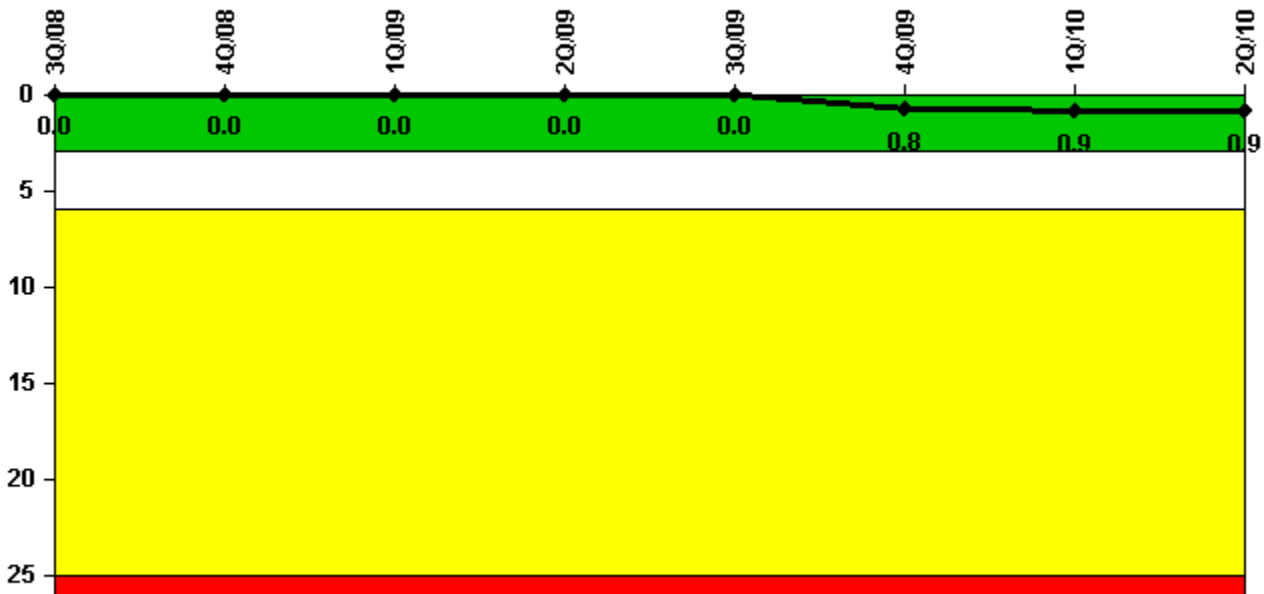


# Vogle 2

## 2Q/2010 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



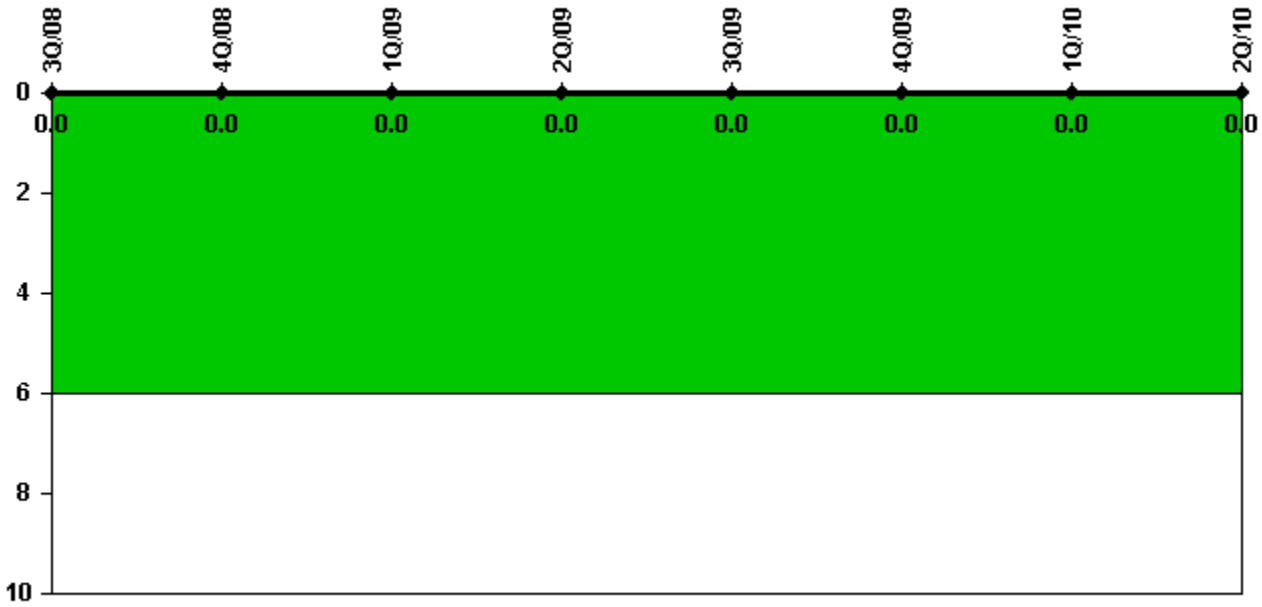
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	0	0	0	0	1.0	0	0
Critical hours	1806.0	1639.9	2159.0	2184.0	2208.0	2181.7	1565.1	2045.9
Indicator value	0	0	0	0	0	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	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	1806.0	1639.9	2159.0	2184.0	2208.0	2181.7	1565.1	2045.9
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

