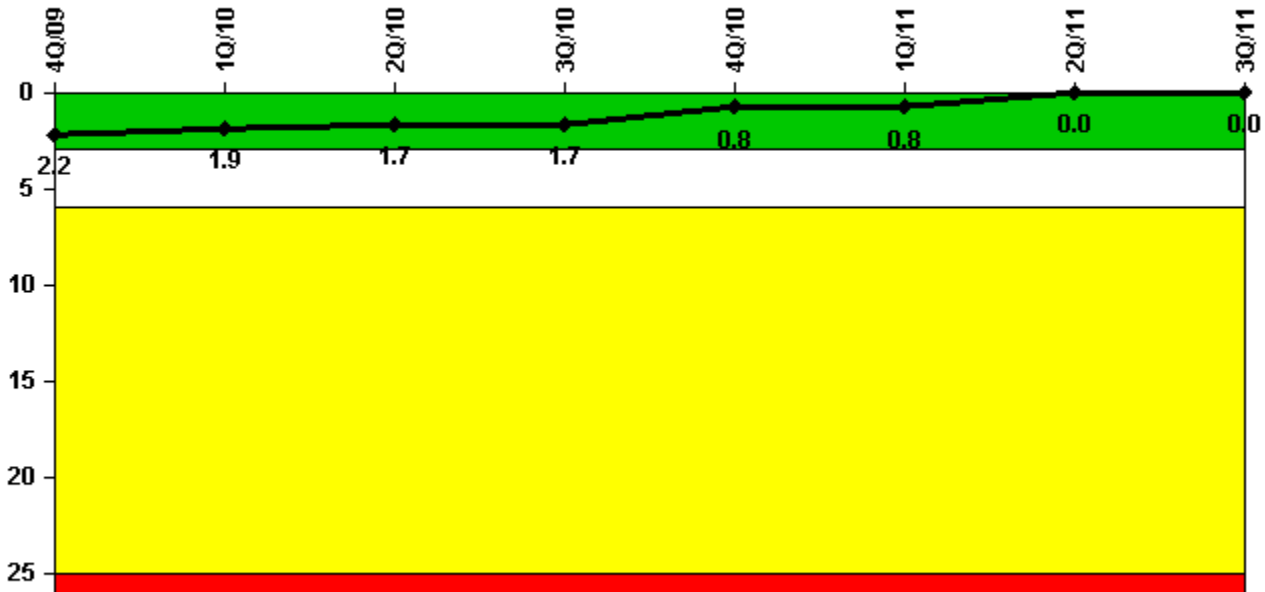


# Perry 1

## 3Q/2011 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



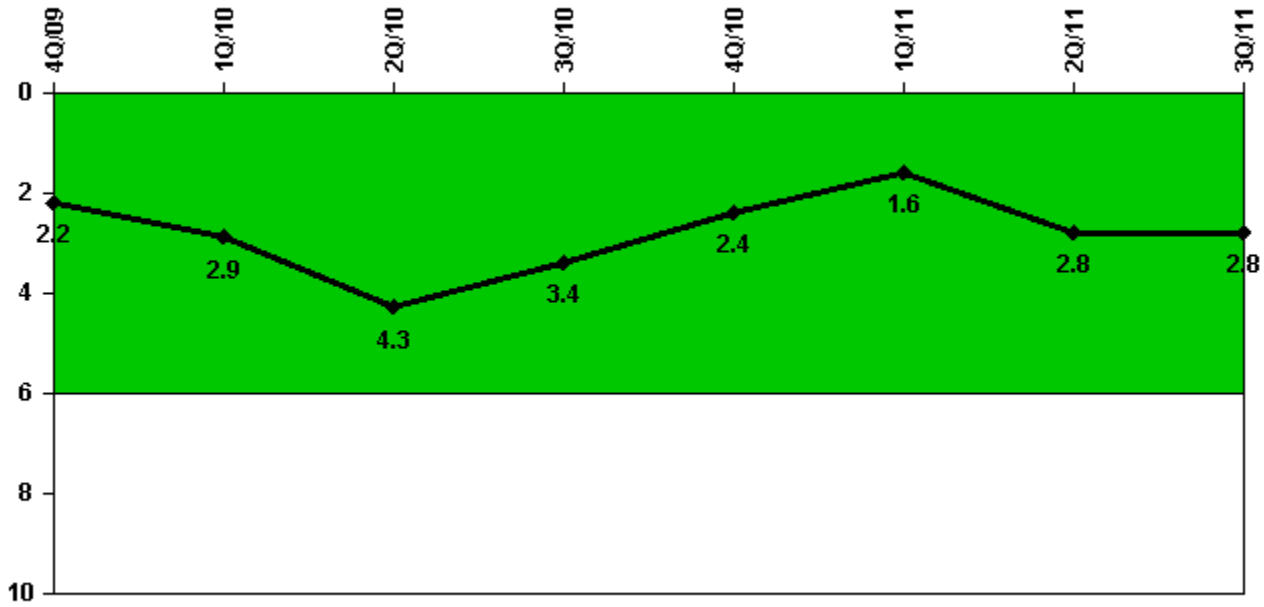
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	1.0	0	1.0	0	0	0	0	0
Critical hours	1801.9	2159.0	2049.3	2208.0	2209.0	2159.0	1022.4	2208.0
Indicator value	2.2	1.9	1.7	1.7	0.8	0.8	0	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



