

# Davis-Besse

## 1Q/2011 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

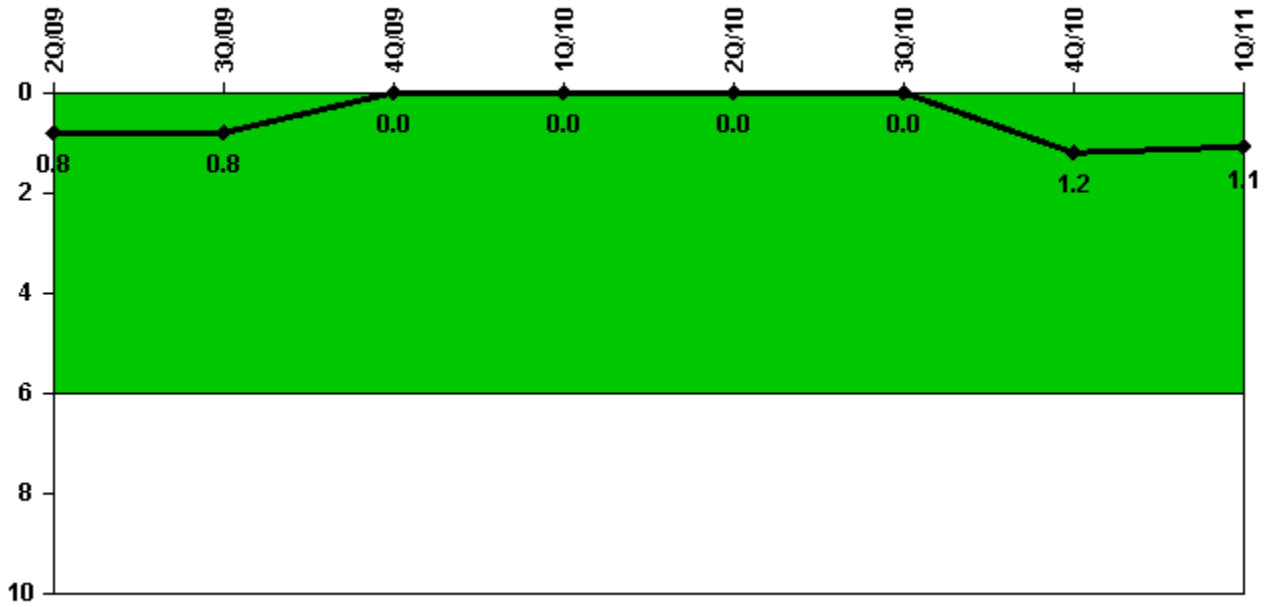
### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1807.0	2208.0	2209.0	1394.5	70.5	2208.0	2209.0	2030.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

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## Unplanned Power Changes per 7000 Critical Hrs



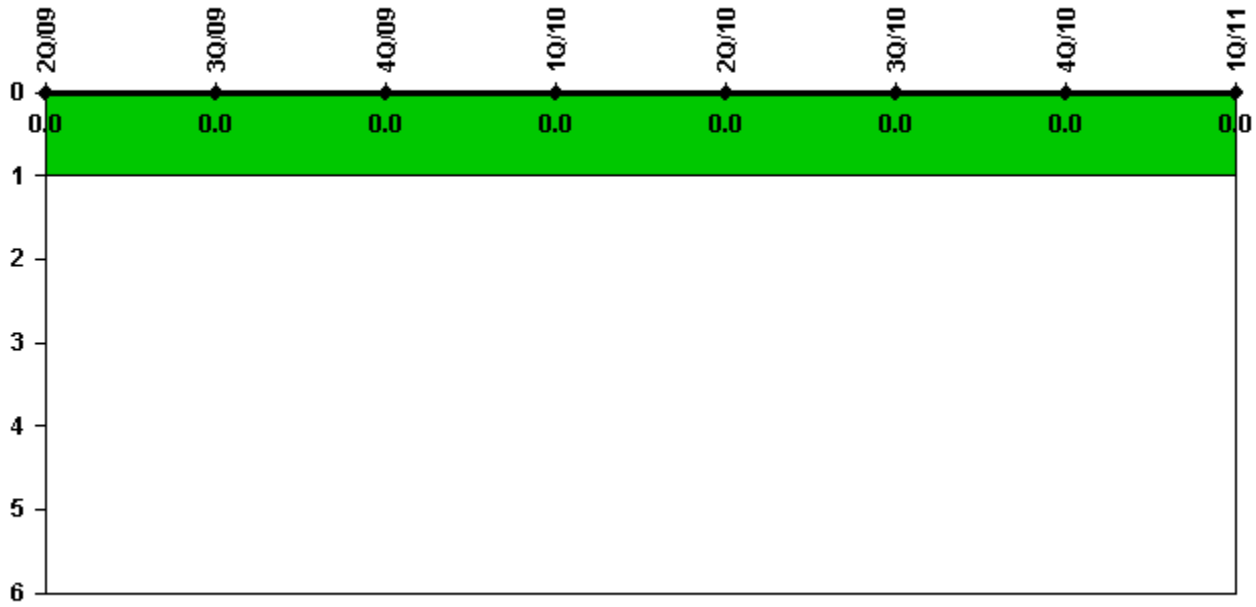
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	1807.0	2208.0	2209.0	1394.5	70.5	2208.0	2209.0	2030.0
Indicator value	0.8	0.8	0	0	0	0	1.2	1.1

