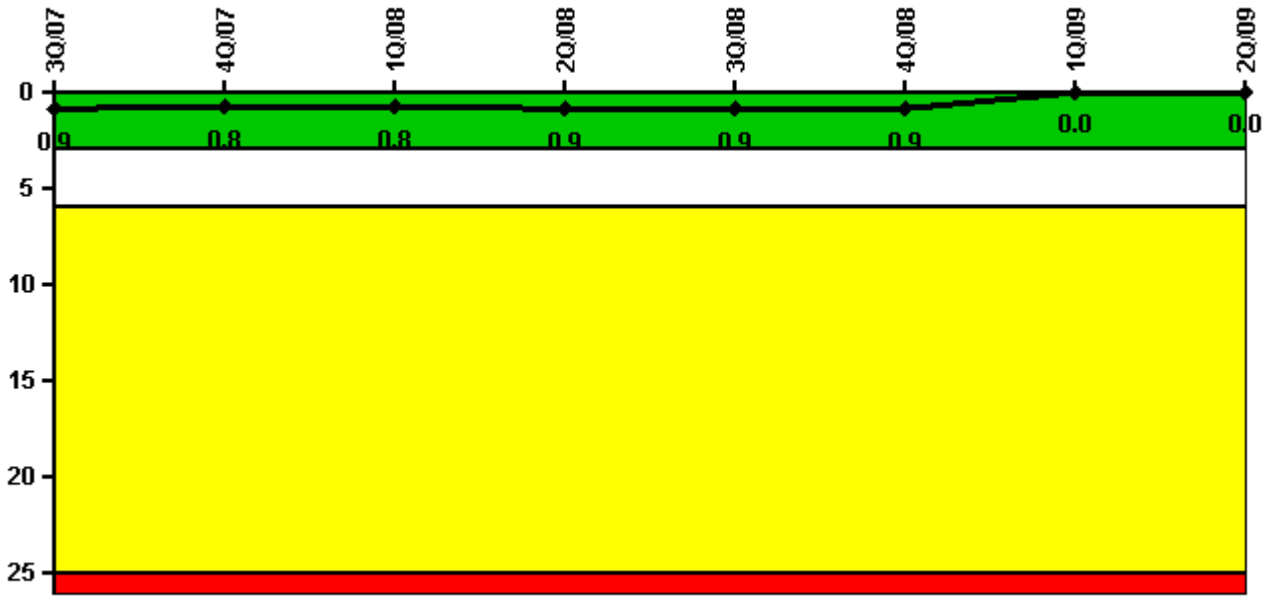


# Summer

## 2Q/2009 Performance Indicators

Licensee's General Comments: This change corrects a typographical error for the May DEP entry.

### Unplanned Scrams per 7000 Critical Hrs



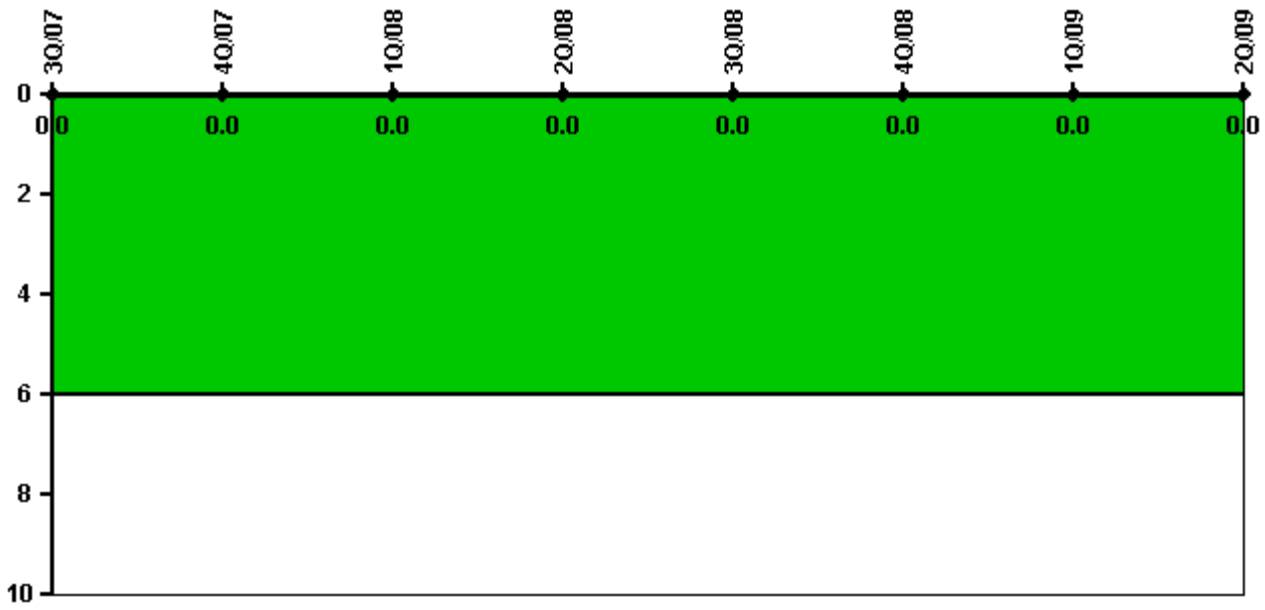
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	2002.8	1031.8	2208.0	2209.0	2159.0	2184.0
Indicator value	0.9	0.8	0.8	0.9	0.9	0.9	0	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