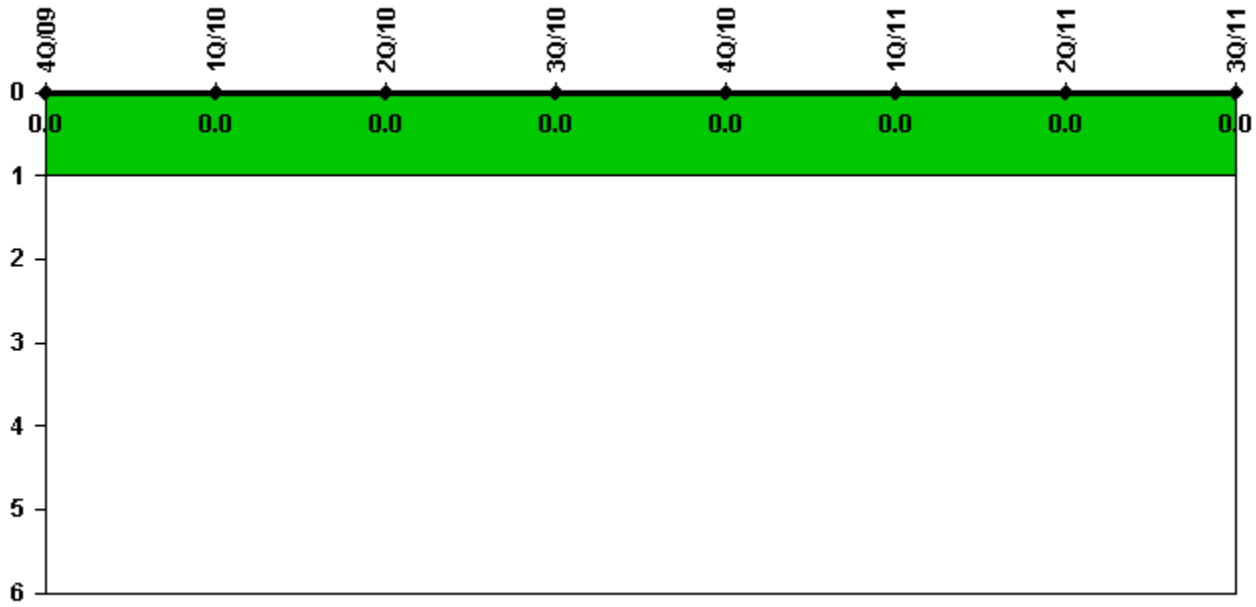
Thresholds: White > 6.0

### 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	1.0	1.0	2.0	0	0	0	3.0	0
Critical hours	1801.9	2159.0	2049.3	2208.0	2209.0	2159.0	1022.4	2208.0
Indicator value	2.2	2.9	4.3	3.4	2.4	1.6	2.8	2.8