Licensee Comments: none

## Unplanned Scrams with Complications



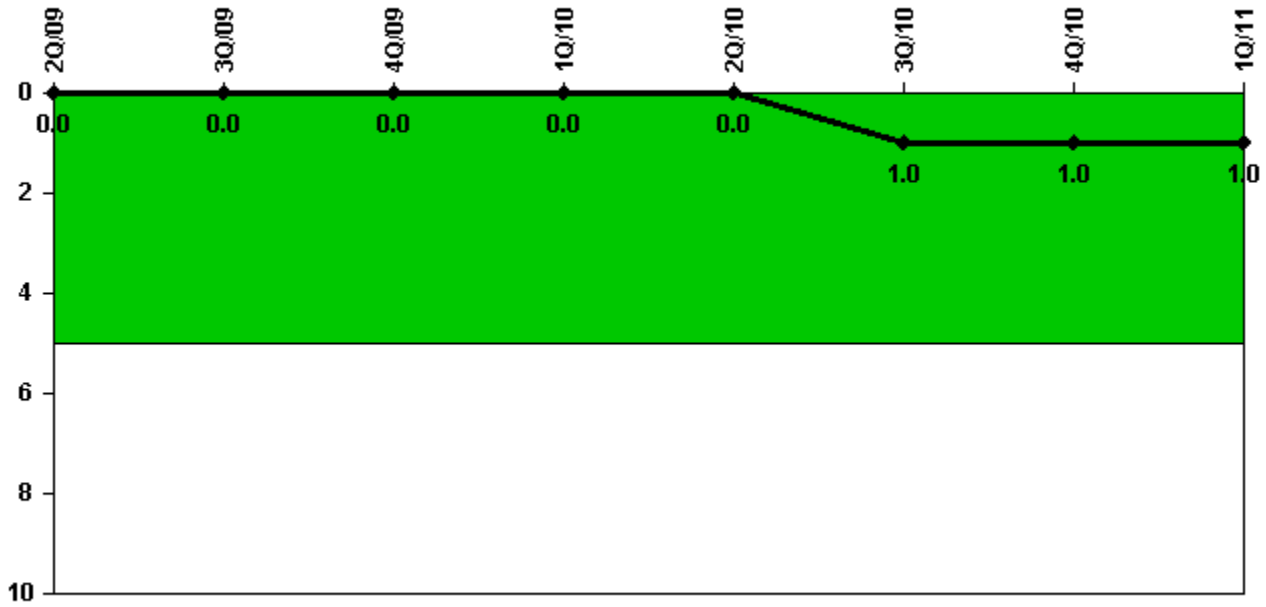
Thresholds: White > 1.0

### Notes

Unplanned Scrams with Complications	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/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 (PWR)



