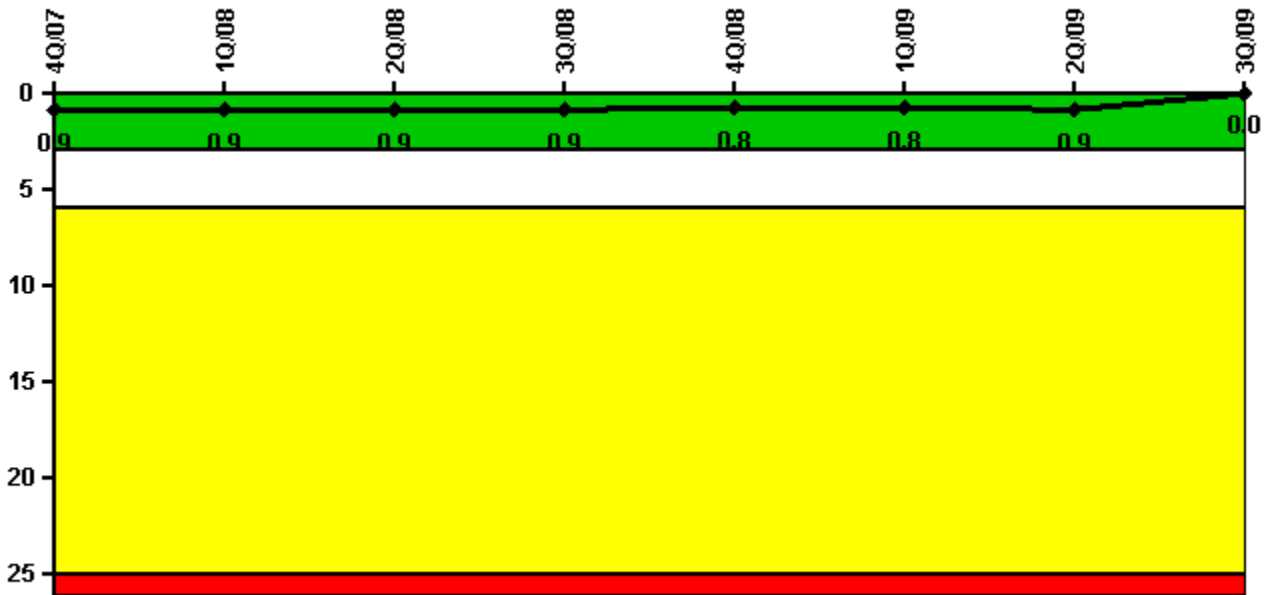


# Harris 1

## 3Q/2009 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



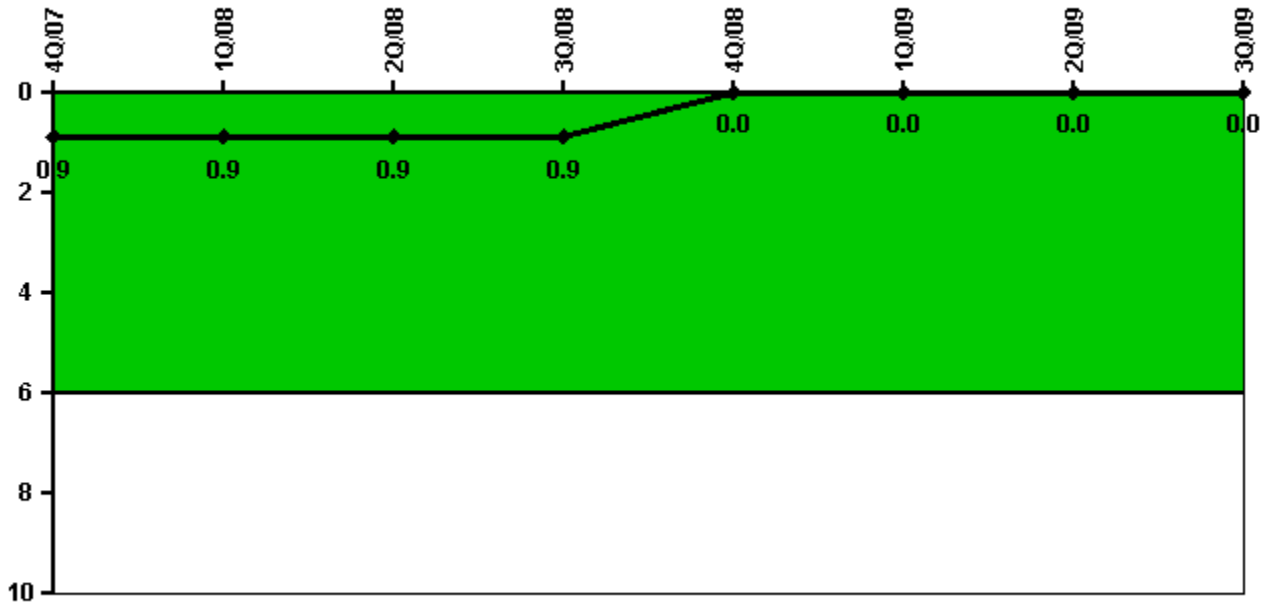
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	1688.1	2183.0	2184.0	1975.9	2209.0	2159.0	1651.4	2208.0