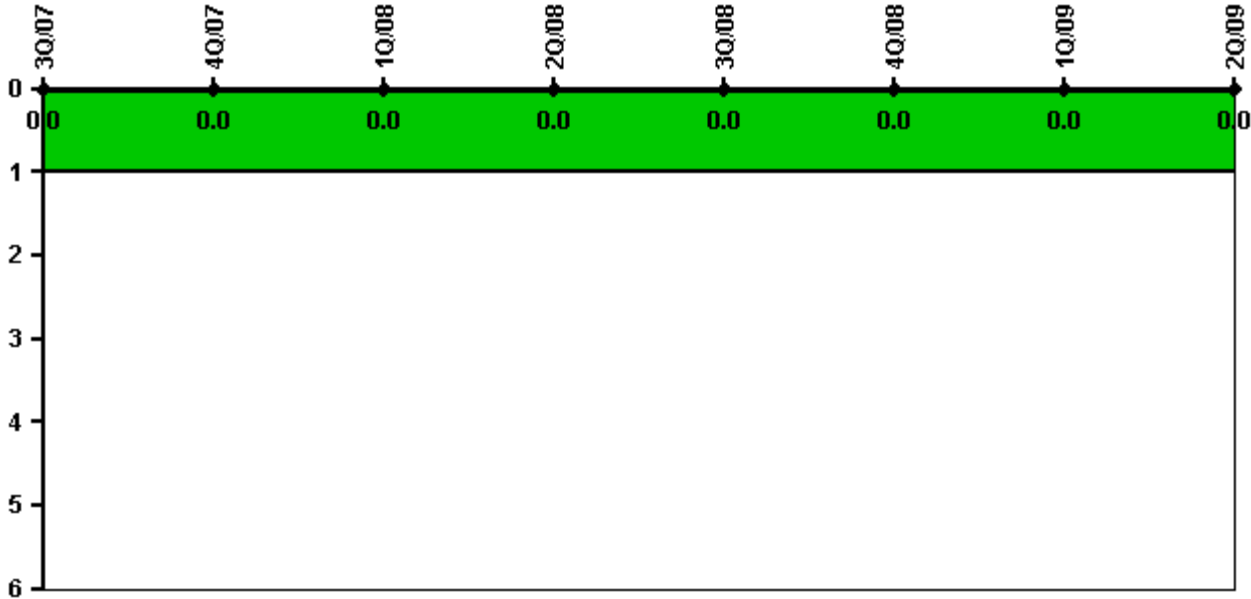
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2002.8	1031.8	2208.0	2209.0	2159.0	2184.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

# Unplanned Scrams with Complications



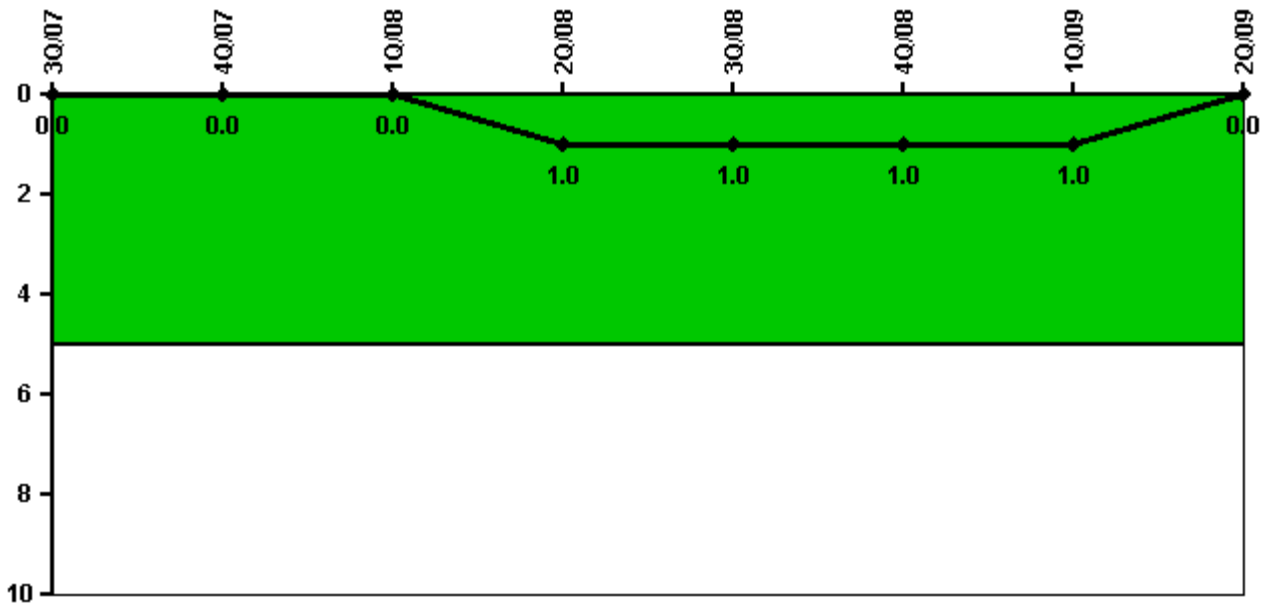
Thresholds: White > 1.0

**Notes**

Unplanned Scrams with Complications	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
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