Licensee Comments: none

# Unplanned Scrams with Complications



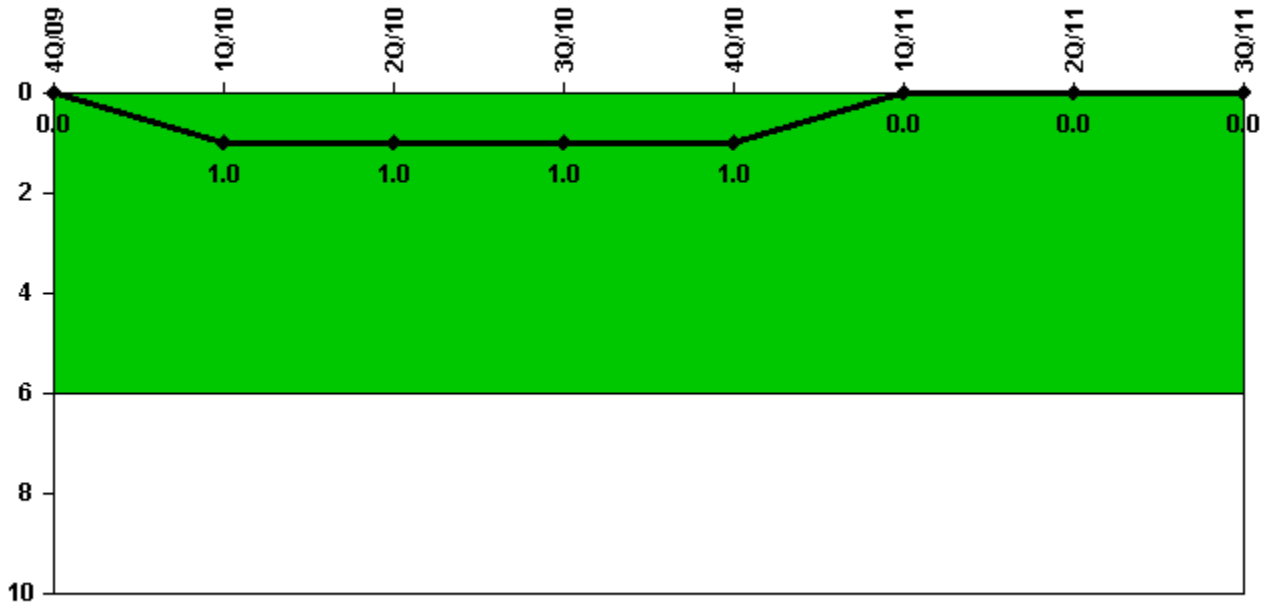
Thresholds: White > 1.0

## 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

## Safety System Functional Failures (BWR)



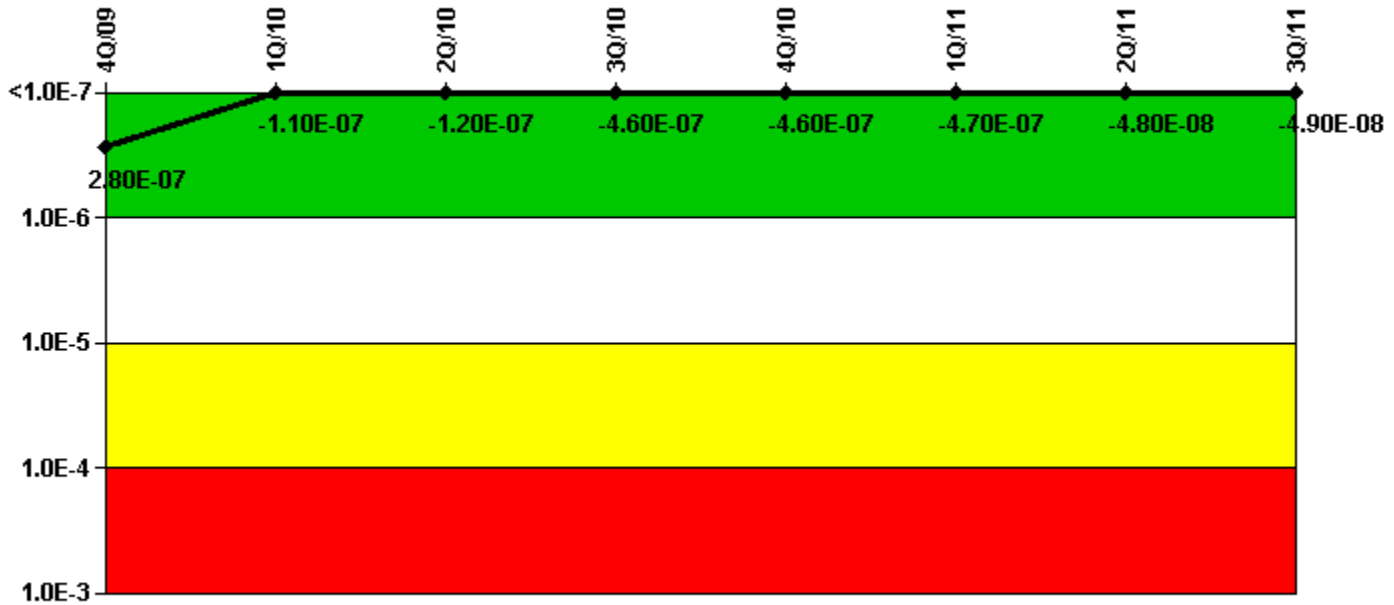
Thresholds: White > 6.0

### Notes

Safety System Functional Failures (BWR)	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/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	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	-2.85E-09	1.06E-07	1.01E-07	7.68E-08	8.43E-08	6.67E-08	1.23E-08	1.07E-08
URI (ΔCDF)	2.84E-07	-2.16E-07	-2.16E-07	-5.41E-07	-5.41E-07	-5.41E-07	-6.01E-08	-6.01E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.80E-07	-1.10E-07	-1.20E-07	-4.60E-07	-4.60E-07	-4.70E-07	-4.80E-08	-4.90E-08

Licensee Comments:

4Q/10: Changed PRA Parameter(s).

3Q/10: Changed PRA Parameter(s).

2Q/10: Changed PRA Parameter(s).

1Q/10: Changed PRA Parameter(s).

4Q/09: Risk Cap Invoked. Changed PRA Parameter(s).

3Q/09: Risk Cap Invoked. Changed PRA Parameter(s).

2Q/09: Risk Cap Invoked. Changed PRA Parameter(s).

1Q/09: Risk Cap Invoked. Changed PRA Parameter(s). Corrected February 2009 Unplanned Unavailable hours for the Division 2 EDG to 1.87 hours from 0.00 hours initially reported, due to EDG inoperability during fire protection CO2 testing on 02/04/09. Reference LER 2009-002 (PY). Correction reported in Q3 2009 PI data submittal. PI color is green and is not changed by this correction.

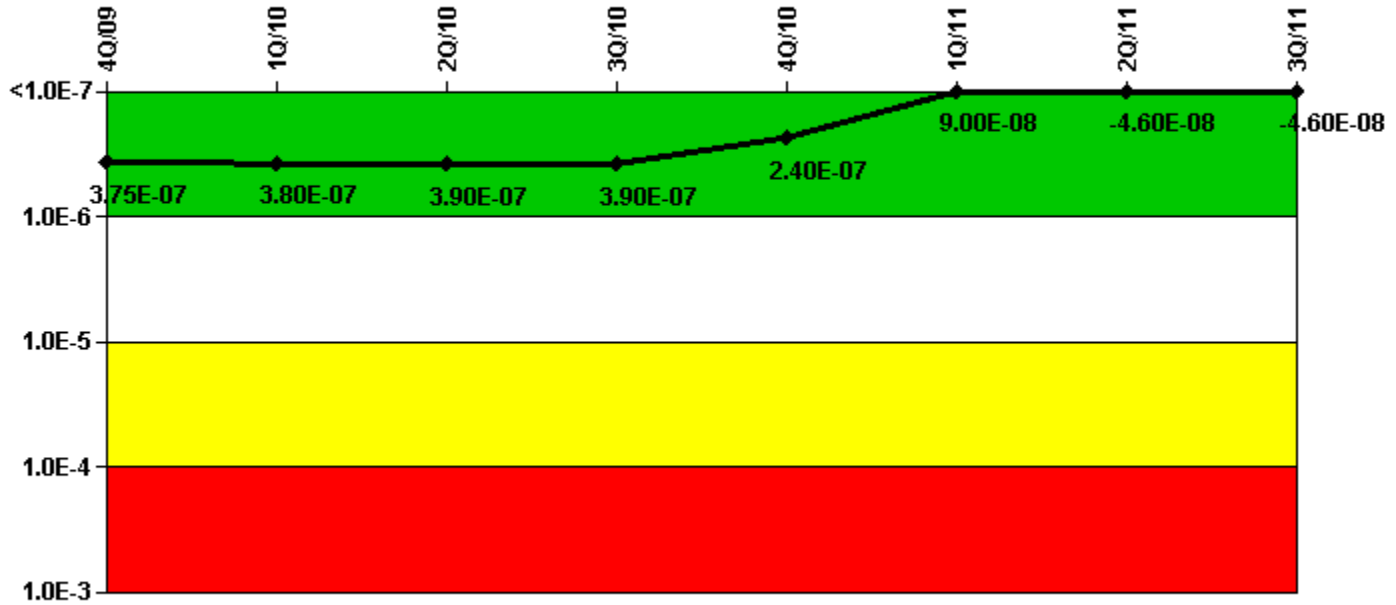
4Q/08: Risk Cap Invoked. Changed PRA Parameter(s).