Indicator value	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



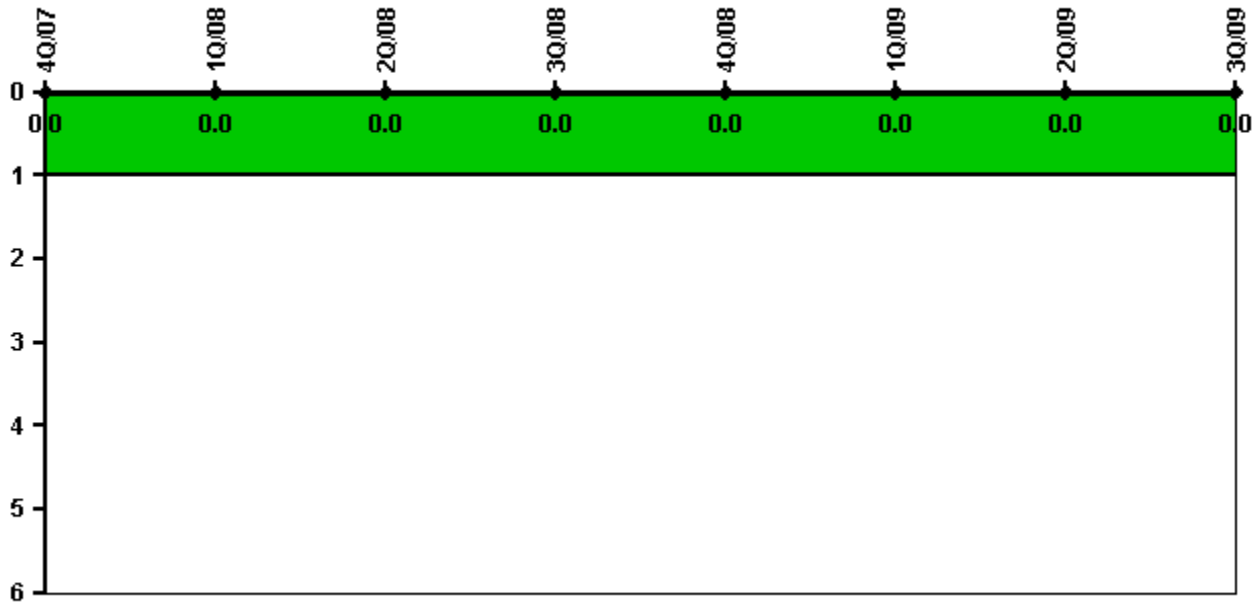
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	1688.1	2183.0	2184.0	1975.9	2209.0	2159.0	1651.4	2208.0
Indicator value	0.9	0.9	0.9	0.9	0	0	0	0