# Unplanned Scrams with Complications



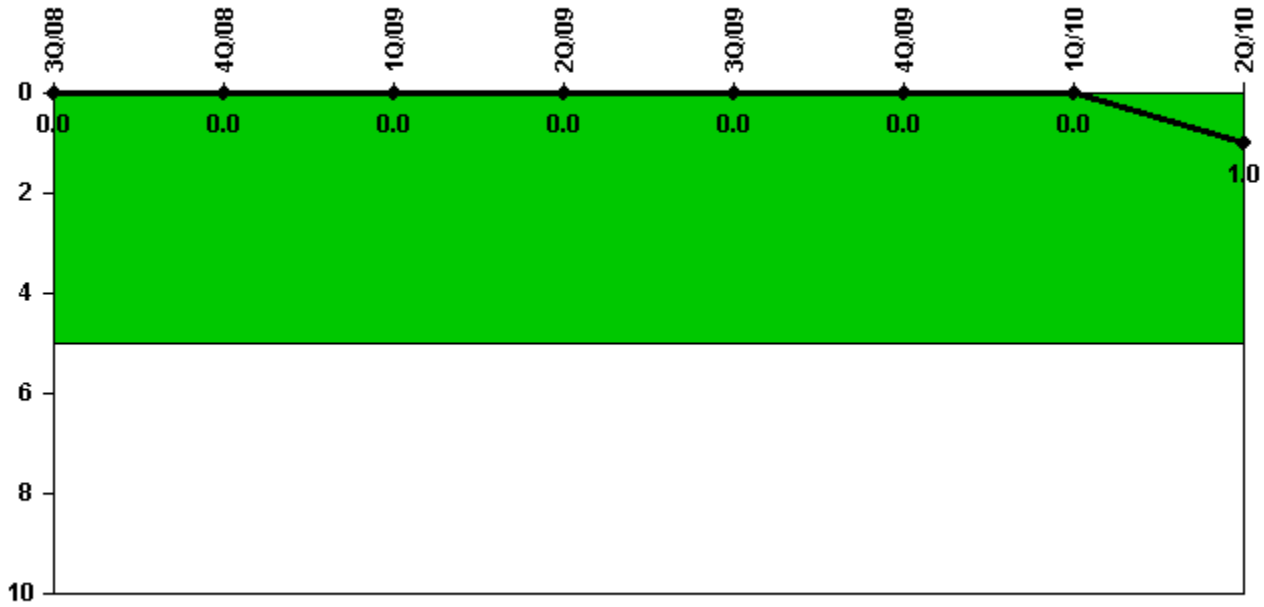
Thresholds: White > 1.0

## Notes

Unplanned Scrams with Complications	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

## Safety System Functional Failures (PWR)



Thresholds: White > 5.0

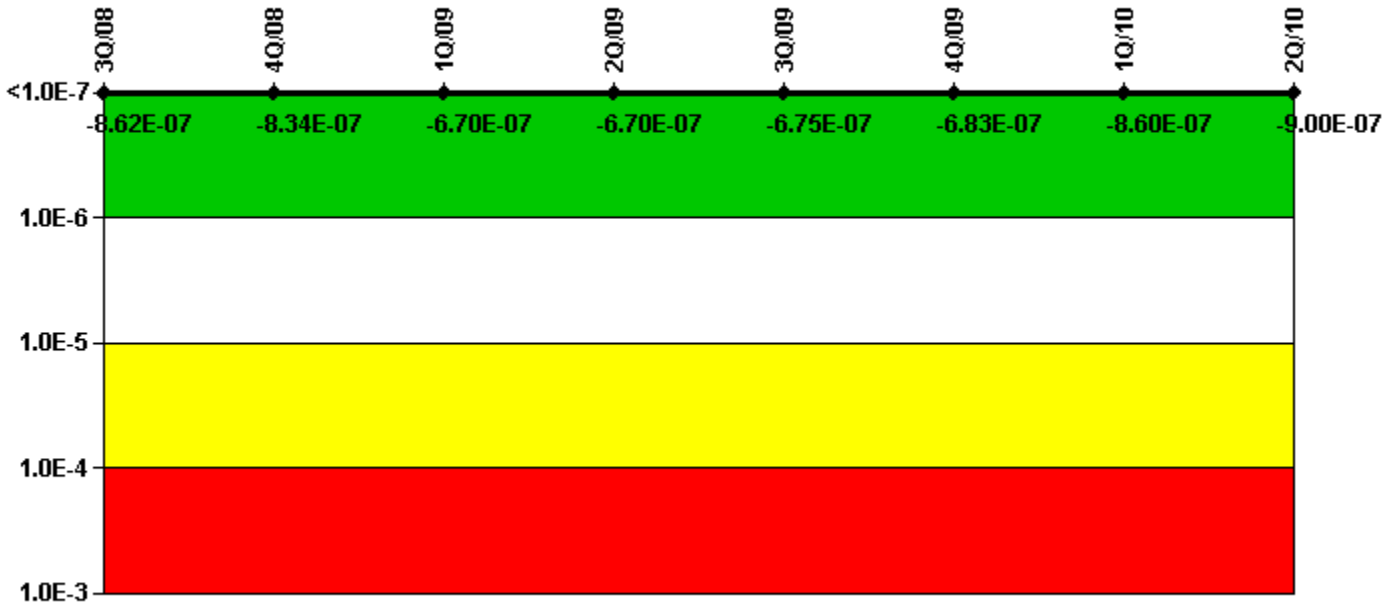
### Notes

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	0	0	0	0	0	0	0	1
Indicator value	0	0	0	0	0	0	0	1

Licensee Comments:

2Q/10: LER 2-2010-001, Closure of RHR Injection Valve in Mode 1

# Mitigating Systems Performance Index, Emergency AC Power System



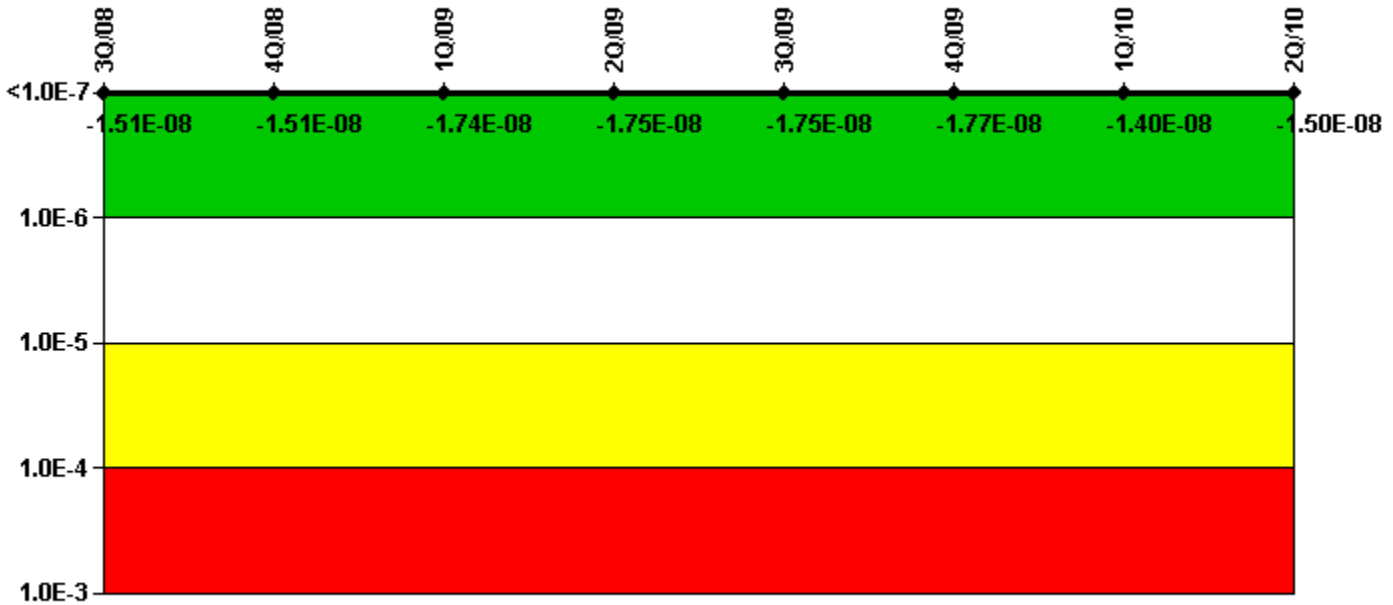
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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)	-7.20E-08	-3.40E-08	9.00E-08	9.00E-08	8.50E-08	8.70E-08	-7.14E-08	-1.01E-07
URI ( $\Delta$ CDF)	-7.90E-07	-8.00E-07	-7.60E-07	-7.60E-07	-7.60E-07	-7.70E-07	-7.90E-07	-7.96E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.62E-07	-8.34E-07	-6.70E-07	-6.70E-07	-6.75E-07	-6.83E-07	-8.60E-07	-9.00E-07

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



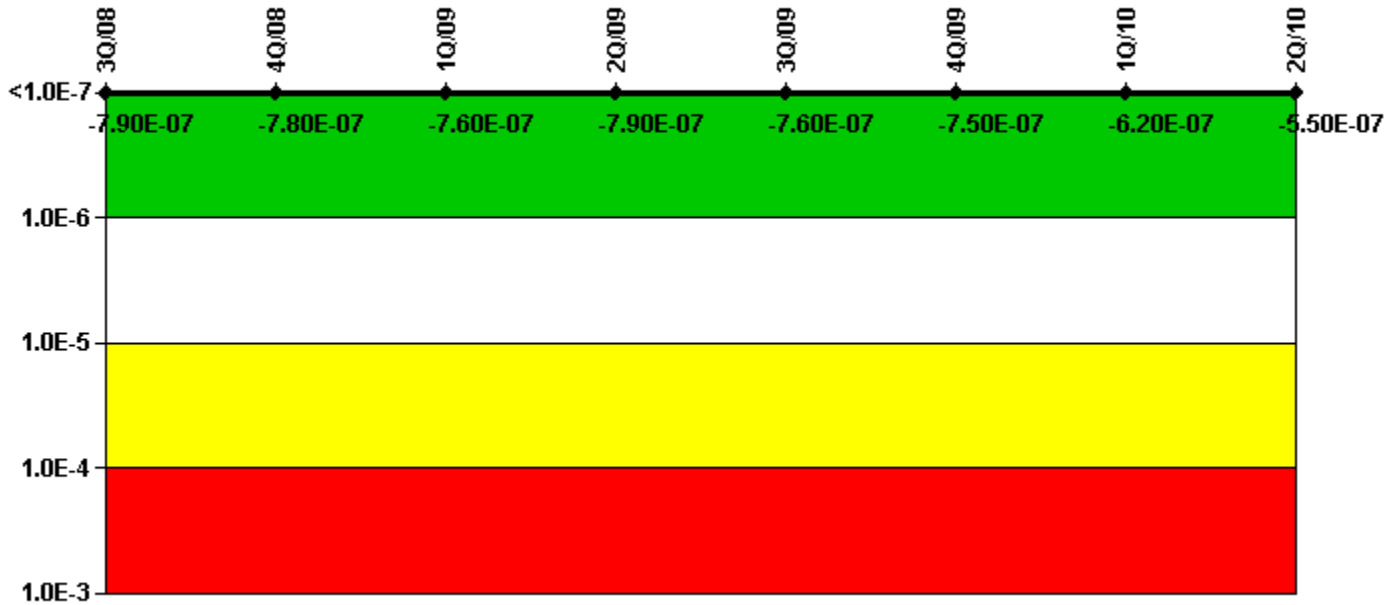
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	-3.10E-09	-3.10E-09	-5.40E-09	-5.50E-09	-5.50E-09	-5.70E-09	-6.75E-10	-2.27E-09
URI ( $\Delta$ CDF)	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.32E-08	-1.29E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.51E-08	-1.51E-08	-1.74E-08	-1.75E-08	-1.75E-08	-1.77E-08	-1.40E-08	-1.50E-08