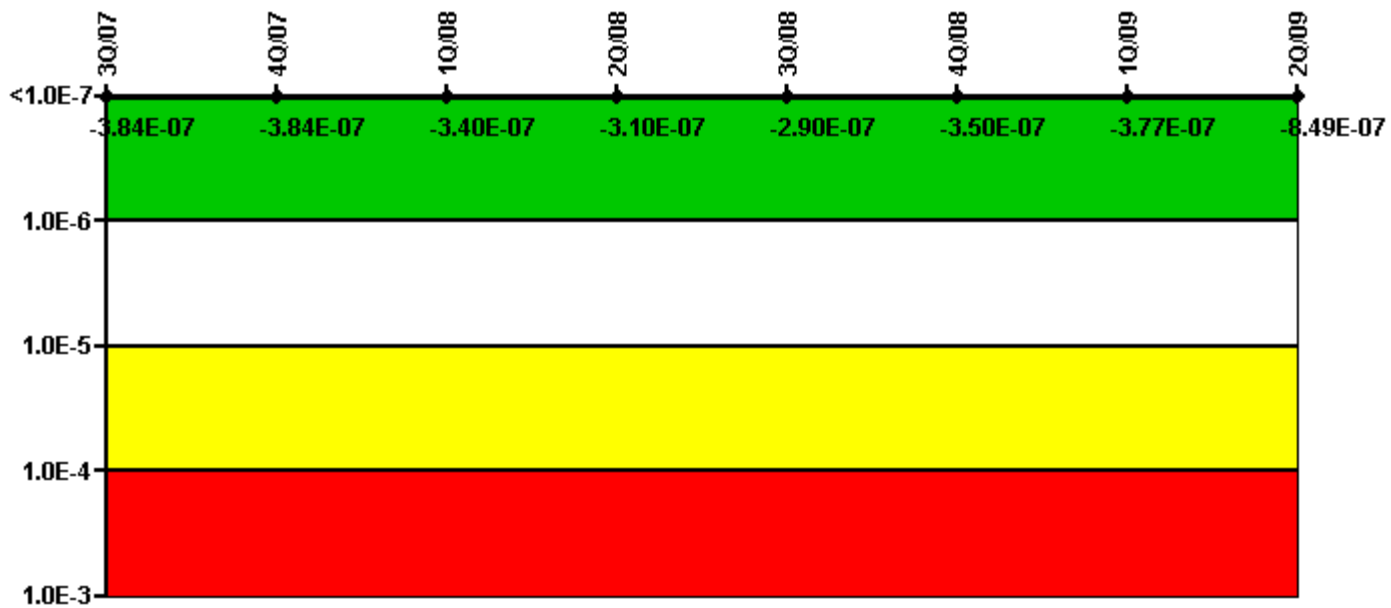
### Notes

Safety System Functional Failures (PWR)	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Safety System Functional Failures	0	0	0	1	0	0	0	0
Indicator value	0	0	0	1	1	1	1	0

Licensee Comments:

2Q/09: A 2nd quarter 2009 PRA revision incorporated changes to initiating event frequencies, equipment history and human reliability analysis values. There were no scoping changes or major changes to modeling methodology.

# Mitigating Systems Performance Index, Emergency AC Power System



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

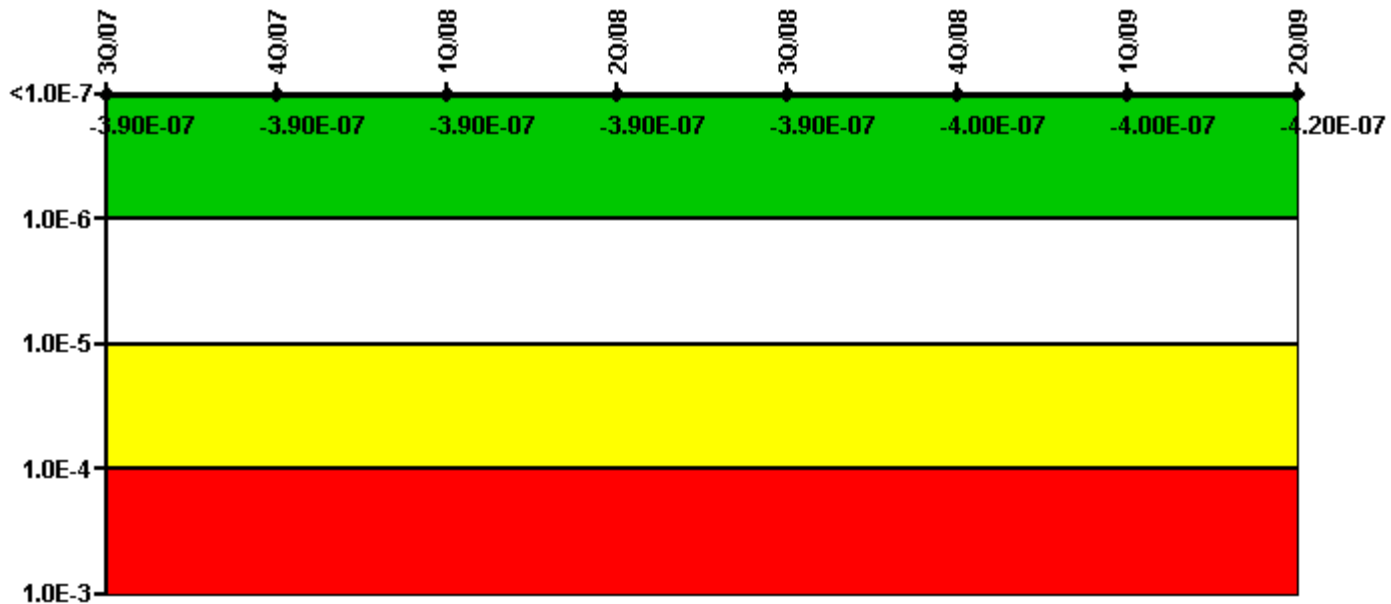
## Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI ( $\Delta$ CDF)	8.60E-08	8.60E-08	1.30E-07	1.50E-07	1.70E-07	1.10E-07	9.30E-08	9.10E-08
URI ( $\Delta$ CDF)	-4.70E-07	-4.70E-07	-4.70E-07	-4.60E-07	-4.60E-07	-4.60E-07	-4.70E-07	-9.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.84E-07	-3.84E-07	-3.40E-07	-3.10E-07	-2.90E-07	-3.50E-07	-3.77E-07	-8.49E-07

Licensee Comments:

2Q/09: A 2nd quarter 2009 PRA revision incorporated changes to initiating event frequencies, equipment history and human reliability analysis values. There were no scoping changes or major changes to modeling methodology.