Licensee Comments: none

## Unplanned Scrams with Complications



Thresholds: White > 1.0

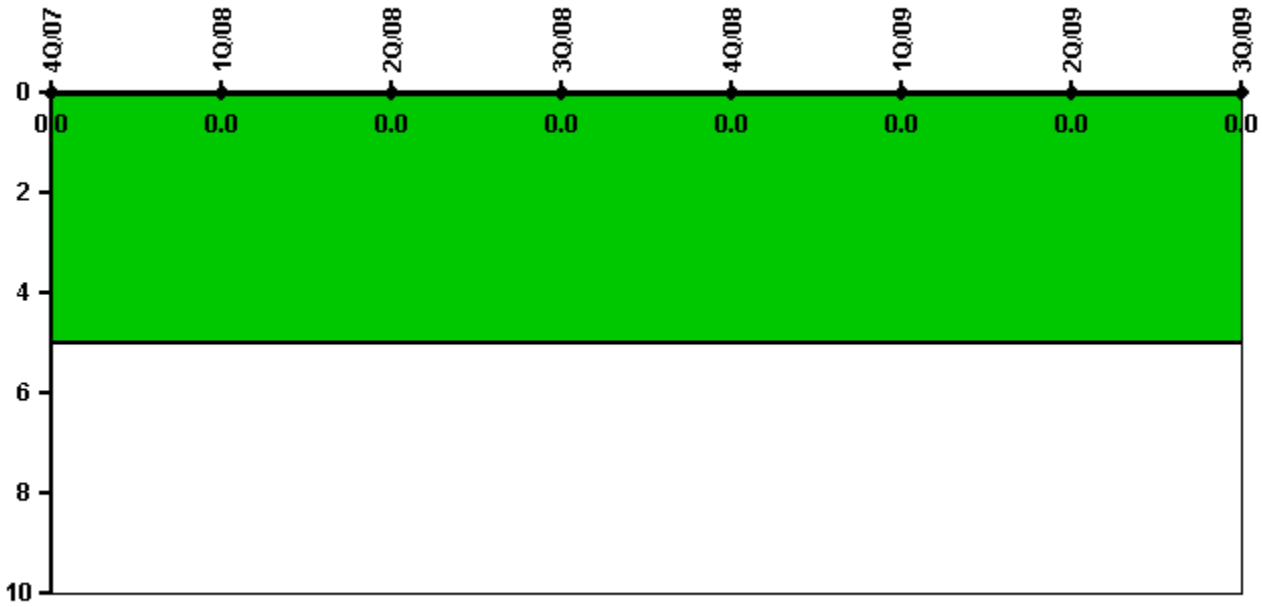
### Notes

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

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## Safety System Functional Failures (PWR)