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



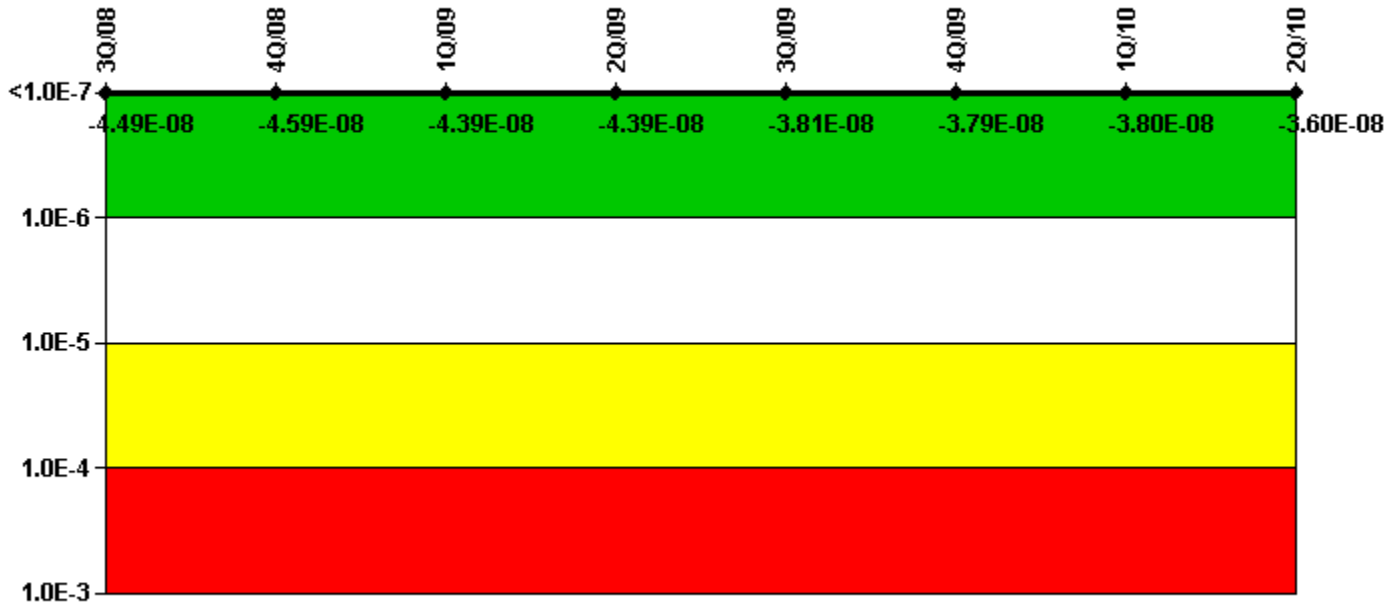
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	-1.30E-07	-1.10E-07	-1.10E-07	-1.40E-07	-1.20E-07	-1.00E-07	6.28E-08	9.95E-08
URI ( $\Delta$ CDF)	-6.60E-07	-6.70E-07	-6.50E-07	-6.50E-07	-6.40E-07	-6.50E-07	-6.87E-07	-6.46E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.90E-07	-7.80E-07	-7.60E-07	-7.90E-07	-7.60E-07	-7.50E-07	-6.20E-07	-5.50E-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