# Mitigating Systems Performance Index, High Pressure Injection System



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

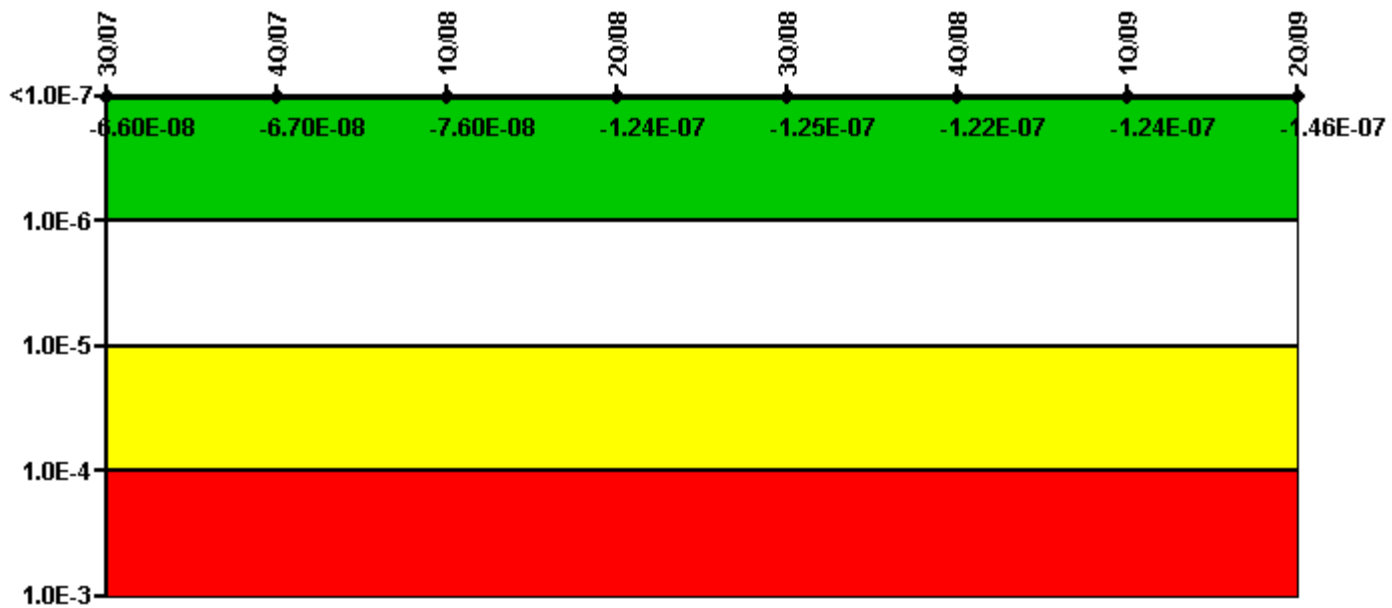
## Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI ( $\Delta$ CDF)	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.70E-07
URI ( $\Delta$ CDF)	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.50E-07	-2.50E-07	-2.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.90E-07	-3.90E-07	-3.90E-07	-3.90E-07	-3.90E-07	-4.00E-07	-4.00E-07	-4.20E-07

Licensee Comments:

2Q/09: A 2nd quarter 2009 PRA revision incorporated changes to initiating event frequencies, equipment history and human reliability analysis values. There were no scoping changes or major changes to modeling methodology.

# Mitigating Systems Performance Index, Heat Removal System



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

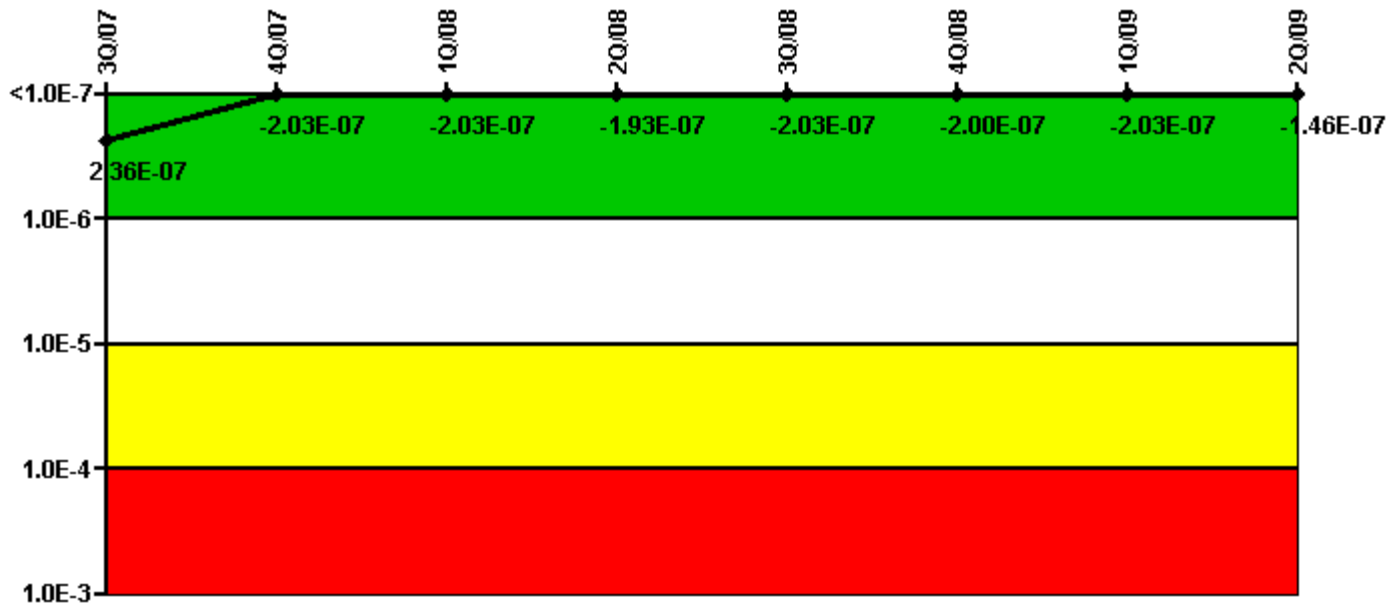
## Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI ( $\Delta$ CDF)	3.40E-08	3.30E-08	3.40E-08	-2.40E-08	-2.50E-08	-2.20E-08	-2.40E-08	-2.60E-08
URI ( $\Delta$ CDF)	-1.00E-07	-1.00E-07	-1.10E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.60E-08	-6.70E-08	-7.60E-08	-1.24E-07	-1.25E-07	-1.22E-07	-1.24E-07	-1.46E-07

