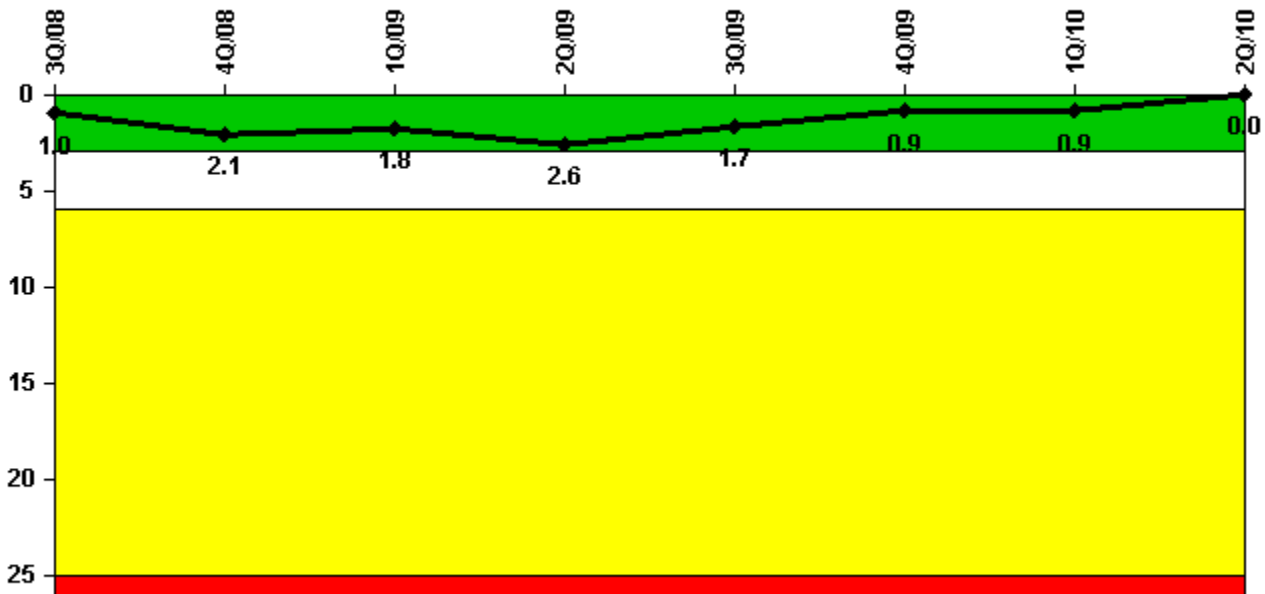


# Diablo Canyon 2

## 2Q/2010 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



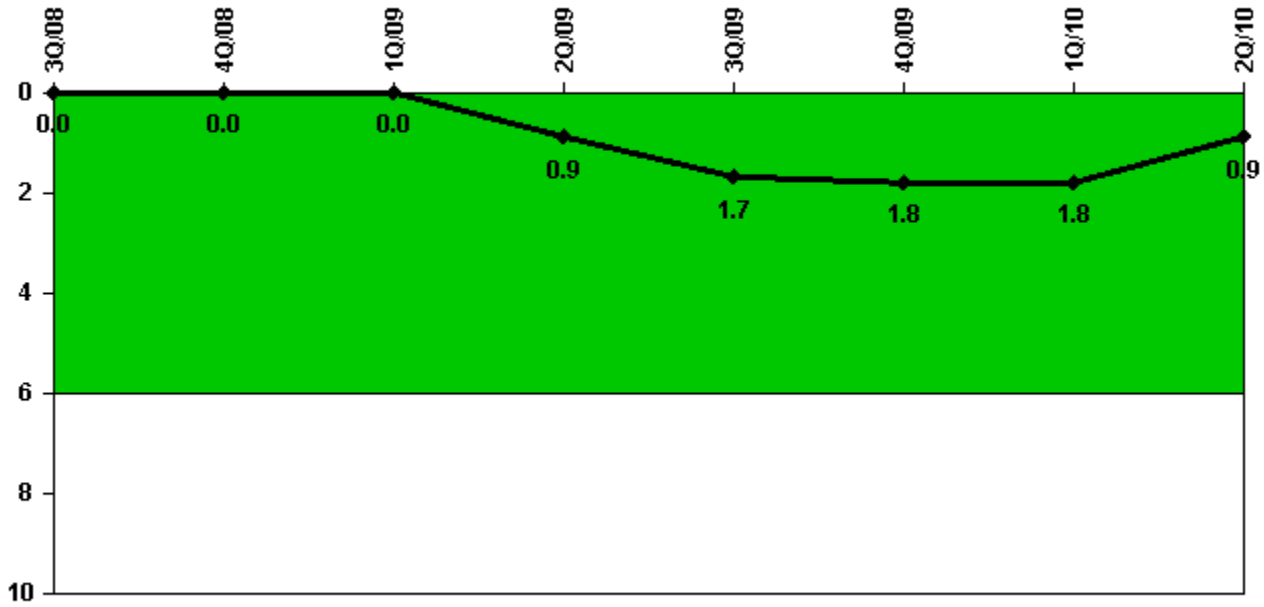
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	1.0	1.0	0	1.0	0	0	0	0
Critical hours	1731.7	2158.7	2159.0	2175.9	1956.3	1317.5	2159.0	2184.0
Indicator value	1.0	2.1	1.8	2.6	1.7	0.9	0.9	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