Thresholds: White > 5.0

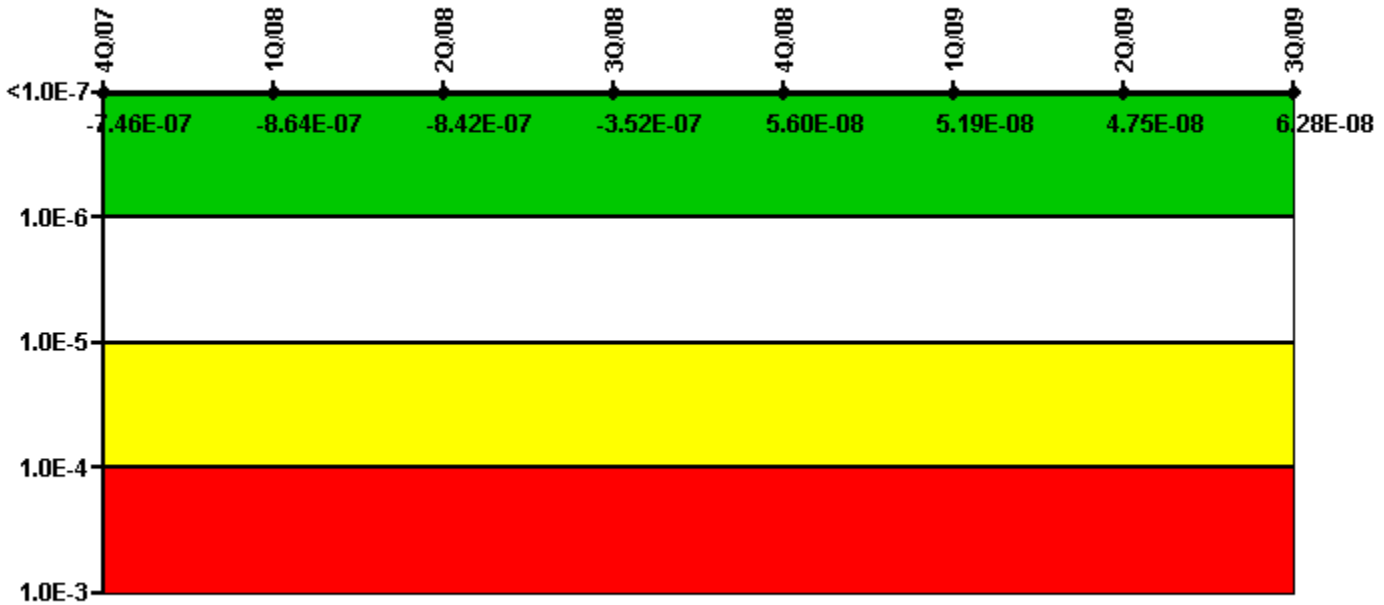
### Notes

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

Licensee Comments: none

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# Mitigating Systems Performance Index, Emergency AC Power System



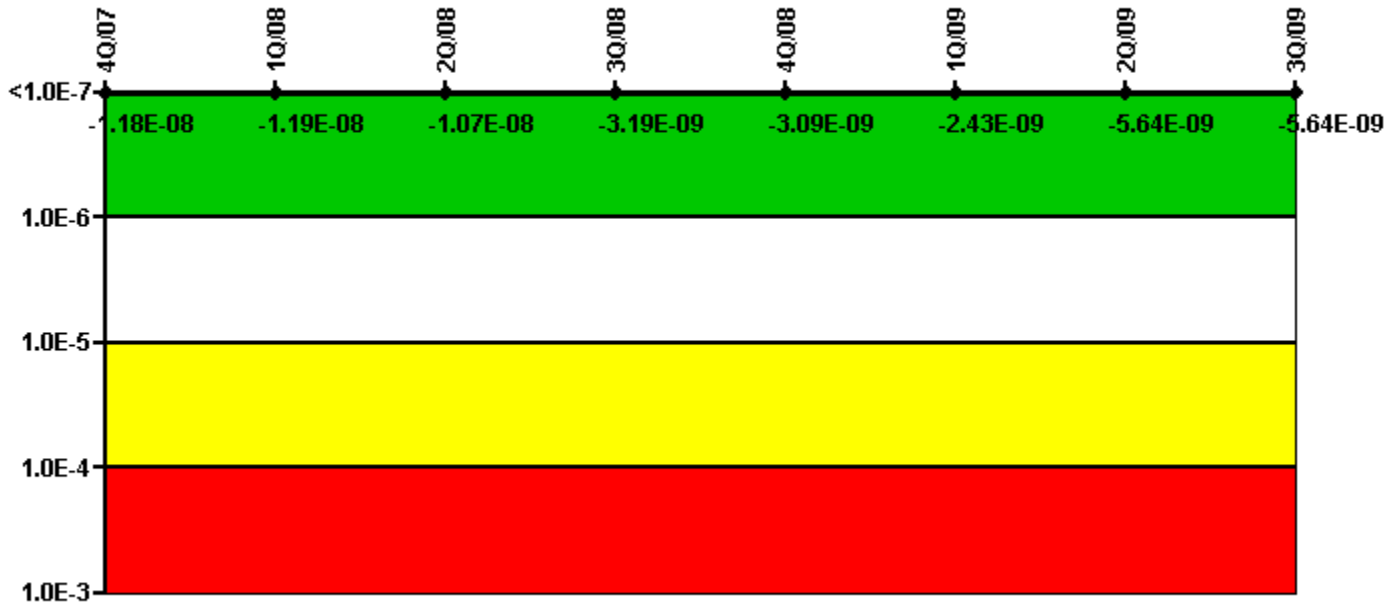
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI ( $\Delta$ CDF)	7.40E-08	-4.40E-08	-2.20E-08	-2.10E-09	-2.00E-09	-6.10E-09	-8.50E-09	6.80E-09
URI ( $\Delta$ CDF)	-8.20E-07	-8.20E-07	-8.20E-07	-3.50E-07	5.80E-08	5.80E-08	5.60E-08	5.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.46E-07	-8.64E-07	-8.42E-07	-3.52E-07	5.60E-08	5.19E-08	4.75E-08	6.28E-08