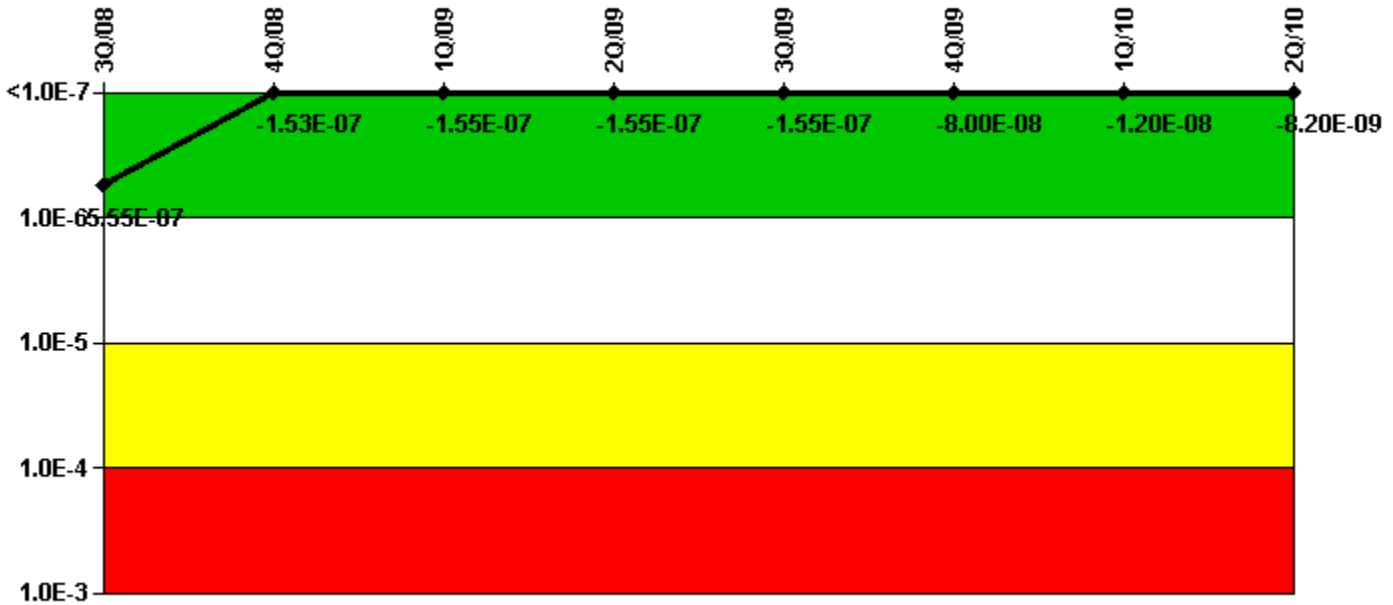
## Notes

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)	-8.90E-09	-8.90E-09	-8.90E-09	-8.90E-09	-3.10E-09	-2.90E-09	-3.74E-09	-4.49E-09
URI ( $\Delta$ CDF)	-3.60E-08	-3.70E-08	-3.50E-08	-3.50E-08	-3.50E-08	-3.50E-08	-3.42E-08	-3.18E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.49E-08	-4.59E-08	-4.39E-08	-4.39E-08	-3.81E-08	-3.79E-08	-3.80E-08	-3.60E-08

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



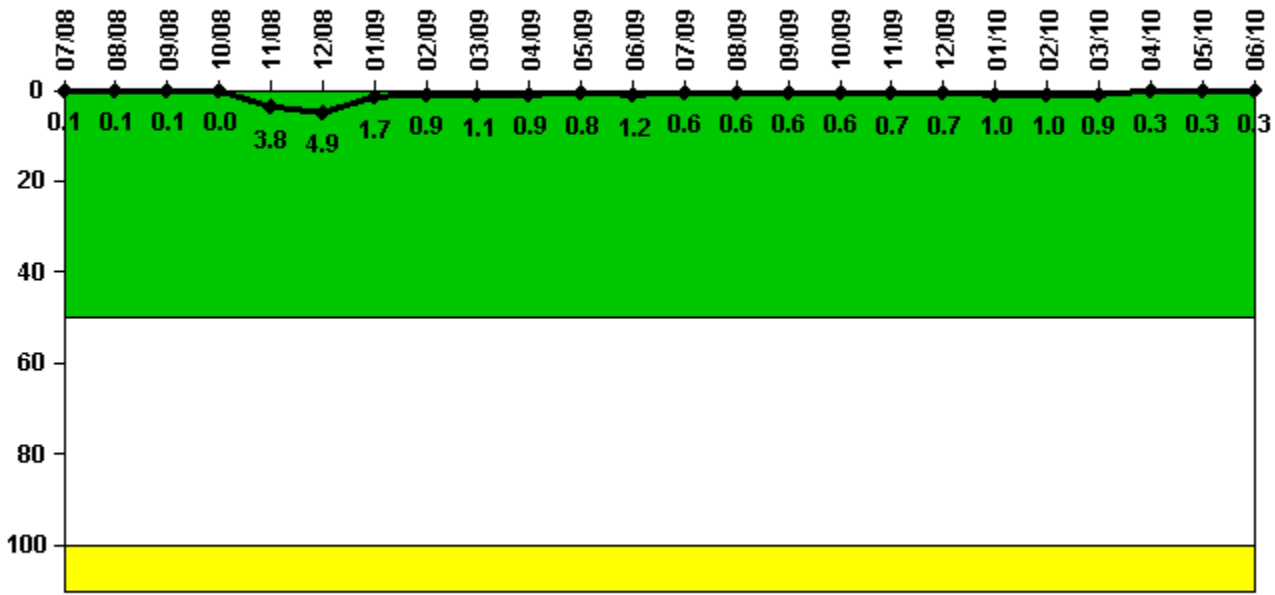
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	4.50E-08	-7.00E-08	-7.00E-08	-7.00E-08	-7.00E-08	-4.40E-08	-4.43E-08	-4.49E-08
URI ( $\Delta$ CDF)	5.10E-07	-8.30E-08	-8.50E-08	-8.50E-08	-8.50E-08	-3.60E-08	3.27E-08	3.67E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.55E-07	-1.53E-07	-1.55E-07	-1.55E-07	-1.55E-07	-8.00E-08	-1.20E-08	-8.20E-09