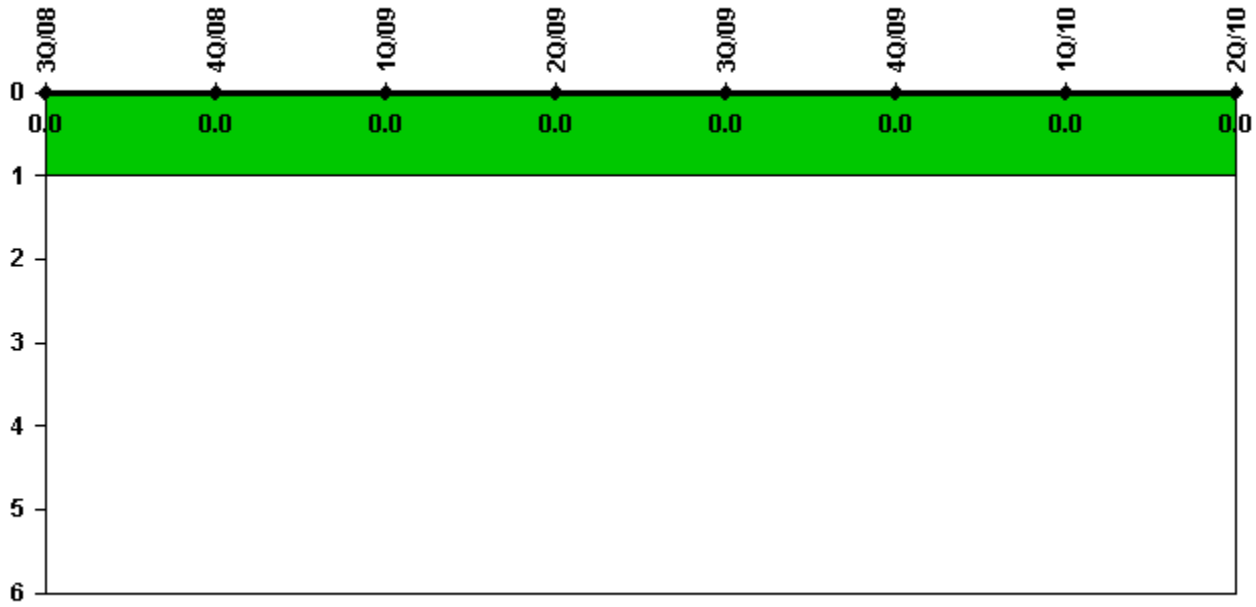
Thresholds: White > 6.0

### 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	1.0	1.0	0	0	0
Critical hours	1731.7	2158.7	2159.0	2175.9	1956.3	1317.5	2159.0	2184.0
Indicator value	0	0	0	0.9	1.7	1.8	1.8	0.9