Pressure Injection System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI ( $\Delta$ CDF)	4.10E-10	4.10E-10	2.26E-10	3.18E-08	3.20E-08	3.27E-08	6.19E-08	6.19E-08
URI ( $\Delta$ CDF)	-5.70E-08	-5.69E-08	-5.69E-08	-5.69E-08	-5.57E-08	-5.57E-08	-6.26E-08	-6.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.66E-08	-5.60E-08	-5.70E-08	-2.50E-08	-2.40E-08	-2.30E-08	-6.80E-10	-7.20E-10

Licensee Comments: none

### Mitigating Systems Performance Index, Heat Removal System



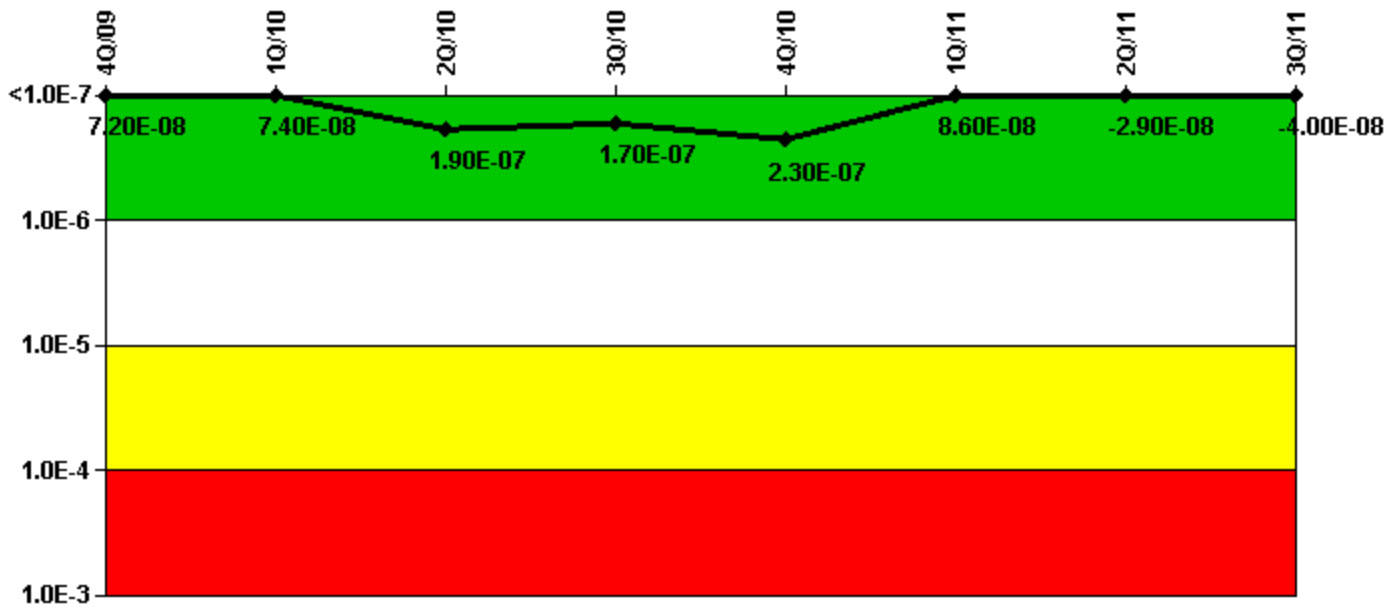
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### 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)	5.50E-08	5.48E-08	6.93E-08	6.61E-08	3.11E-08	-1.53E-09	-5.20E-09	-5.20E-09
URI ( $\Delta$ CDF)	3.20E-07	3.23E-07	3.23E-07	3.23E-07	2.11E-07	9.18E-08	-4.03E-08	-4.03E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.75E-07	3.80E-07	3.90E-07	3.90E-07	2.40E-07	9.00E-08	-4.60E-08	-4.60E-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