Licensee Comments:

2Q/09: A 2nd quarter 2009 PRA revision incorporated changes to initiating event frequencies, equipment history and human reliability analysis values. There were no scoping changes or major changes to modeling methodology.

# Mitigating Systems Performance Index, Residual Heat Removal System



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

## Notes

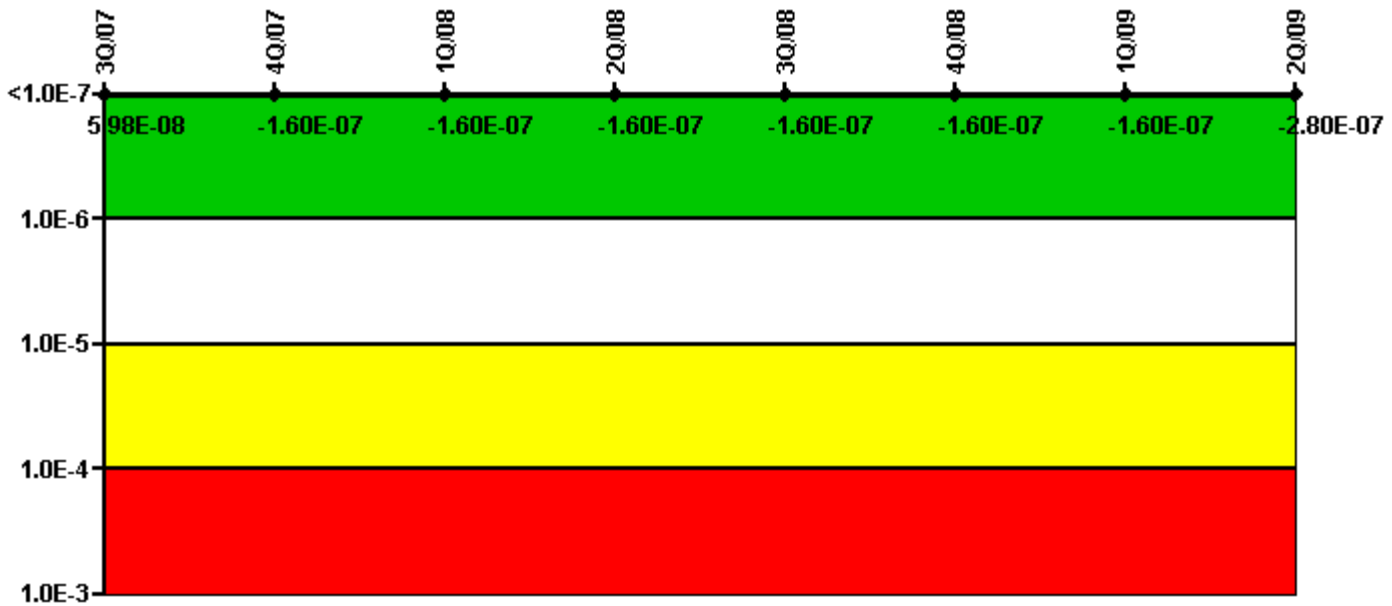
Mitigating Systems Performance Index, Residual Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	-1.40E-08	-2.30E-08	-2.30E-08	-2.30E-08	-2.30E-08	-2.00E-08	-2.30E-08	-1.60E-08
URI (ΔCDF)	2.50E-07	-1.80E-07	-1.80E-07	-1.70E-07	-1.80E-07	-1.80E-07	-1.80E-07	-1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.36E-07	-2.03E-07	-2.03E-07	-1.93E-07	-2.03E-07	-2.00E-07	-2.03E-07	-1.46E-07

Licensee Comments:

2Q/09: A 2nd quarter 2009 PRA revision incorporated changes to initiating event frequencies, equipment history and human reliability analysis values. There were no scoping changes or major changes to modeling methodology.