Licensee Comments: none

# Unplanned Scrams with Complications



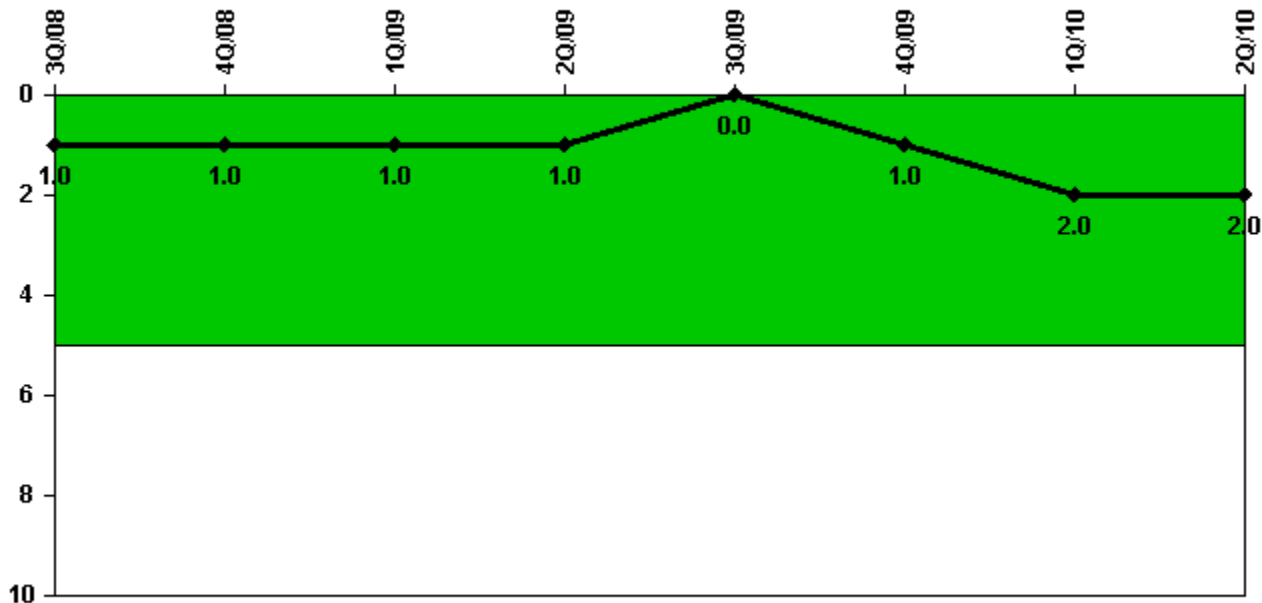
Thresholds: White > 1.0

## 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

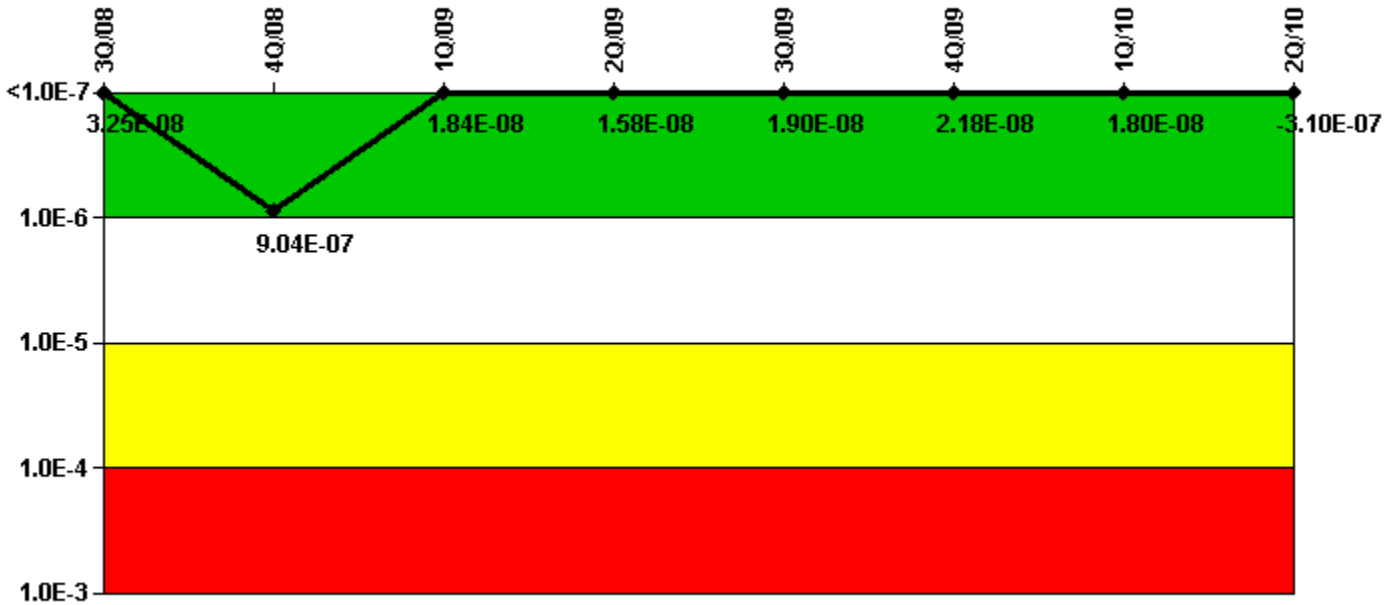
### Notes

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	1	0	0	0	0	1	1	0
Indicator value	1	1	1	1	0	1	2	2

Licensee Comments:

2Q/10: LER 1-2010-002 was submitted May 10, 2010. While SSFF was not specifically addressed, it meets the NEI 99-02 guidance. A supplemental LER was submitted July 2, 2010 and provides additional detail including specifying SSFF. It will be counted in July.

# Mitigating Systems Performance Index, Emergency AC Power System



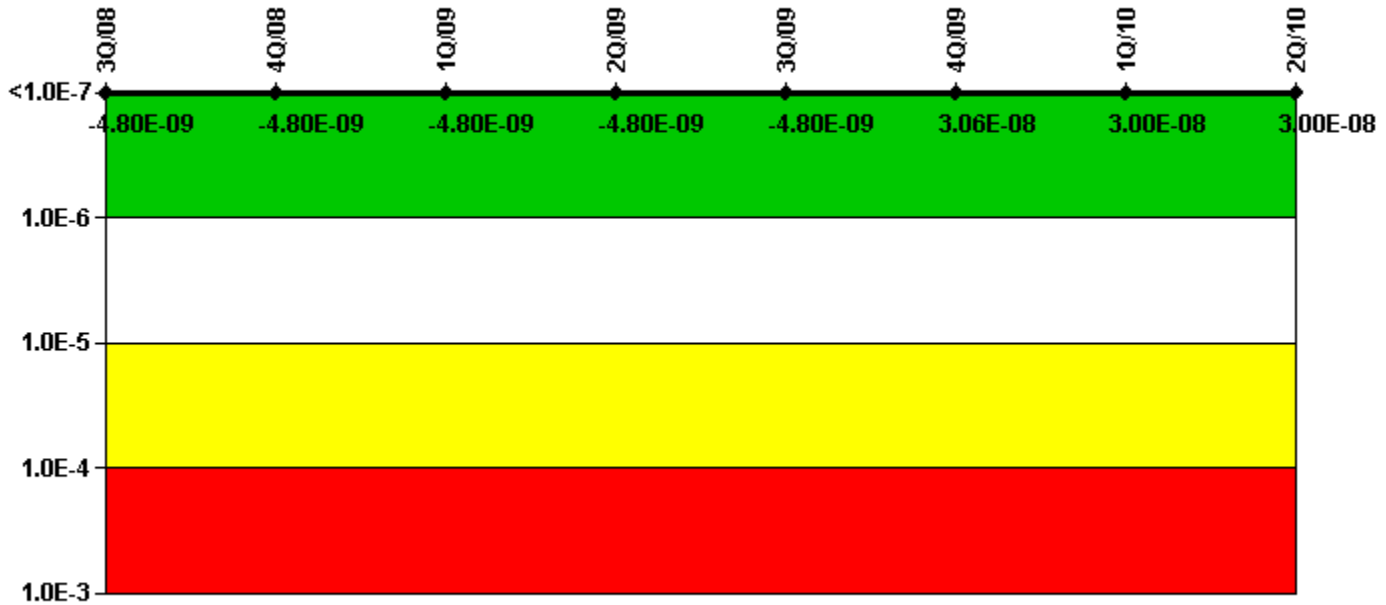
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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)	3.50E-09	1.40E-08	-3.60E-09	-6.20E-09	-3.00E-09	-2.20E-10	-3.74E-09	-7.01E-09
URI ( $\Delta$ CDF)	2.90E-08	8.90E-07	2.20E-08	2.20E-08	2.20E-08	2.20E-08	2.20E-08	-3.06E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.25E-08	9.04E-07	1.84E-08	1.58E-08	1.90E-08	2.18E-08	1.80E-08	-3.10E-07