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



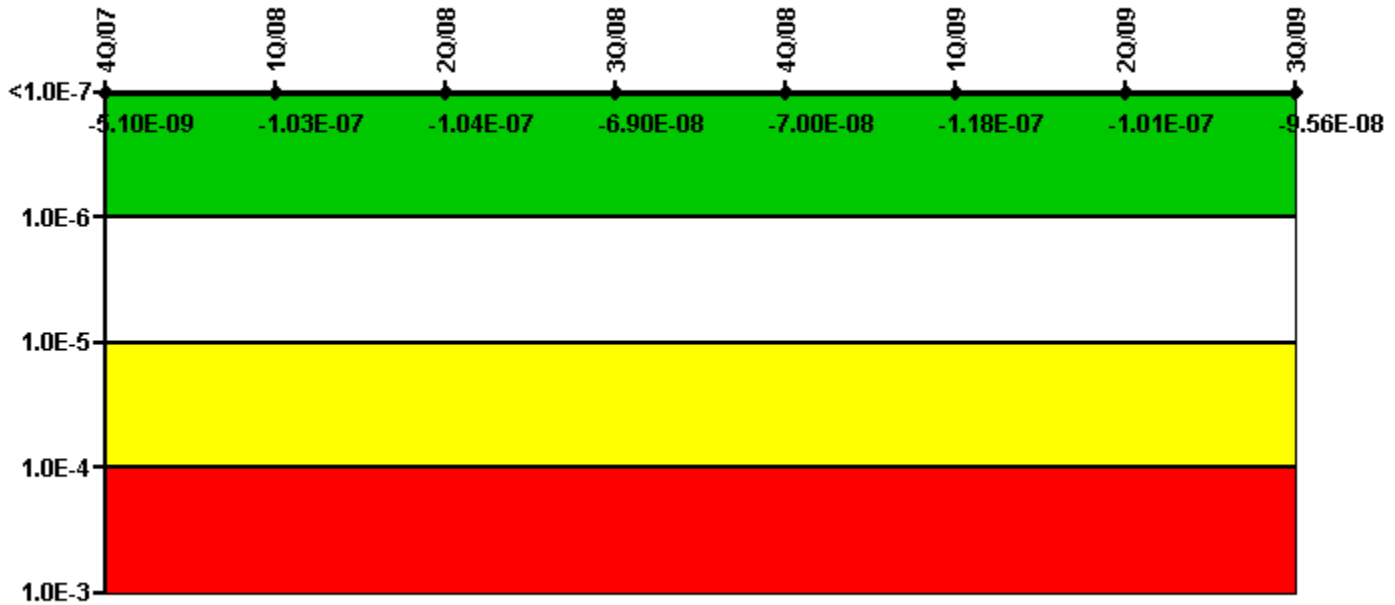
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI ( $\Delta$ CDF)	-8.40E-10	-8.50E-10	3.10E-10	-8.70E-11	-8.70E-11	3.70E-10	9.60E-10	9.60E-10
URI ( $\Delta$ CDF)	-1.10E-08	-1.10E-08	-1.10E-08	-3.10E-09	-3.00E-09	-2.80E-09	-6.60E-09	-6.60E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.18E-08	-1.19E-08	-1.07E-08	-3.19E-09	-3.09E-09	-2.43E-09	-5.64E-09	-5.64E-09