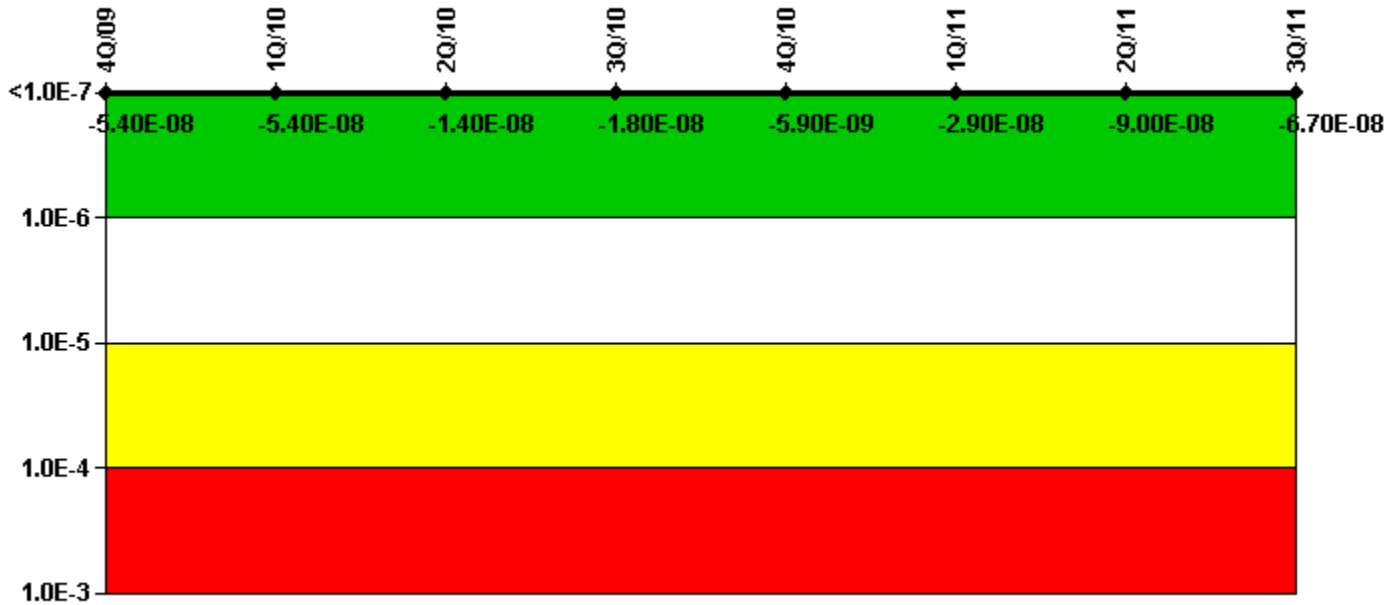
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	1.11E-07	1.13E-07	2.26E-07	2.13E-07	2.67E-07	1.25E-07	5.15E-08	4.01E-08
URI (ΔCDF)	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08	-3.90E-08	-8.04E-08	-8.04E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	7.20E-08	7.40E-08	1.90E-07	1.70E-07	2.30E-07	8.60E-08	-2.90E-08	-4.00E-08

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



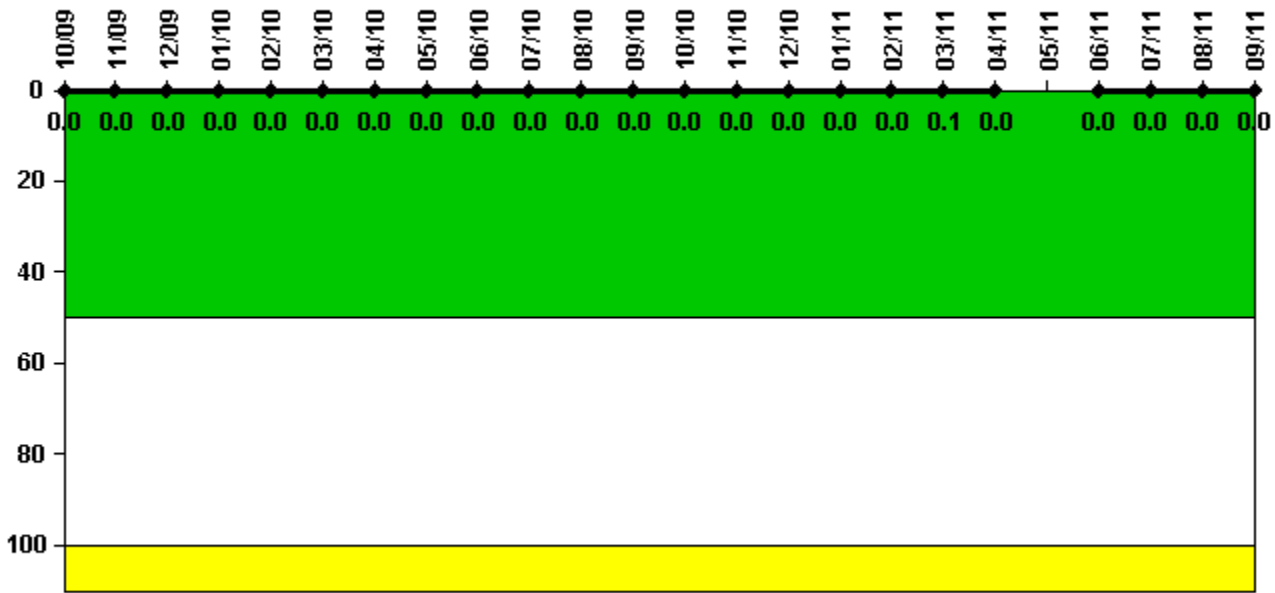
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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)	-1.50E-08	-1.48E-08	2.54E-08	2.06E-08	3.09E-08	7.45E-09	-4.98E-08	-2.63E-08
URI ( $\Delta$ CDF)	-3.90E-08	-3.89E-08	-3.89E-08	-3.89E-08	-3.68E-08	-3.68E-08	-4.06E-08	-4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.40E-08	-5.40E-08	-1.40E-08	-1.80E-08	-5.90E-09	-2.90E-08	-9.00E-08	-6.70E-08