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



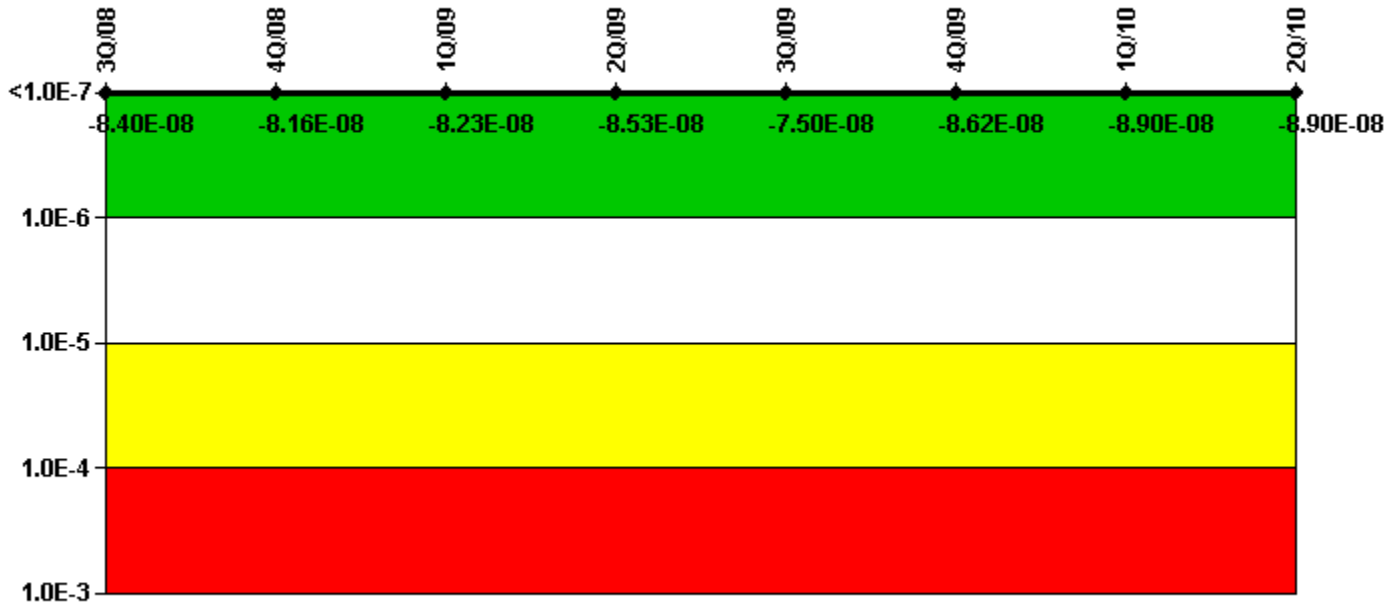
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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)	-3.40E-09	-3.40E-09	-3.40E-09	-3.40E-09	-3.40E-09	-3.40E-09	-3.36E-09	-3.36E-09
URI ( $\Delta$ CDF)	-1.40E-09	-1.40E-09	-1.40E-09	-1.40E-09	-1.40E-09	3.40E-08	3.35E-08	3.35E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.80E-09	-4.80E-09	-4.80E-09	-4.80E-09	-4.80E-09	3.06E-08	3.00E-08	3.00E-08

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



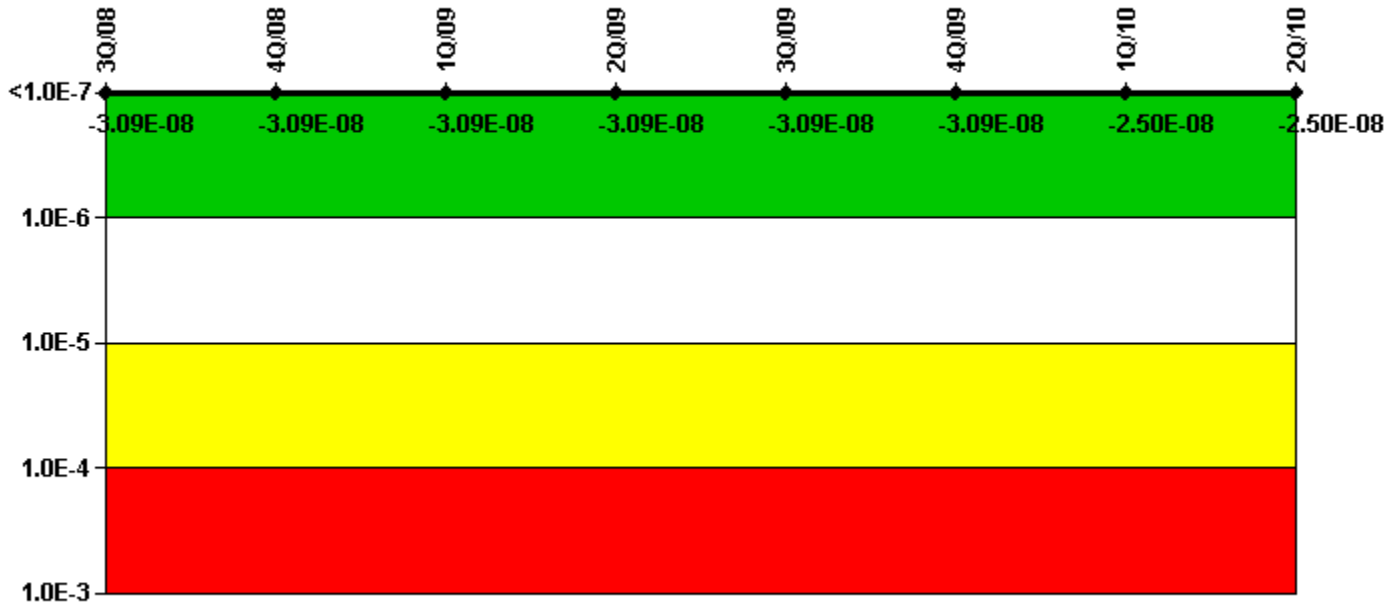
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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)	4.00E-09	7.40E-09	6.70E-09	3.70E-09	1.40E-08	2.80E-09	-7.35E-10	-7.35E-10
URI ( $\Delta$ CDF)	-8.80E-08	-8.90E-08	-8.90E-08	-8.90E-08	-8.90E-08	-8.90E-08	-8.86E-08	-8.86E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-8.40E-08	-8.16E-08	-8.23E-08	-8.53E-08	-7.50E-08	-8.62E-08	-8.90E-08	-8.90E-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