Licensee Comments: none

## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

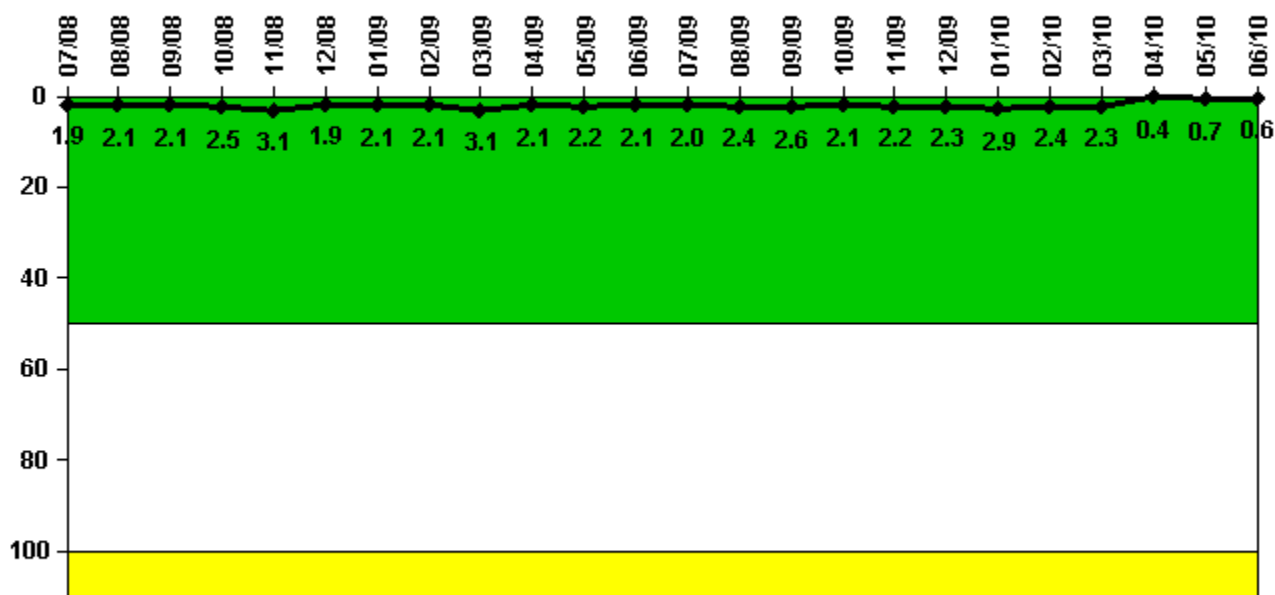
### Notes

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	0.000689	0.000546	0.000559	0.000086	0.037500	0.049000	0.016600	0.009311	0.011100	0.009280	0.007928	0.012100
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	0.1	0.1	0.1	0	3.8	4.9	1.7	0.9	1.1	0.9	0.8	1.2
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	0.006038	0.005776	0.006345	0.006163	0.006658	0.006987	0.009640	0.009962	0.008534	0.003320	0.002575	0.002717
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	0.6	0.6	0.6	0.6	0.7	0.7	1.0	1.0	0.9	0.3	0.3	0.3

### Licensee Comments:

12/09: Unit 2 had a trip on 12-23-09 @ approx. 18:00. The Unit was placed back on line reaching a steady state on 12-28-09 @ approx. 18:00. The DEI value used for that month was the sample pulled on 12-30-09 @ 08:30. This DEI value was sampled only after 33.5 hours of steady state operation and did not meet the requirements of procedure 00163-C. Therefore, the next available DEI value that met the procedure guidelines was sample on 12-23-09 @ 08:10. The December value has been corrected.

## Reactor Coolant System Leakage



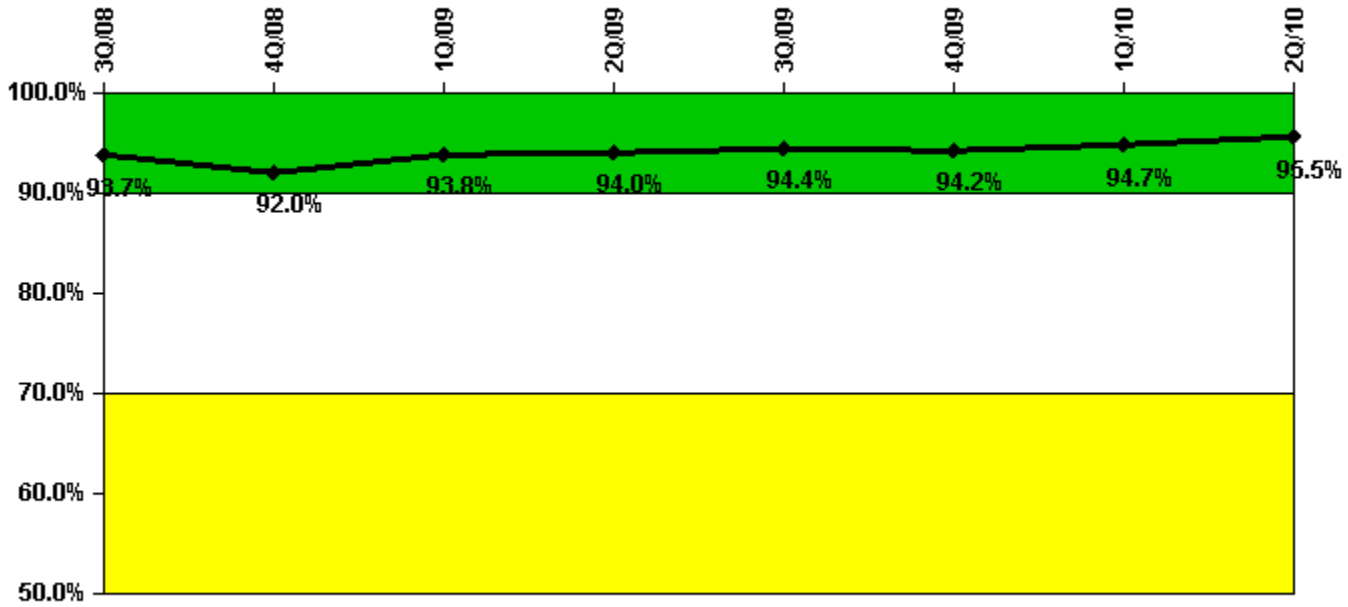
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.190	0.207	0.208	0.250	0.308	0.186	0.205	0.210	0.305	0.214	0.216	0.213
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	1.9	2.1	2.1	2.5	3.1	1.9	2.1	2.1	3.1	2.1	2.2	2.1
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	0.203	0.239	0.264	0.208	0.215	0.225	0.285	0.236	0.234	0.044	0.065	0.062
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	2.0	2.4	2.6	2.1	2.2	2.3	2.9	2.4	2.3	0.4	0.7	0.6