Licensee Comments: none

# Reactor Coolant System Activity



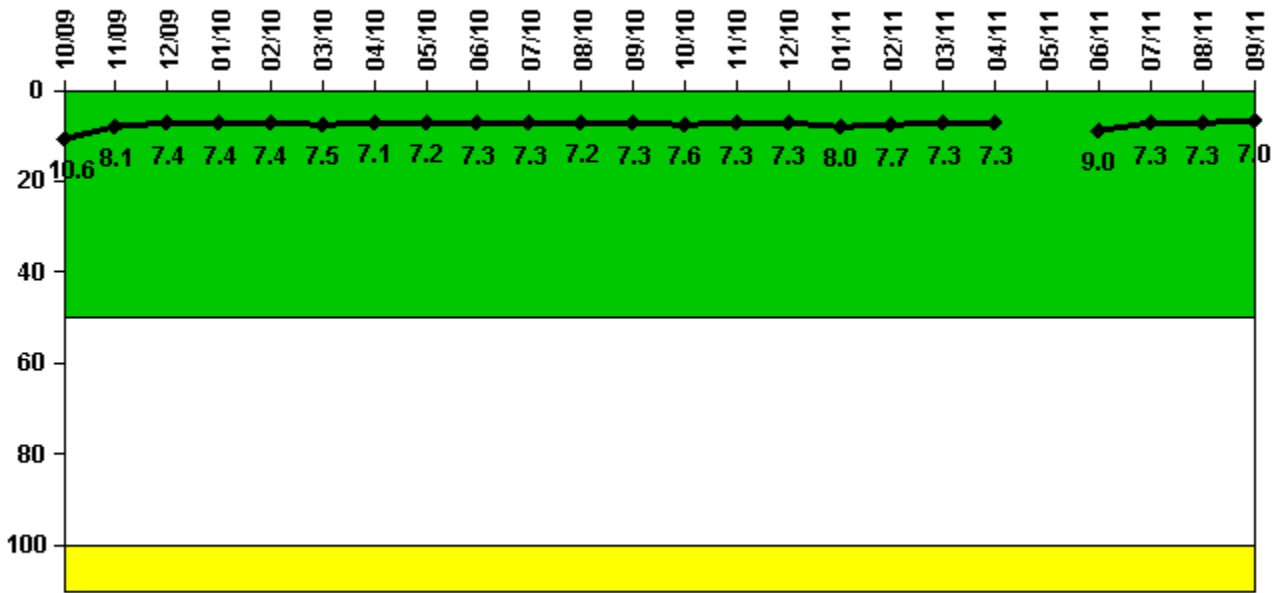
Thresholds: White > 50.0 Yellow > 100.0

## 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	0.000012	0.000014	0.000019	0.000017	0.000018	0.000018	0.000018	0.000024	0.000022	0.000020	0.000022	0.000030
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	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	0.000026	0.000029	0.000026	0.000027	0.000025	0.000201	0.000042	N/A	0.000024	0.000024	0.000041	0.000023
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	0.1	0	N/A	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



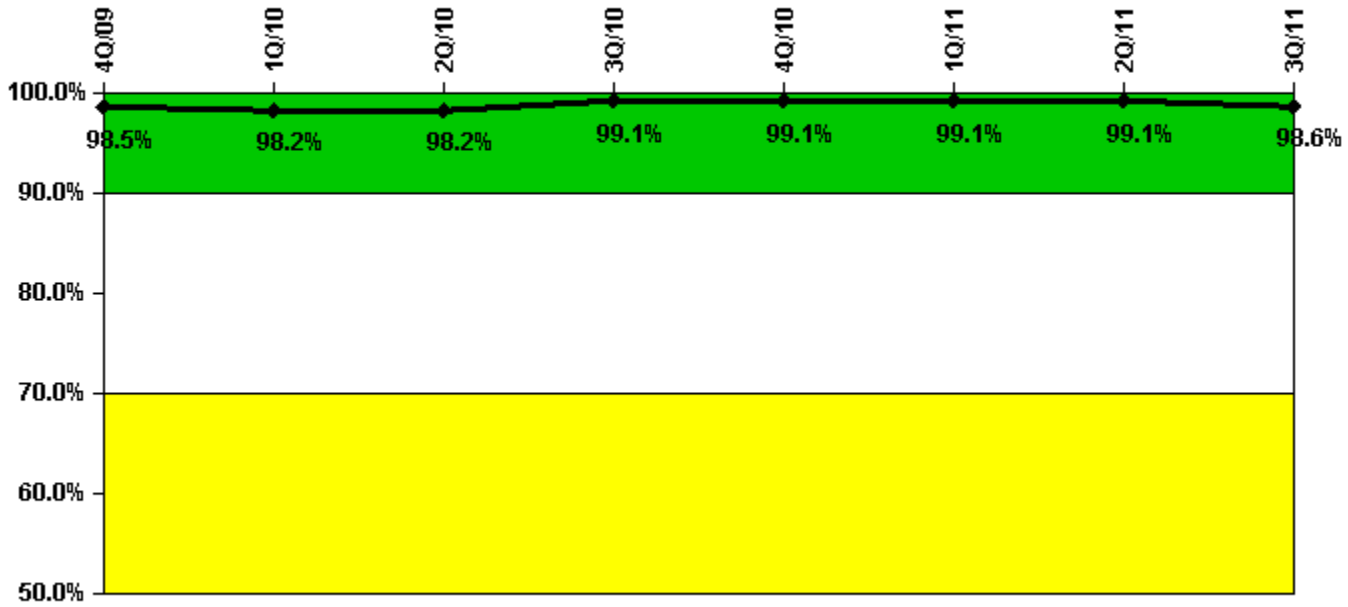
Thresholds: White > 50.0 Yellow > 100.0

### 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	3.170	2.420	2.230	2.230	2.230	2.240	2.130	2.150	2.190	2.200	2.150	2.200
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	10.6	8.1	7.4	7.4	7.4	7.5	7.1	7.2	7.3	7.3	7.2	7.3
<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	2.290	2.190	2.190	2.410	2.300	2.200	2.200	N/A	2.700	2.200	2.200	2.100
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	7.6	7.3	7.3	8.0	7.7	7.3	7.3	N/A	9.0	7.3	7.3	7.0