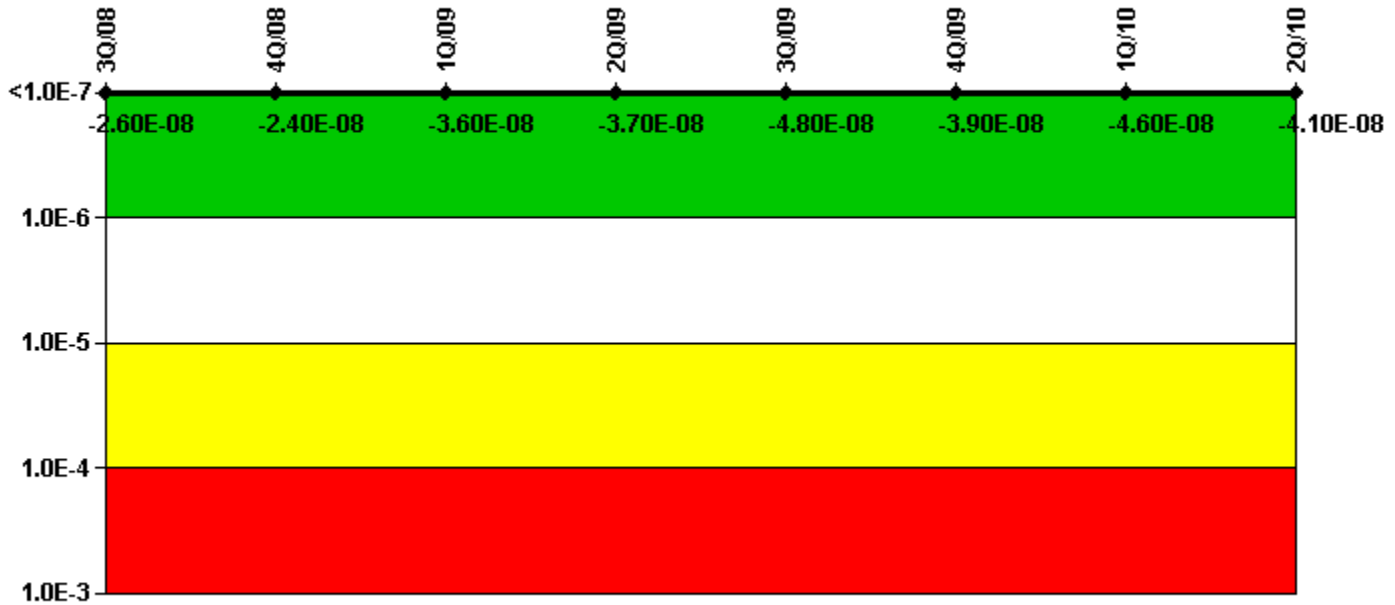
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09	-5.90E-09	5.48E-10	6.33E-10
URI ( $\Delta$ CDF)	-2.50E-08	-2.50E-08	-2.50E-08	-2.50E-08	-2.50E-08	-2.50E-08	-2.53E-08	-2.53E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.09E-08	-3.09E-08	-3.09E-08	-3.09E-08	-3.09E-08	-3.09E-08	-2.50E-08	-2.50E-08

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



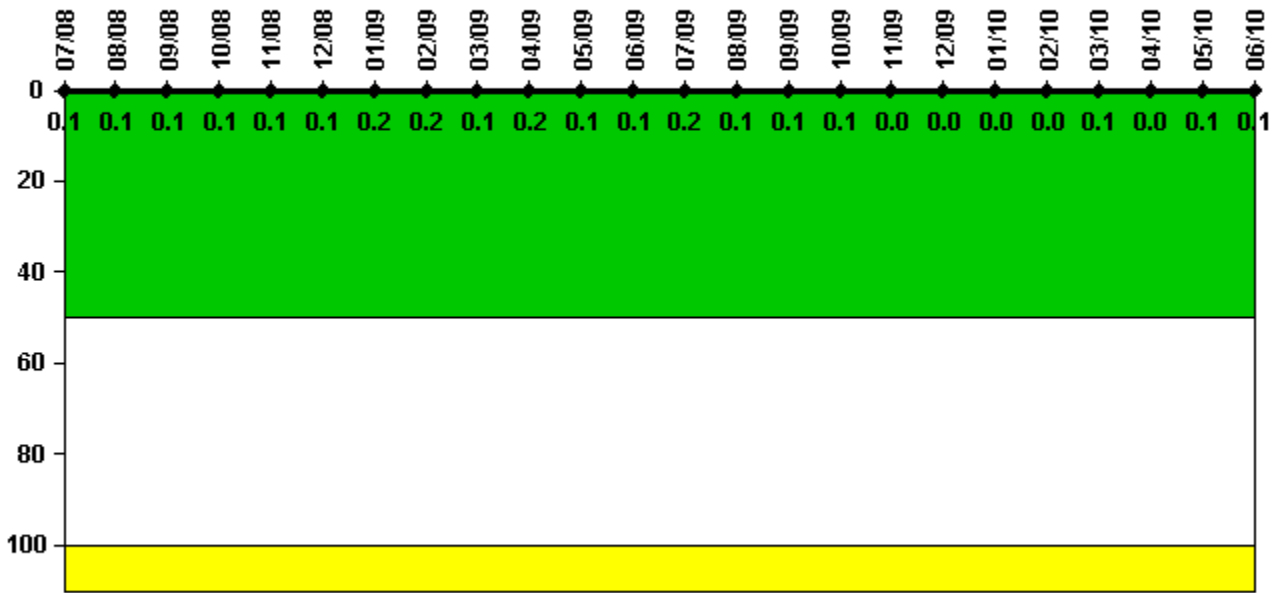
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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)	-1.60E-08	-1.40E-08	-1.60E-08	-1.70E-08	-2.80E-08	-1.90E-08	-2.65E-08	-2.12E-08
URI ( $\Delta$ CDF)	-1.00E-08	-1.00E-08	-2.00E-08	-2.00E-08	-2.00E-08	-2.00E-08	-1.98E-08	-1.98E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.60E-08	-2.40E-08	-3.60E-08	-3.70E-08	-4.80E-08	-3.90E-08	-4.60E-08	-4.10E-08