# Mitigating Systems Performance Index, Cooling Water Systems



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

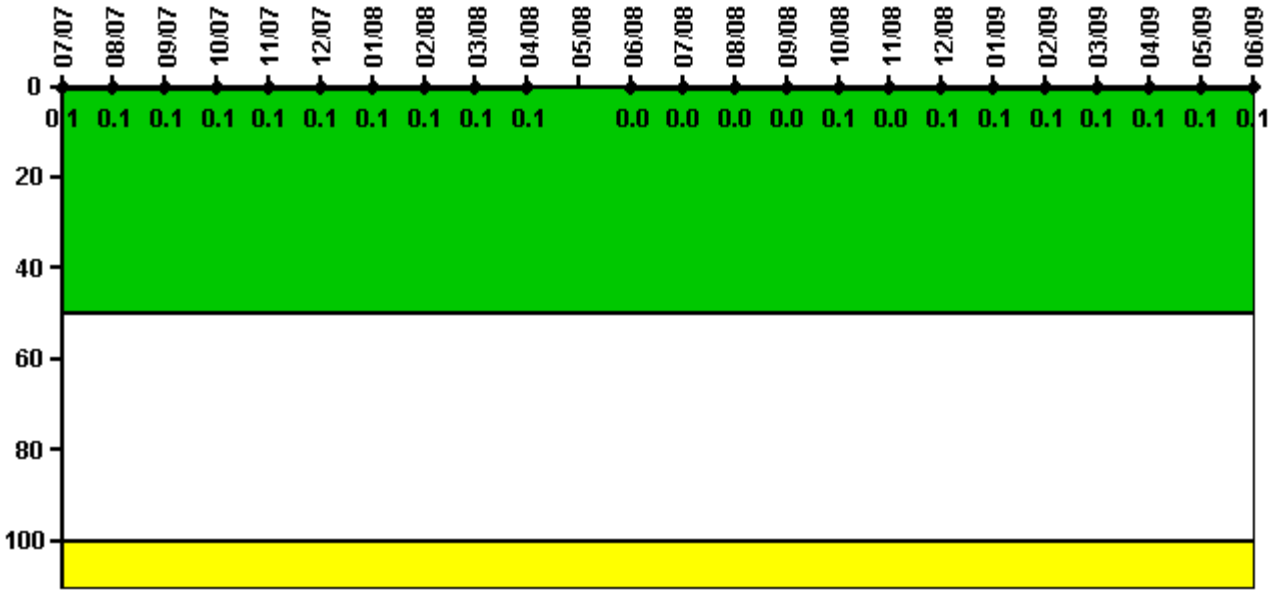
## Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI ( $\Delta$ CDF)	9.80E-09	9.80E-09	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	-3.00E-08
URI ( $\Delta$ CDF)	5.00E-08	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-2.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.98E-08	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-2.80E-07

Licensee Comments:

2Q/09: A 2nd quarter 2009 PRA revision incorporated changes to initiating event frequencies, equipment history and human reliability analysis values. There were no scoping changes or major changes to modeling methodology.

## Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

### Notes

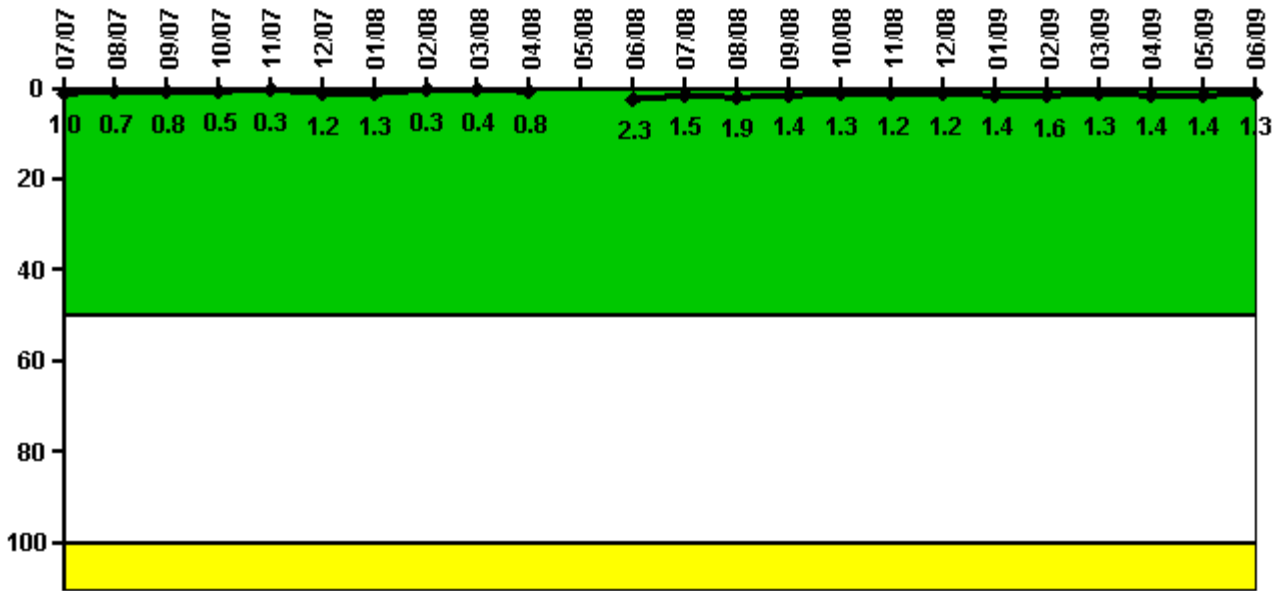
Reactor Coolant System Activity	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum activity	0.000973	0.001011	0.001033	0.001062	0.001097	0.001125	0.001146	0.001155	0.001195	0.001238	N/A	0.000446
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A	0

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	0.000466	0.000476	0.000485	0.000530	0.000493	0.000514	0.000518	0.000519	0.000547	0.000548	0.000565	0.000571
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	0	0	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