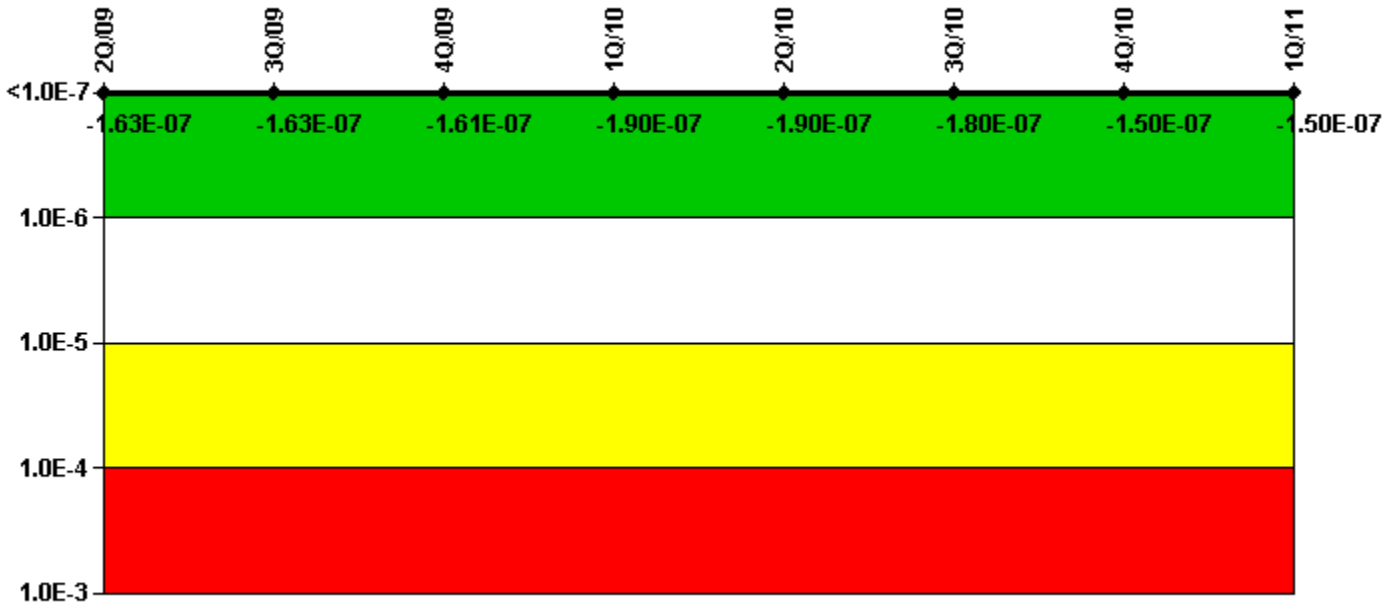
Thresholds: White > 5.0

### Notes

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

Licensee Comments: none

# Mitigating Systems Performance Index, Emergency AC Power System



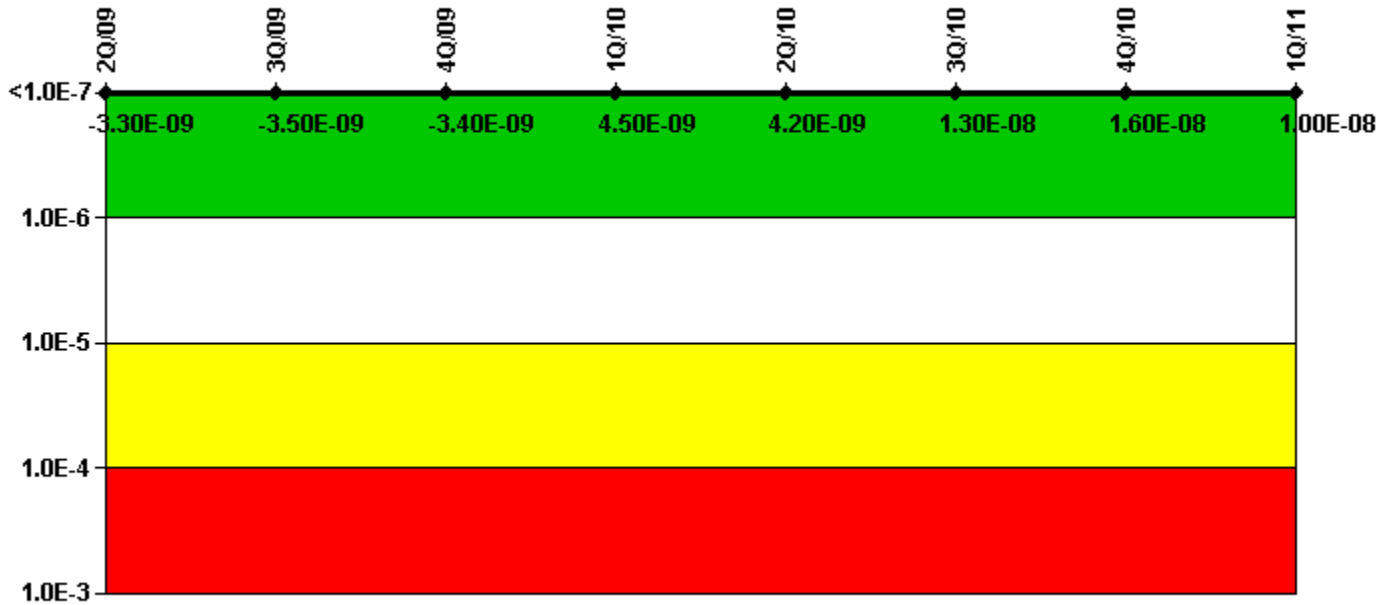
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI ( $\Delta$ CDF)	-2.90E-09	-3.10E-09	-1.10E-09	-3.65E-08	-3.64E-08	-2.82E-08	9.90E-10	-3.50E-09
URI ( $\Delta$ CDF)	-1.60E-07	-1.60E-07	-1.60E-07	-1.58E-07	-1.54E-07	-1.54E-07	-1.49E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.63E-07	-1.63E-07	-1.61E-07	-1.90E-07	-1.90E-07	-1.80E-07	-1.50E-07	-1.50E-07

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



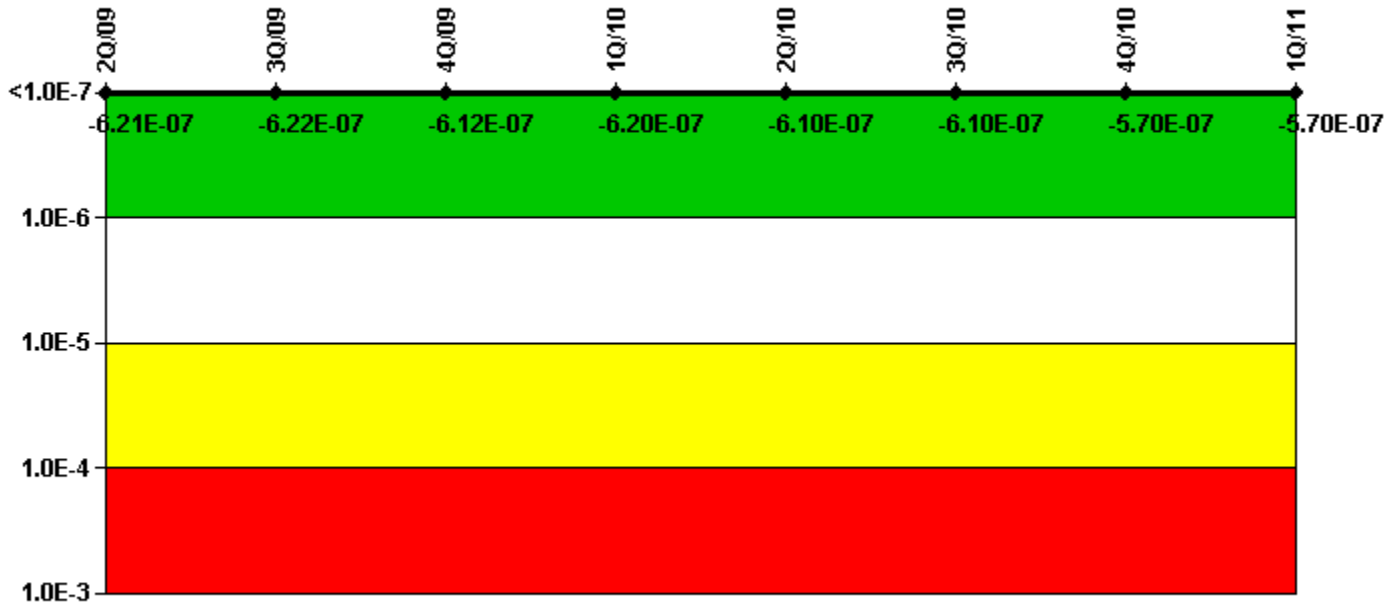
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI ( $\Delta$ CDF)	2.22E-10	2.27E-10	6.25E-10	8.67E-09	8.35E-09	1.70E-08	2.01E-08	1.39E-08
URI ( $\Delta$ CDF)	-3.55E-09	-3.70E-09	-4.02E-09	-4.21E-09	-4.15E-09	-4.19E-09	-4.11E-09	-3.60E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.30E-09	-3.50E-09	-3.40E-09	4.50E-09	4.20E-09	1.30E-08	1.60E-08	1.00E-08