Licensee Comments: none

# Reactor Coolant System Activity



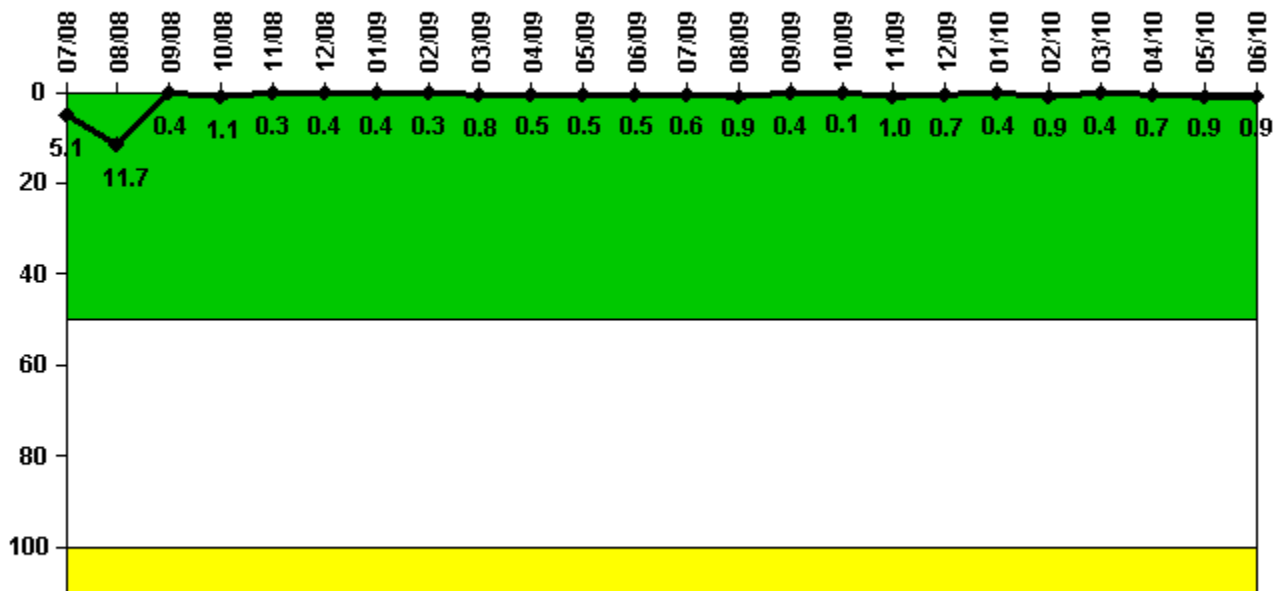
Thresholds: White > 50.0 Yellow > 100.0

## 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	0.001080	0.001190	0.001240	0.001180	0.001390	0.001330	0.001650	0.001570	0.001460	0.001630	0.001430	0.001480
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	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1
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	0.001650	0.001330	0.001230	0.001130	0.000309	0.000461	0.000401	0.000480	0.000517	0.000469	0.000585	0.000535
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	0.2	0.1	0.1	0.1	0	0	0	0	0.1	0	0.1	0.1

Licensee Comments: none

## Reactor Coolant System Leakage



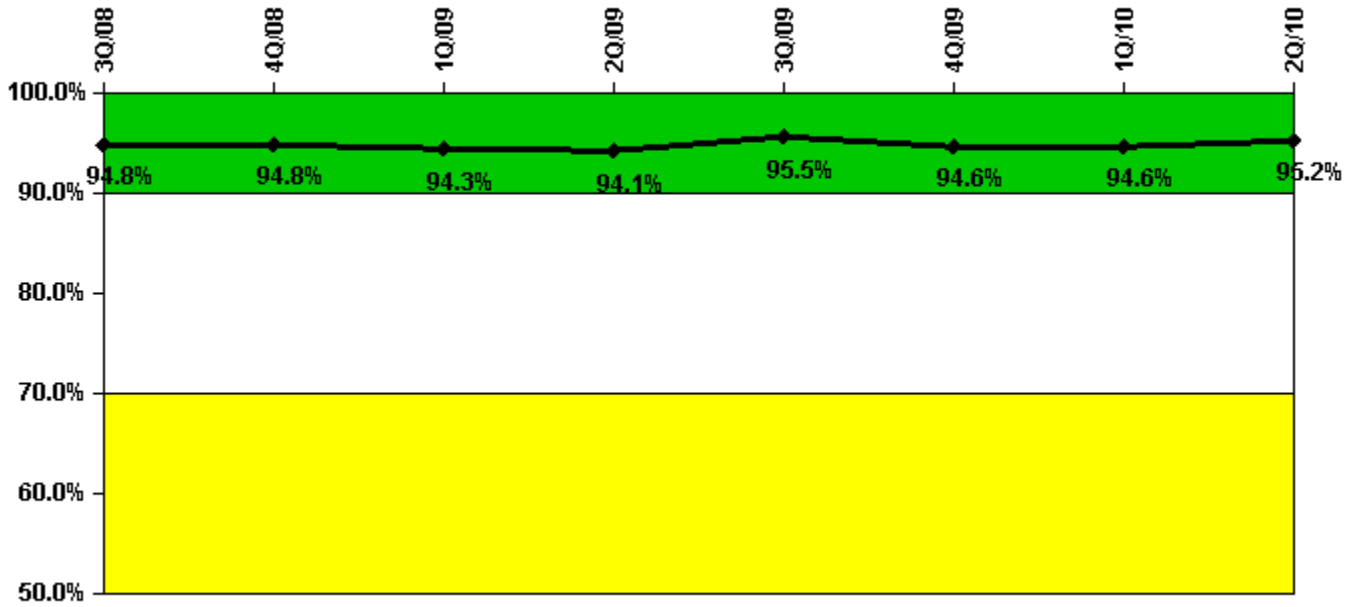
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.513	1.170	0.040	0.111	0.030	0.040	0.044	0.033	0.076	0.046	0.047	0.047
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	5.1	11.7	0.4	1.1	0.3	0.4	0.4	0.3	0.8	0.5	0.5	0.5
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	0.059	0.090	0.037	0.014	0.099	0.065	0.044	0.091	0.041	0.065	0.090	0.088
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	0.9	0.4	0.1	1.0	0.7	0.4	0.9	0.4	0.7	0.9	0.9