Licensee Comments: none

## Drill/Exercise Performance



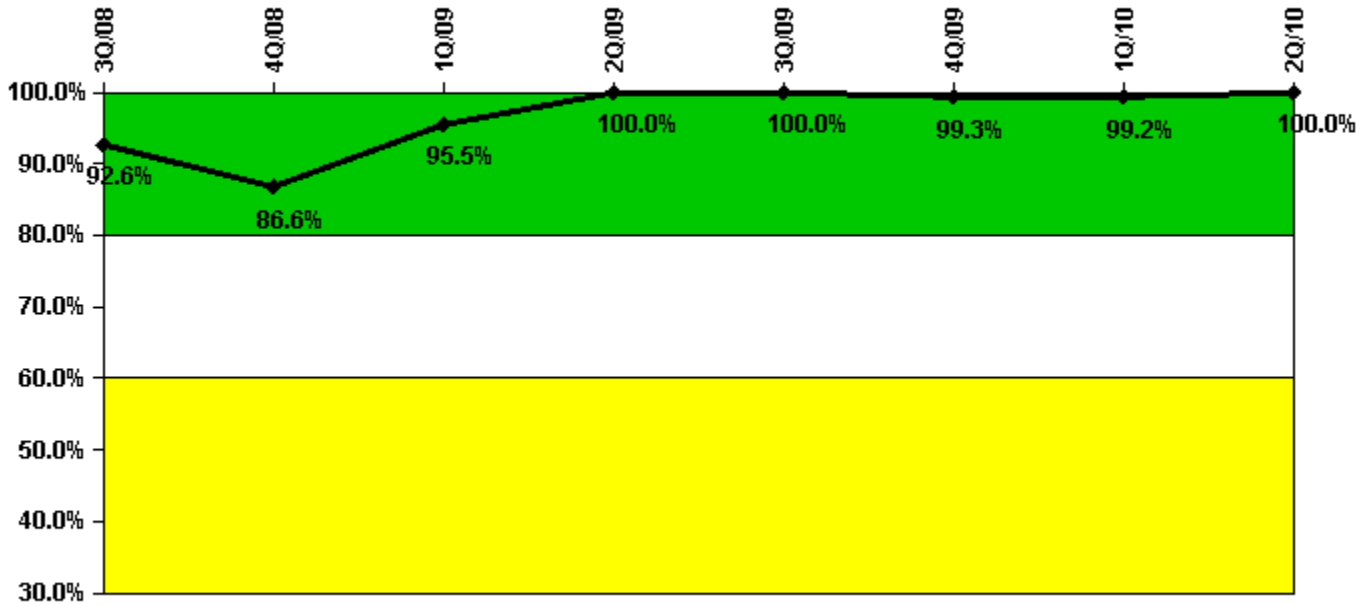
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful opportunities	24.0	28.0	64.0	91.0	81.0	51.0	53.0	51.0
Total opportunities	24.0	36.0	66.0	94.0	83.0	54.0	54.0	53.0
Indicator value	93.7%	92.0%	93.8%	94.0%	94.4%	94.2%	94.7%	95.5%

Licensee Comments: none

# ERO Drill Participation



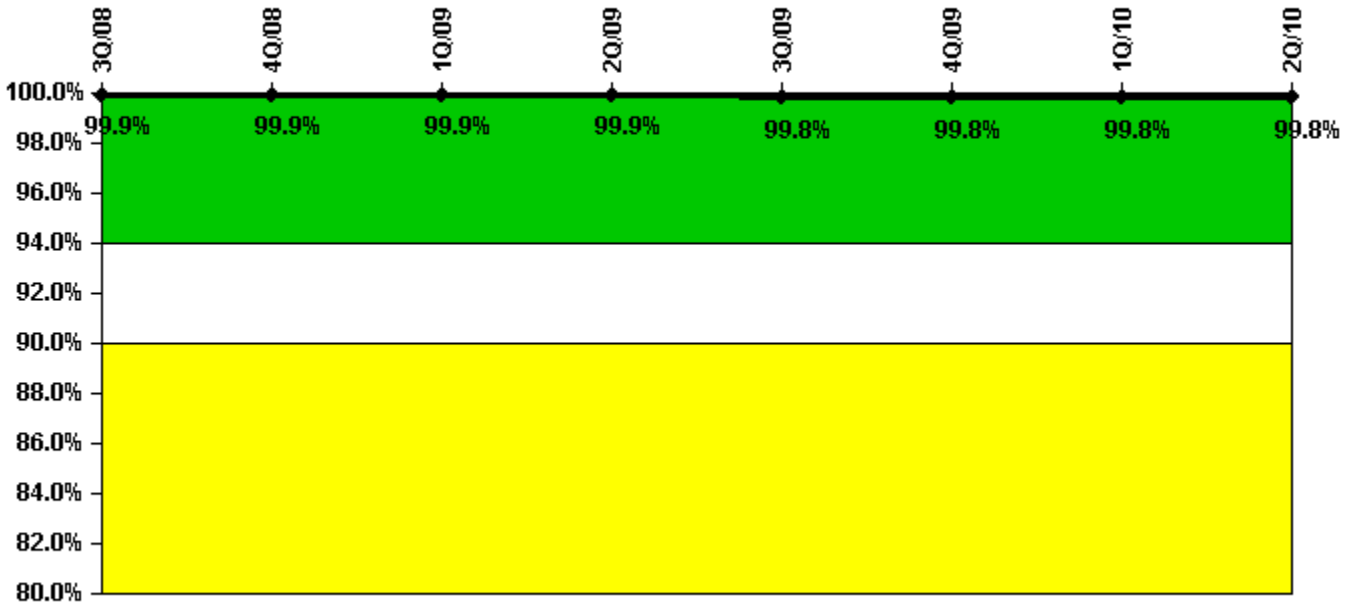
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