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



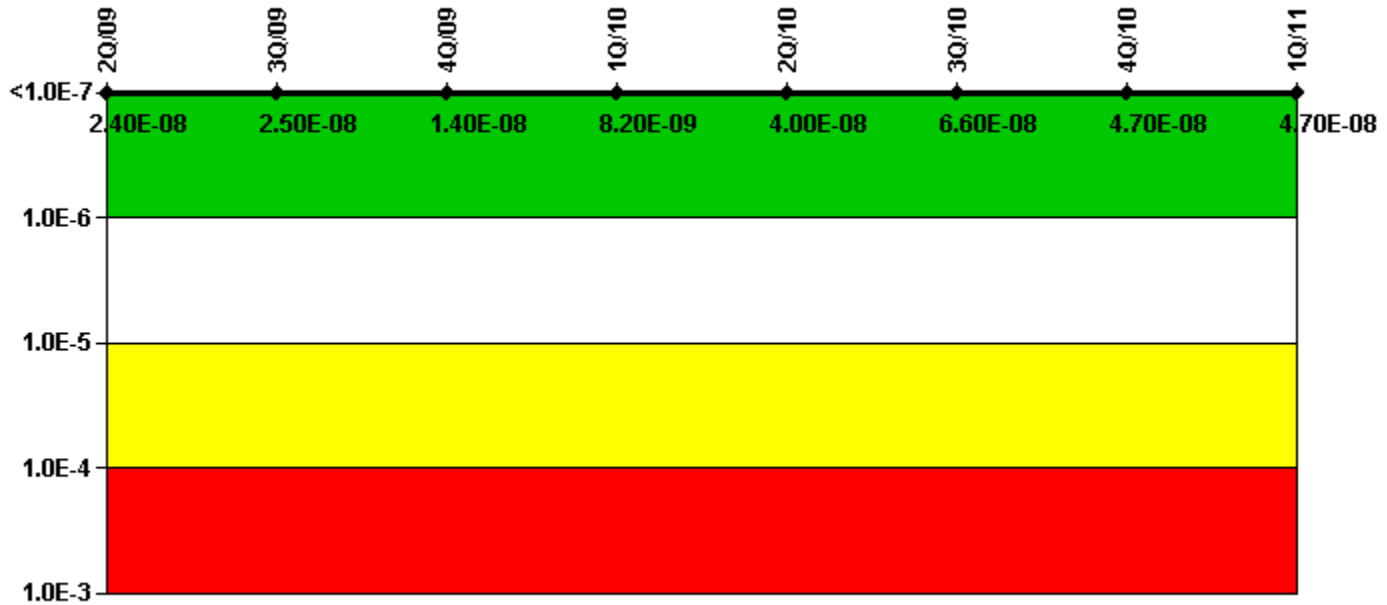
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI ( $\Delta$ CDF)	-2.10E-08	-2.20E-08	-1.20E-08	-1.20E-08	1.22E-08	2.03E-08	5.92E-08	6.17E-08
URI ( $\Delta$ CDF)	-6.00E-07	-6.00E-07	-6.00E-07	-6.10E-07	-6.21E-07	-6.31E-07	-6.33E-07	-6.37E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.21E-07	-6.22E-07	-6.12E-07	-6.20E-07	-6.10E-07	-6.10E-07	-5.70E-07	-5.70E-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

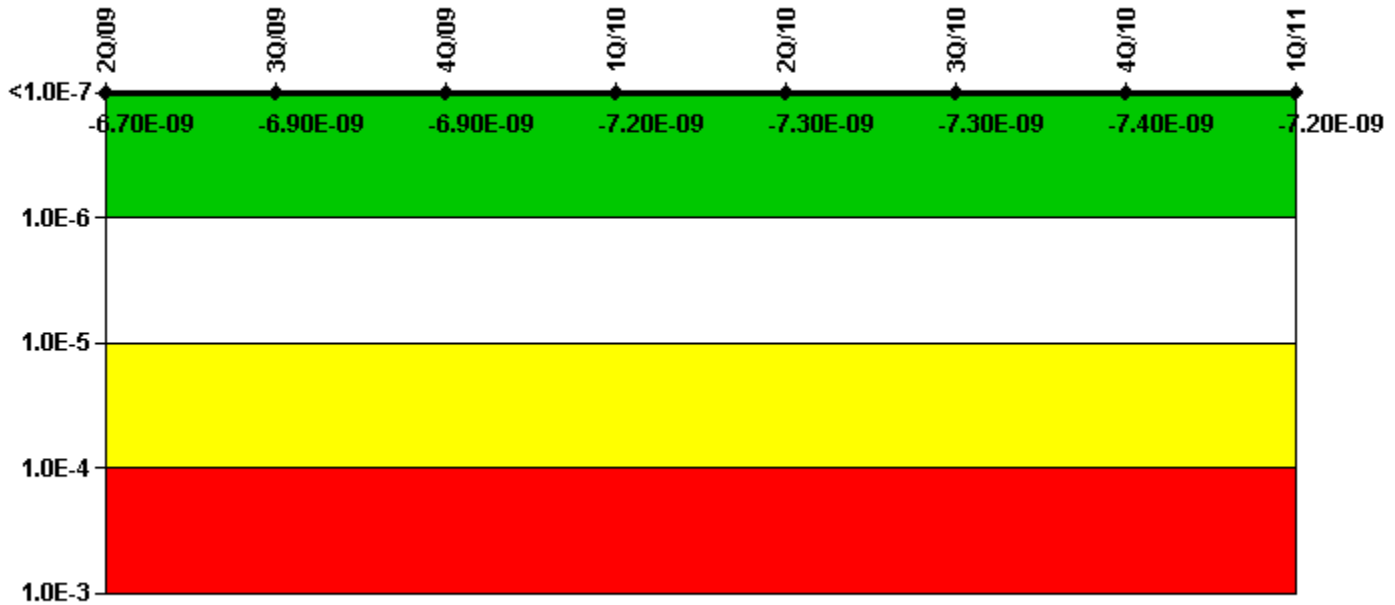
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI ( $\Delta$ CDF)	4.20E-08	4.30E-08	3.20E-08	3.15E-08	3.80E-08	6.57E-08	4.72E-08	4.58E-08
URI ( $\Delta$ CDF)	-1.80E-08	-1.80E-08	-1.80E-08	-2.33E-08	2.13E-09	7.32E-10	-4.24E-10	1.49E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.40E-08	2.50E-08	1.40E-08	8.20E-09	4.00E-08	6.60E-08	4.70E-08	4.70E-08