Licensee Comments: none

## Drill/Exercise Performance



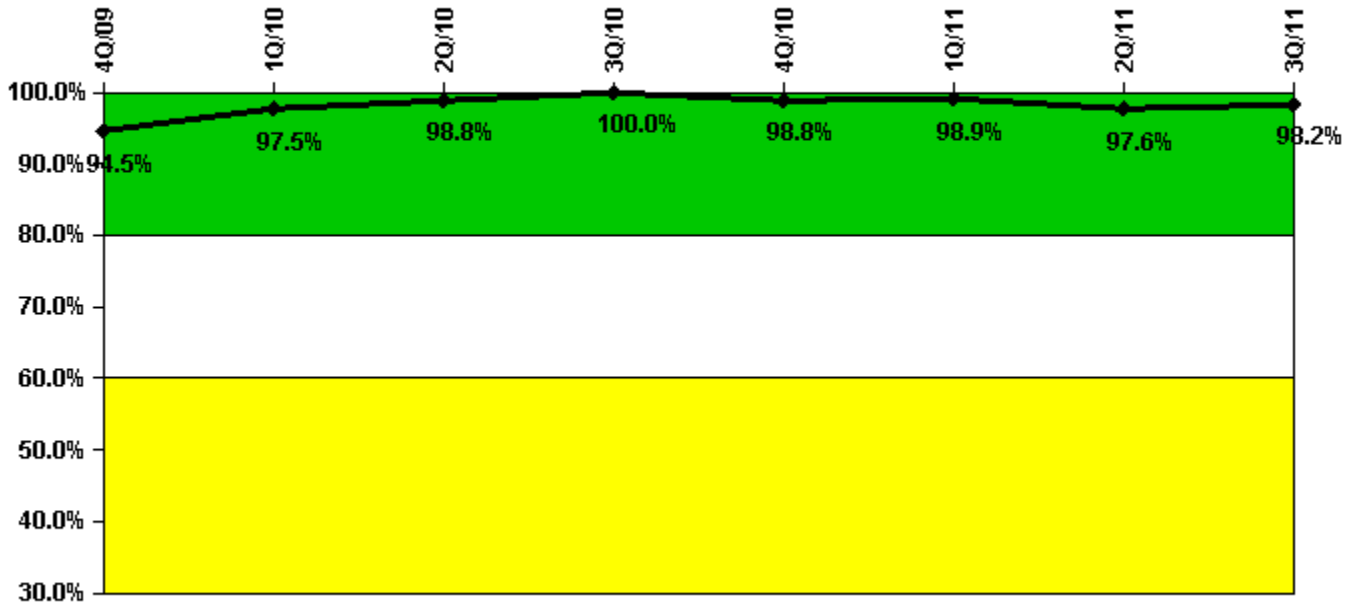
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful opportunities	30.0	37.0	20.0	48.0	21.0	31.0	0	21.0
Total opportunities	30.0	38.0	20.0	49.0	21.0	31.0	0	22.0
Indicator value	98.5%	98.2%	98.2%	99.1%	99.1%	99.1%	99.1%	98.6%

Licensee Comments: none

## ERO Drill Participation



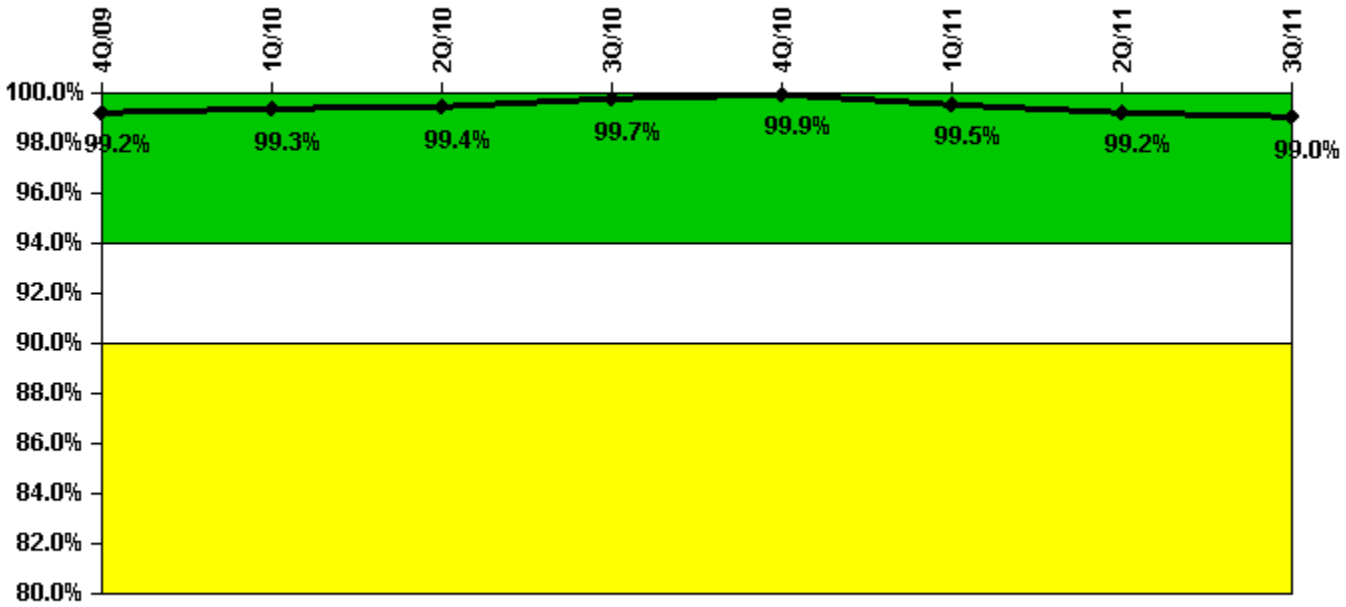
Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Participating Key personnel	156.0	158.0	162.0	166.0	162.0	173.0	166.0	163.0
Total Key personnel	165.0	162.0	164.0	166.0	164.0	175.0	170.0	166.0
Indicator value	94.5%	97.5%	98.8%	100.0%	98.8%	98.9%	97.6%	98.2%