## Reactor Coolant System Leakage



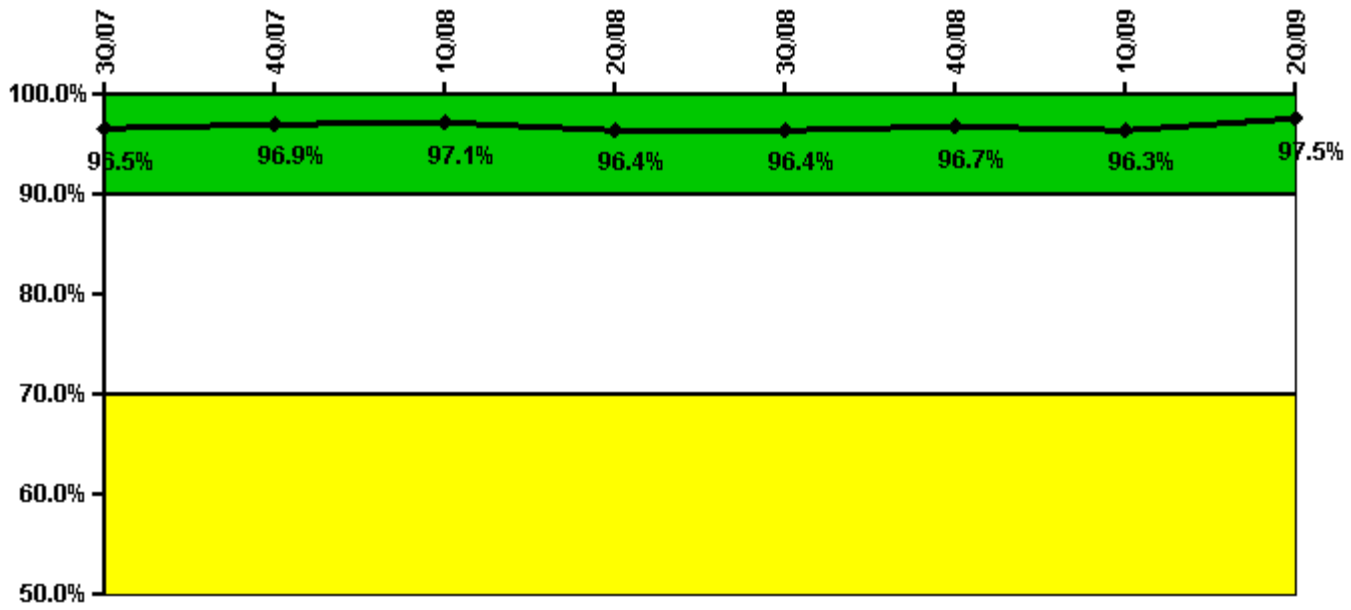
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum leakage	0.100	0.070	0.080	0.050	0.030	0.120	0.130	0.030	0.040	0.080	N/A	0.230
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	1.0	0.7	0.8	0.5	0.3	1.2	1.3	0.3	0.4	0.8	N/A	2.3
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	0.150	0.190	0.140	0.130	0.120	0.120	0.140	0.160	0.130	0.140	0.140	0.130
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	1.5	1.9	1.4	1.3	1.2	1.2	1.4	1.6	1.3	1.4	1.4	1.3

Licensee Comments: none

## Drill/Exercise Performance



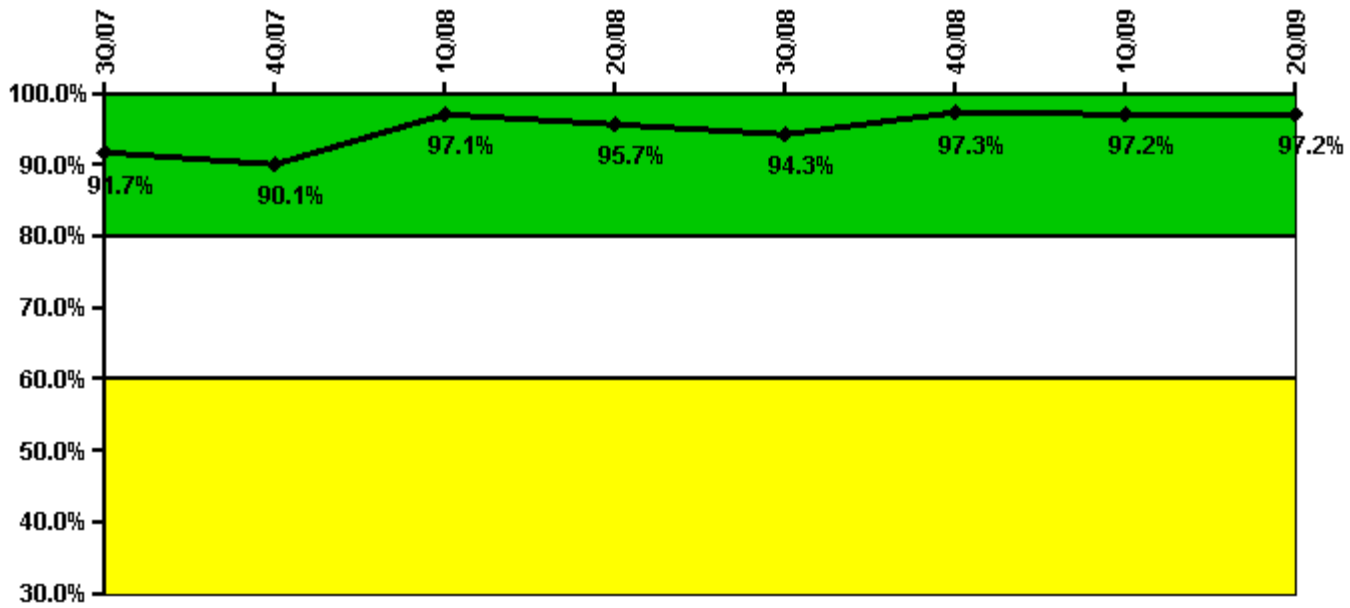
**Thresholds:** White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful opportunities	36.0	8.0	39.0	0	25.0	16.0	11.0	24.0
Total opportunities	38.0	8.0	40.0	0	25.0	16.0	12.0	24.0
Indicator value	96.5%	96.9%	97.1%	96.4%	96.4%	96.7%	96.3%	97.5%