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



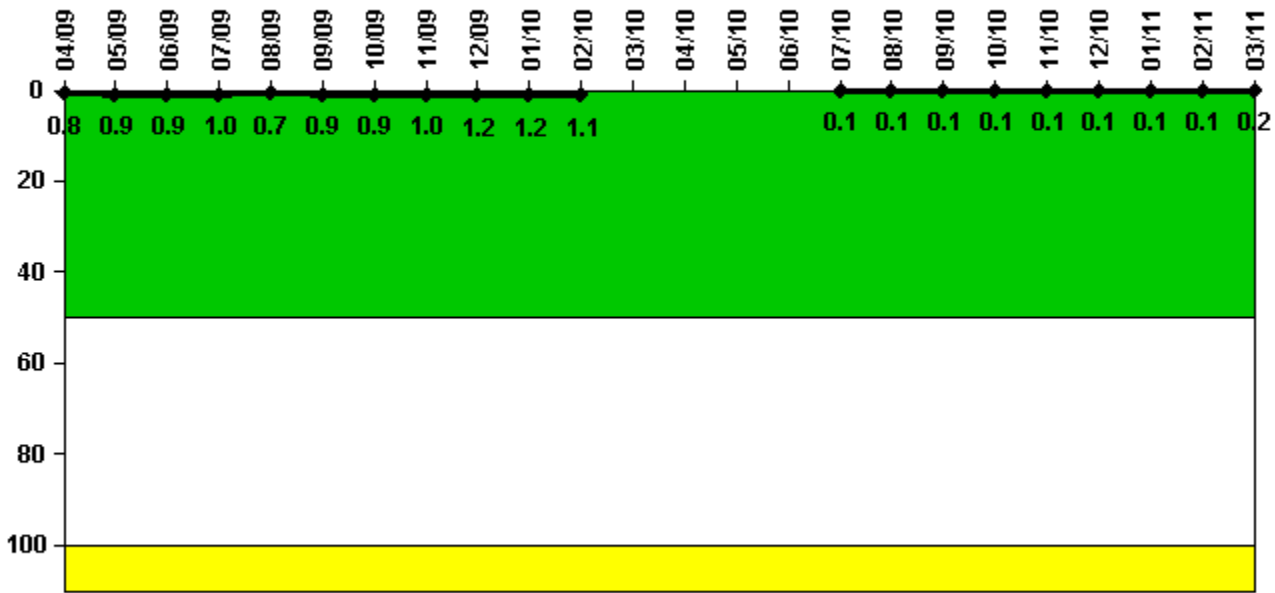
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI ( $\Delta$ CDF)	1.40E-09	1.40E-09	1.40E-09	1.41E-09	1.55E-09	1.55E-09	1.54E-09	1.49E-09
URI ( $\Delta$ CDF)	-8.10E-09	-8.30E-09	-8.30E-09	-8.60E-09	-8.86E-09	-8.81E-09	-8.91E-09	-8.70E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.70E-09	-6.90E-09	-6.90E-09	-7.20E-09	-7.30E-09	-7.30E-09	-7.40E-09	-7.20E-09