Licensee Comments: none

## Drill/Exercise Performance



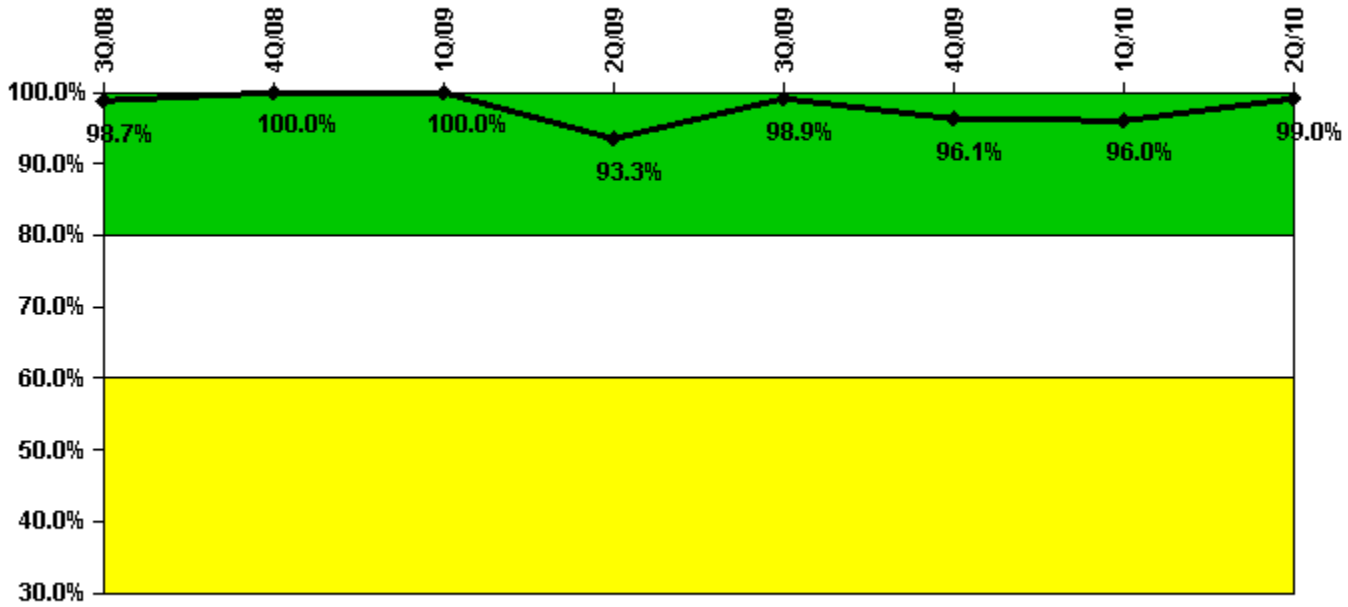
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful opportunities	52.0	47.0	13.0	53.0	61.0	40.0	33.0	59.0
Total opportunities	57.0	52.0	14.0	55.0	62.0	41.0	35.0	60.0
Indicator value	94.8%	94.8%	94.3%	94.1%	95.5%	94.6%	94.6%	95.2%

Licensee Comments: none

## ERO Drill Participation



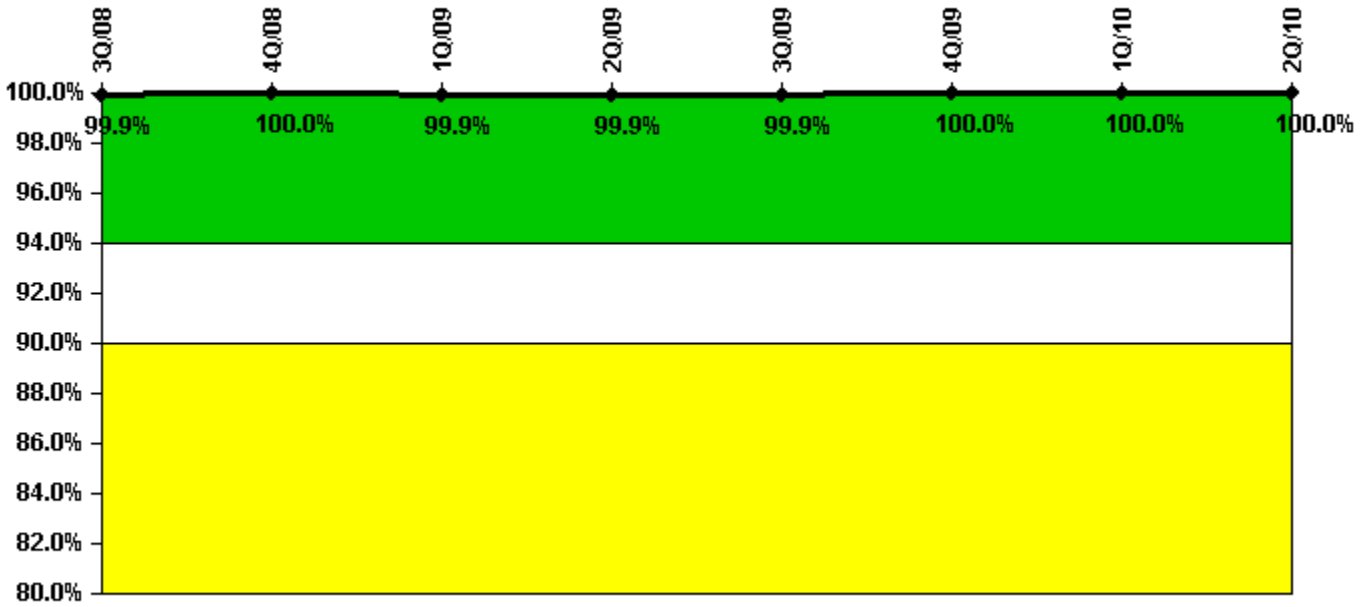
Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Participating Key personnel	75.0	79.0	70.0	83.0	92.0	98.0	97.0	102.0
Total Key personnel	76.0	79.0	70.0	89.0	93.0	102.0	101.0	103.0
Indicator value	98.7%	100.0%	100.0%	93.3%	98.9%	96.1%	96.0%	99.0%