Licensee Comments: none

## ERO Drill Participation



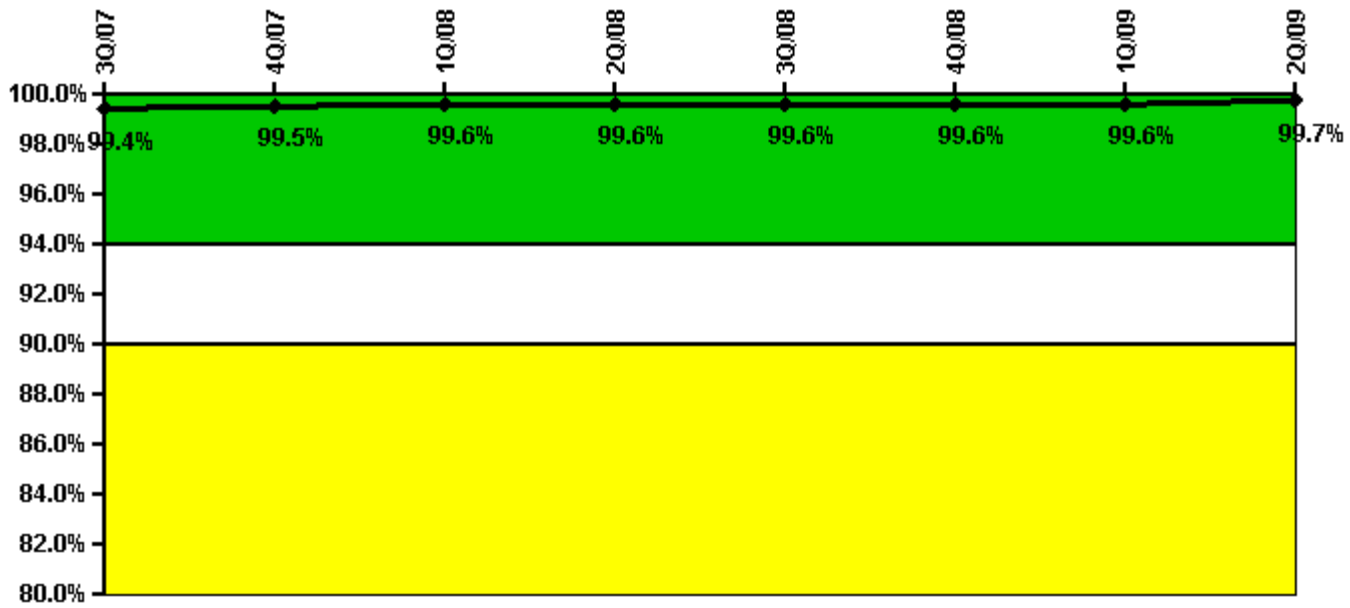
Thresholds: White < 80.0% Yellow < 60.0%

### Notes

ERO Drill Participation	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Participating Key personnel	66.0	64.0	66.0	66.0	66.0	71.0	70.0	70.0
Total Key personnel	72.0	71.0	68.0	69.0	70.0	73.0	72.0	72.0
Indicator value	91.7%	90.1%	97.1%	95.7%	94.3%	97.3%	97.2%	97.2%

Licensee Comments: none

## Alert & Notification System



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

### Notes

Alert & Notification System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful siren-tests	738	844	846	738	845	739	845	742
Total sirens-tests	742	848	848	742	848	742	848	742
Indicator value	99.4%	99.5%	99.6%	99.6%	99.6%	99.6%	99.6%	99.7%

Licensee Comments: none

# Occupational Exposure Control Effectiveness



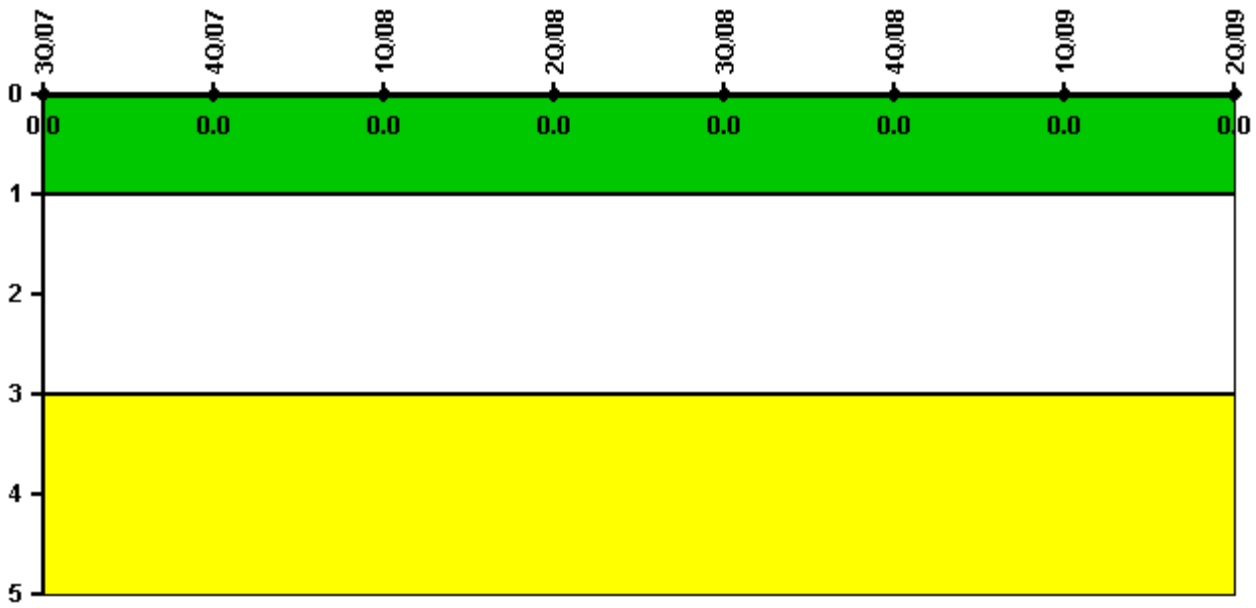
Thresholds: White > 2.0 Yellow > 5.0

## Notes

Occupational Exposure Control Effectiveness	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
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
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

## RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

### Notes

RETS/ODCM Radiological Effluent	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
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.