Licensee Comments: none

# Reactor Coolant System Activity



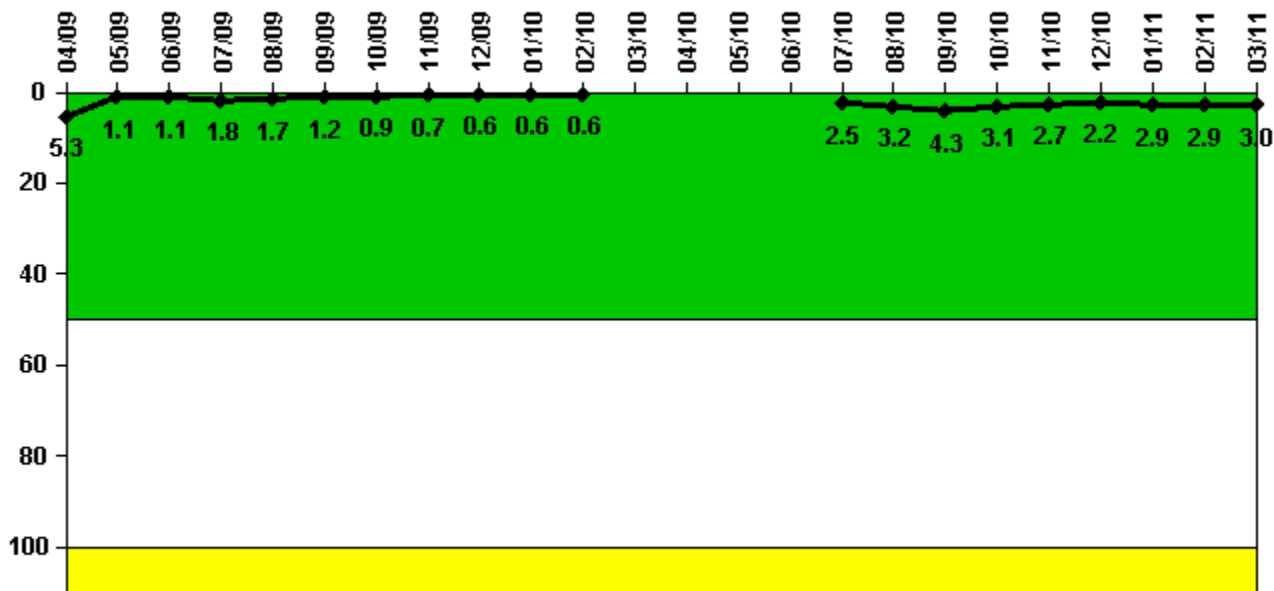
Thresholds: White > 50.0 Yellow > 100.0

## Notes

Reactor Coolant System Activity	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum activity	0.007700	0.009000	0.009000	0.010000	0.007400	0.008700	0.009200	0.010000	0.012000	0.012000	0.011000	N/A
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	0.8	0.9	0.9	1.0	0.7	0.9	0.9	1.0	1.2	1.2	1.1	N/A
Reactor Coolant System Activity	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum activity	N/A	N/A	N/A	0.001100	0.001100	0.001200	0.001200	0.001300	0.001300	0.001400	0.001400	0.001600
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	N/A	N/A	N/A	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2

Licensee Comments: none

## Reactor Coolant System Leakage



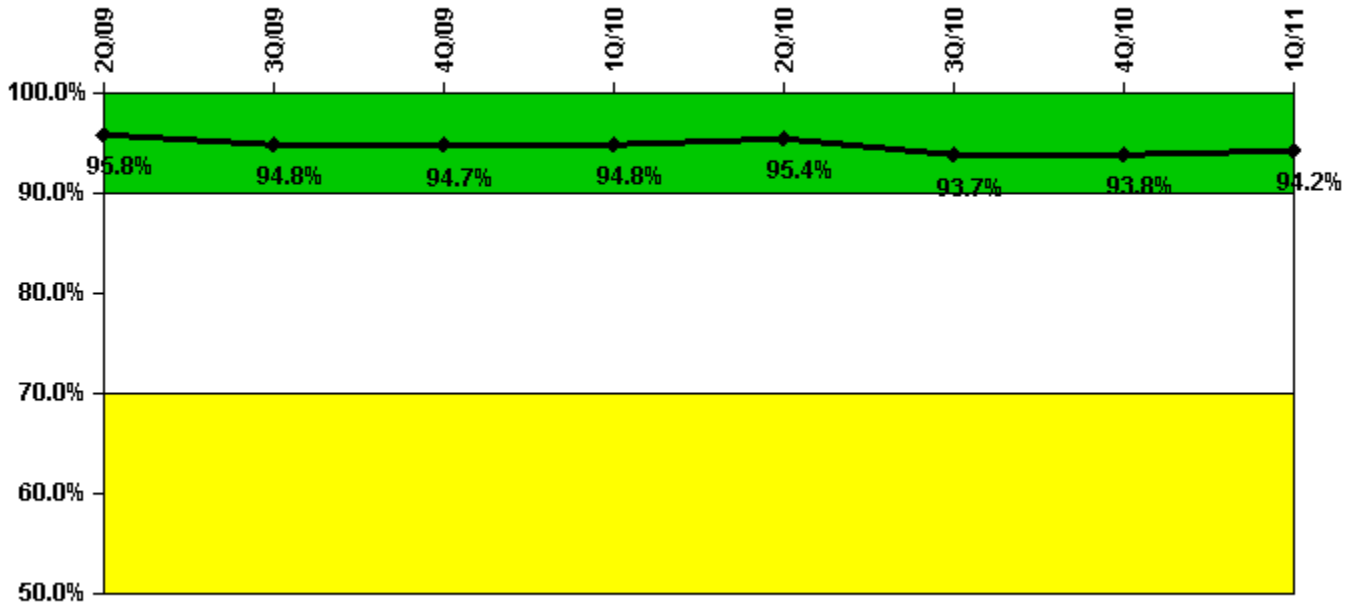
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum leakage	0.534	0.107	0.114	0.180	0.168	0.118	0.094	0.068	0.059	0.063	0.059	N/A
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	5.3	1.1	1.1	1.8	1.7	1.2	0.9	0.7	0.6	0.6	0.6	N/A
Reactor Coolant System Leakage	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum leakage	N/A	N/A	N/A	0.251	0.320	0.427	0.309	0.267	0.219	0.290	0.285	0.296
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	N/A	N/A	N/A	2.5	3.2	4.3	3.1	2.7	2.2	2.9	2.9	3.0