Licensee Comments: none

# Alert & Notification System



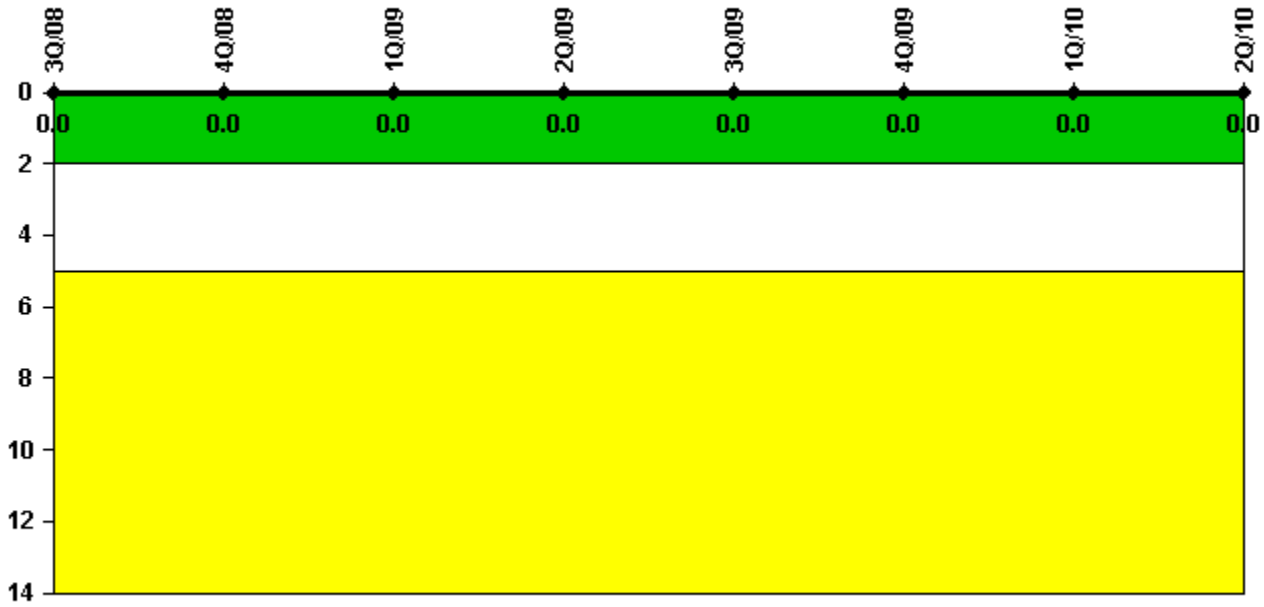
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful siren-tests	1310	1047	1047	916	1310	916	1048	917
Total sirens-tests	1310	1048	1048	917	1310	916	1048	917
Indicator value	99.9%	100.0%	99.9%	99.9%	99.9%	100.0%	100.0%	100.0%

Licensee Comments: none

# Occupational Exposure Control Effectiveness



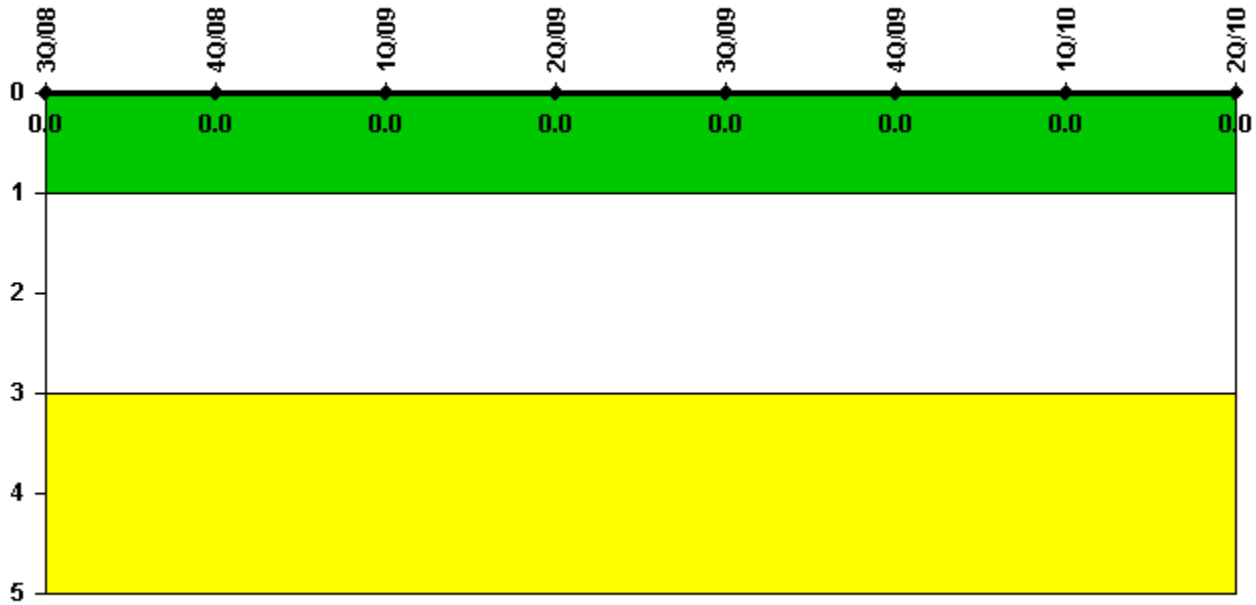
Thresholds: White > 2.0 Yellow > 5.0

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