Licensee Comments: none

# Alert & Notification System



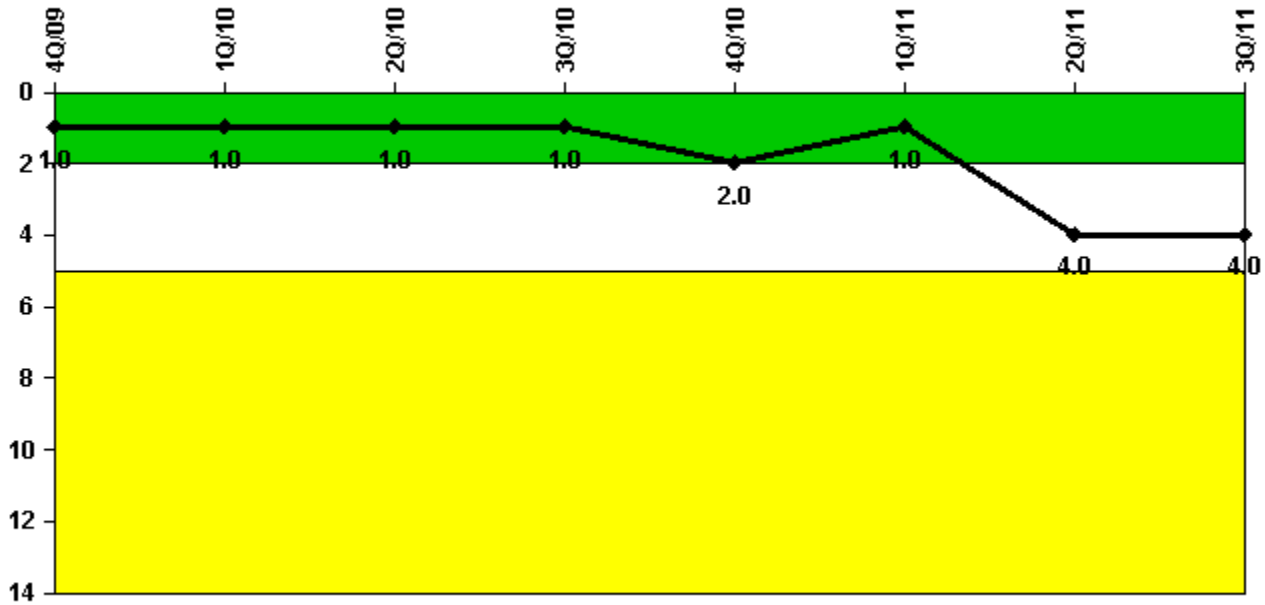
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful siren-tests	451	532	530	532	532	523	525	527
Total sirens-tests	456	532	532	532	532	532	532	532
Indicator value	99.2%	99.3%	99.4%	99.7%	99.9%	99.5%	99.2%	99.0%

Licensee Comments: none

## Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

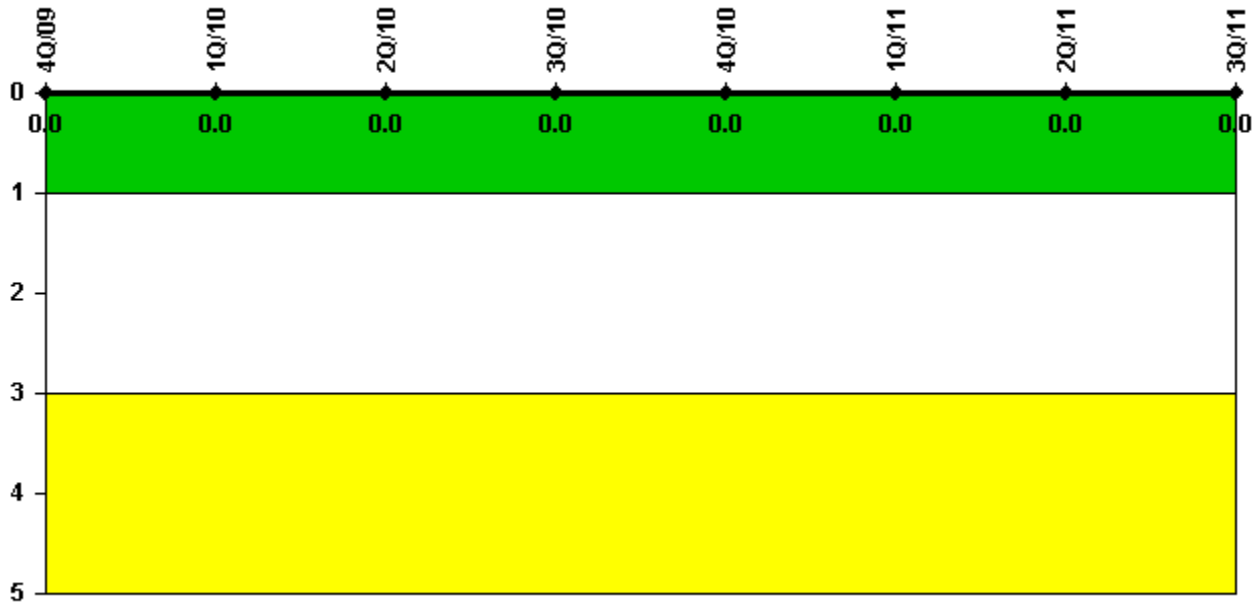
### Notes

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	1	0	0	1	0	3	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>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>4</b>

Licensee Comments:

2Q/11: OR01 indicator performance is in the Increased Regulatory Response Band (White). Changed the number of High radiation area occurrences to 2 from 1 initially reported for April 2011. The reinsertion of source range monitor C detector into the reactor vessel on April 22 has been re-evaluated and determined to be reportable based on the dose rates in the accessible undervessel areas not being characterized sufficiently, which is a violation of TS 5.7.1.b. The indicator color is unchanged by this correction.

# 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.