Licensee Comments: none

## Drill/Exercise Performance



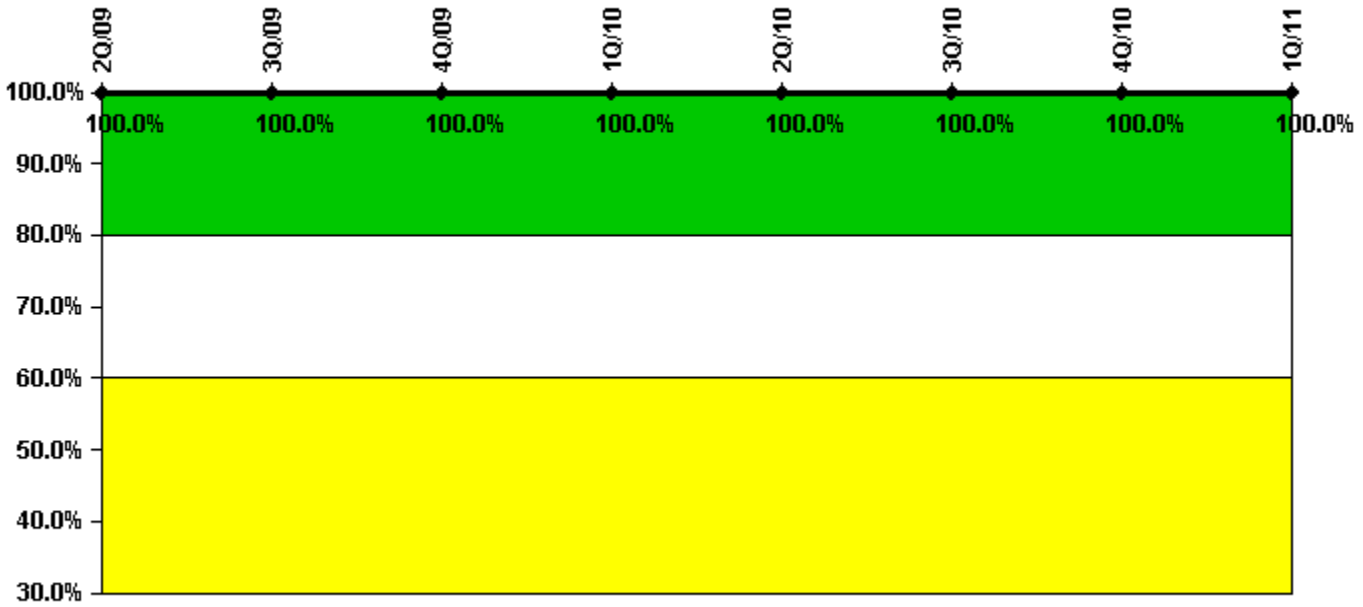
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful opportunities	21.0	21.0	62.0	3.0	26.0	23.0	59.0	29.0
Total opportunities	23.0	24.0	64.0	3.0	28.0	27.0	61.0	29.0
Indicator value	95.8%	94.8%	94.7%	94.8%	95.4%	93.7%	93.8%	94.2%

Licensee Comments: none

## ERO Drill Participation



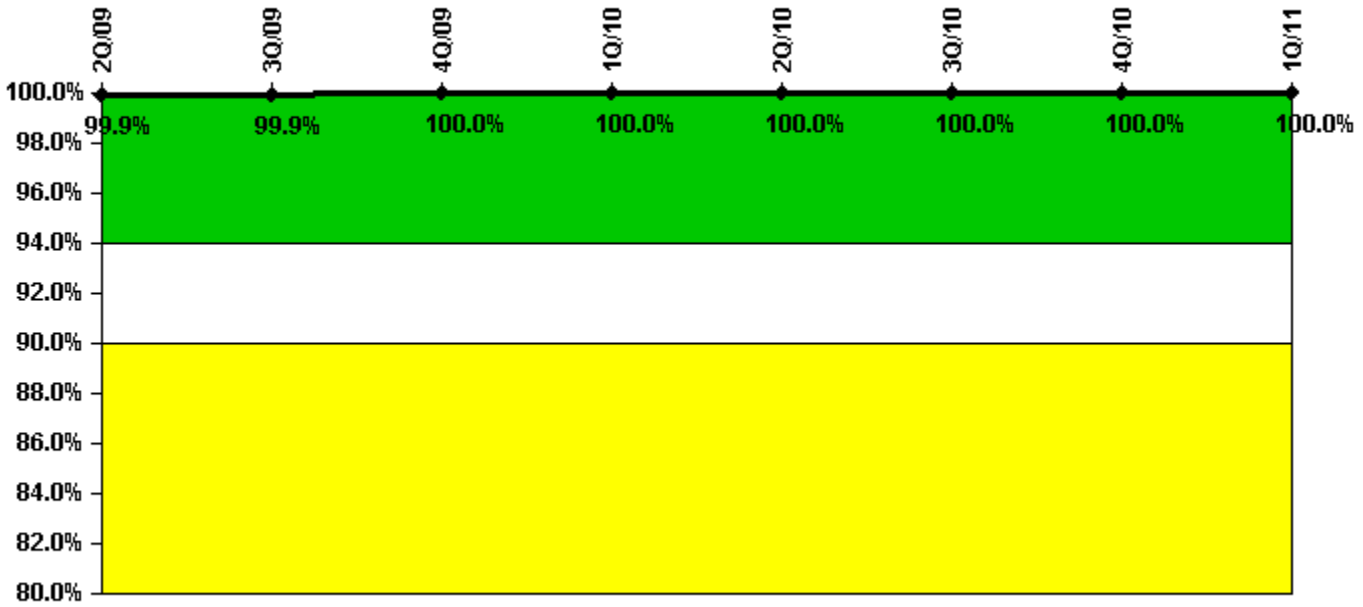
Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Participating Key personnel	99.0	92.0	100.0	98.0	99.0	94.0	98.0	93.0
Total Key personnel	99.0	92.0	100.0	98.0	99.0	94.0	98.0	93.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