ERO Drill Participation	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Participating Key personnel	126.0	123.0	127.0	137.0	139.0	135.0	128.0	128.0
Total Key personnel	136.0	142.0	133.0	137.0	139.0	136.0	129.0	128.0
Indicator value	92.6%	86.6%	95.5%	100.0%	100.0%	99.3%	99.2%	100.0%

Licensee Comments: none

# Alert & Notification System



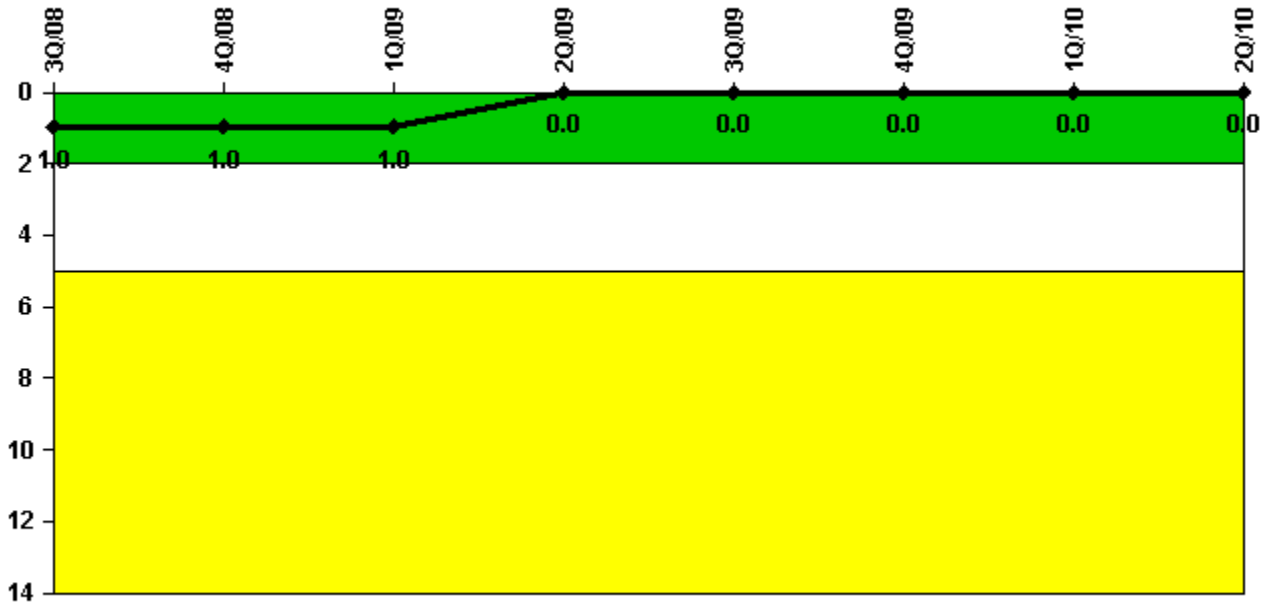
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful siren-tests	610	610	611	611	607	611	611	610
Total sirens-tests	611	611	611	611	611	611	611	611
Indicator value	99.9%	99.9%	99.9%	99.9%	99.8%	99.8%	99.8%	99.8%

Licensee Comments: none

# Occupational Exposure Control Effectiveness



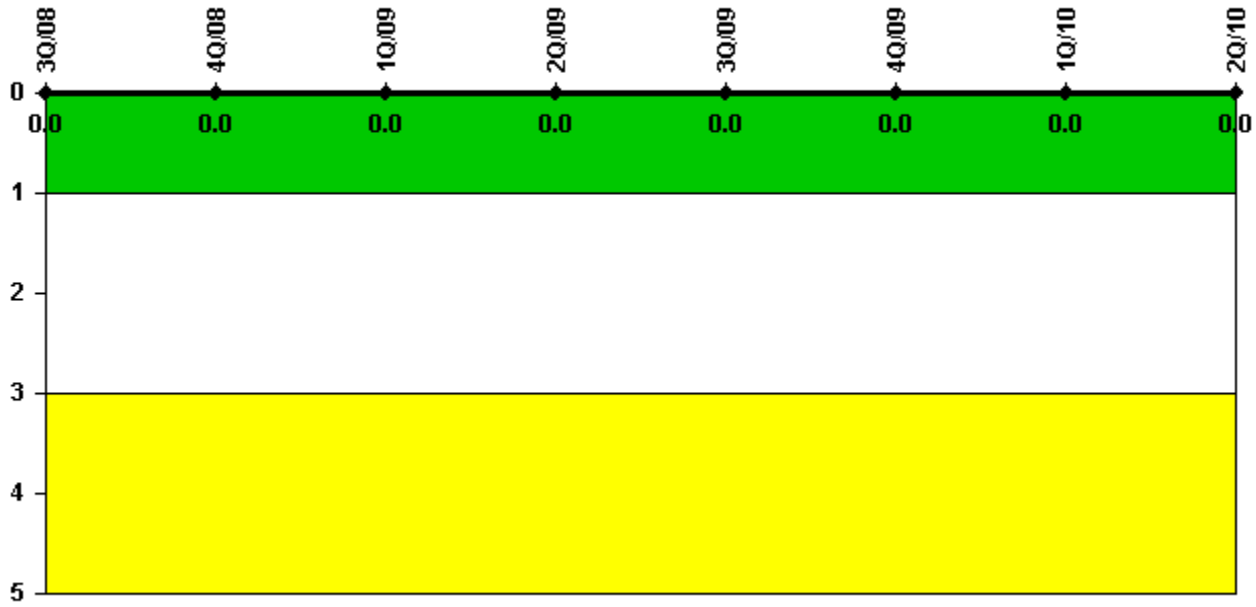
Thresholds: White > 2.0 Yellow > 5.0

## 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	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>0</b>	<b>0</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	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.