# Alert & Notification System



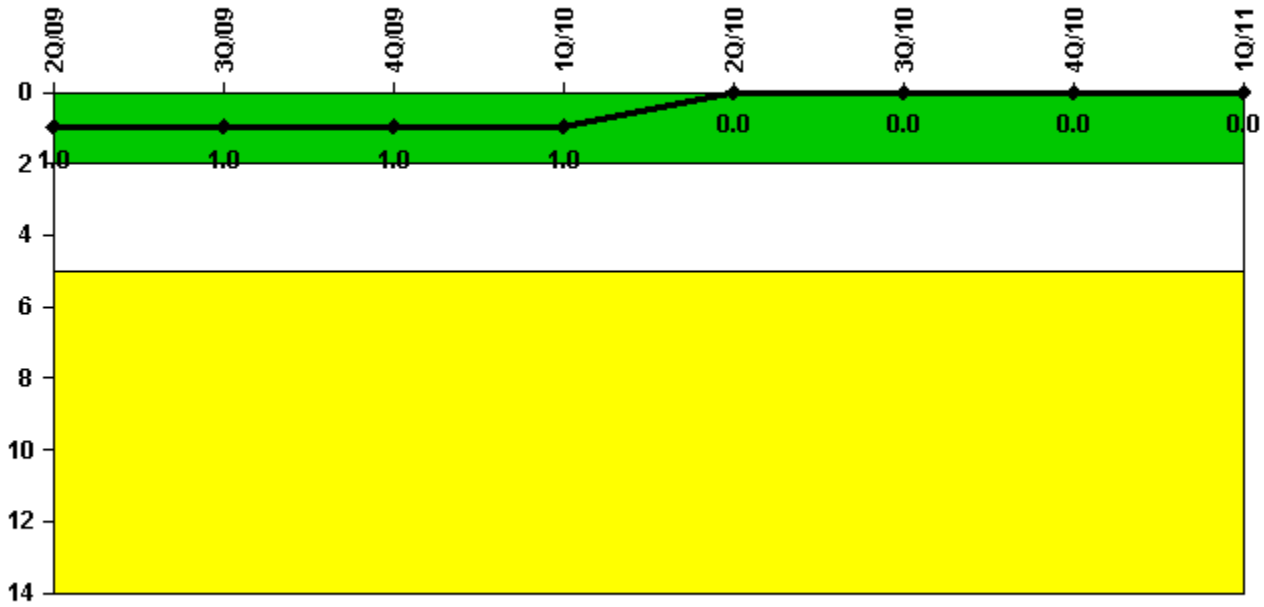
**Thresholds:** White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful siren-tests	702	702	702	702	648	702	755	648
Total sirens-tests	702	702	702	702	648	702	756	648
Indicator value	99.9%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

# Occupational Exposure Control Effectiveness



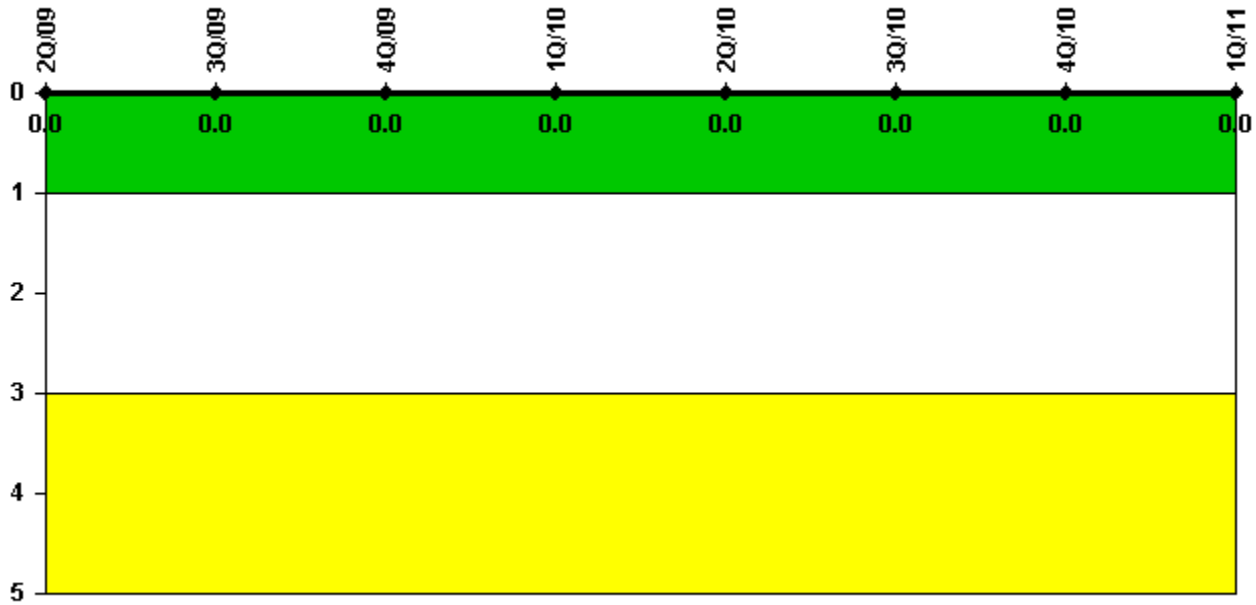
Thresholds: White > 2.0 Yellow > 5.0

## Notes

Occupational Exposure Control Effectiveness	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
High radiation area occurrences	1	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>1</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	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/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.