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



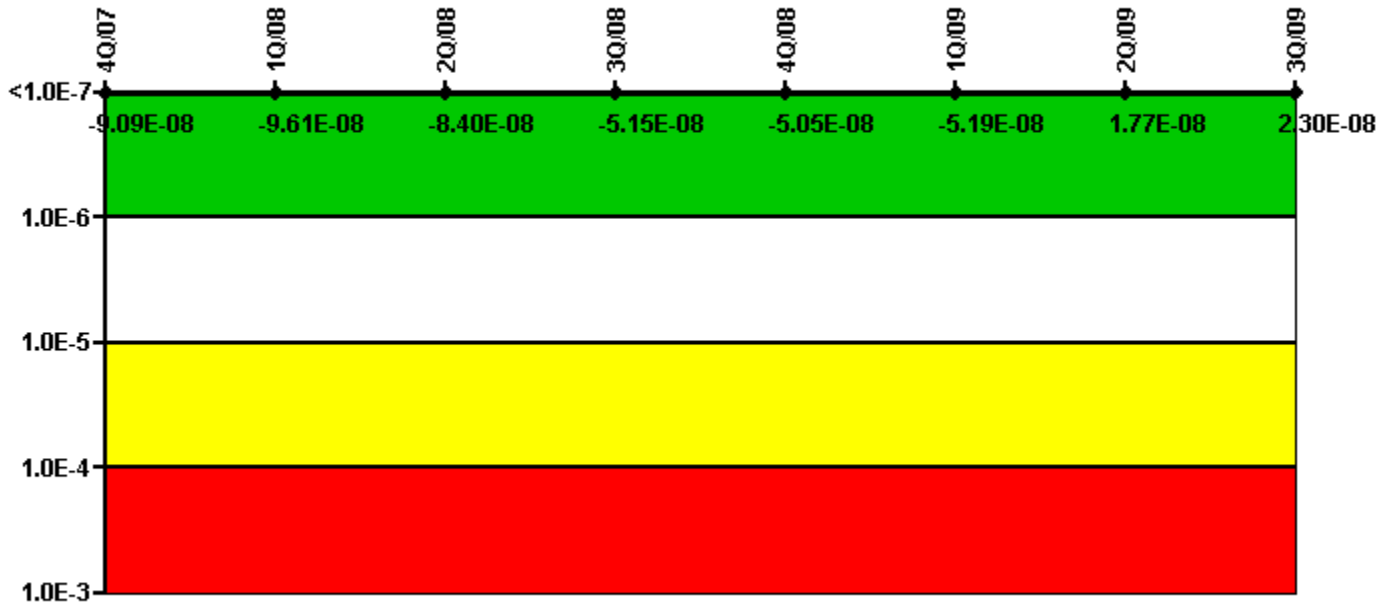
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI ( $\Delta$ CDF)	-9.70E-09	-2.40E-08	-2.50E-08	-1.80E-08	-1.80E-08	-1.80E-08	-7.40E-09	-2.60E-09
URI ( $\Delta$ CDF)	4.60E-09	-7.90E-08	-7.90E-08	-5.10E-08	-5.20E-08	-1.00E-07	-9.40E-08	-9.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.10E-09	-1.03E-07	-1.04E-07	-6.90E-08	-7.00E-08	-1.18E-07	-1.01E-07	-9.56E-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

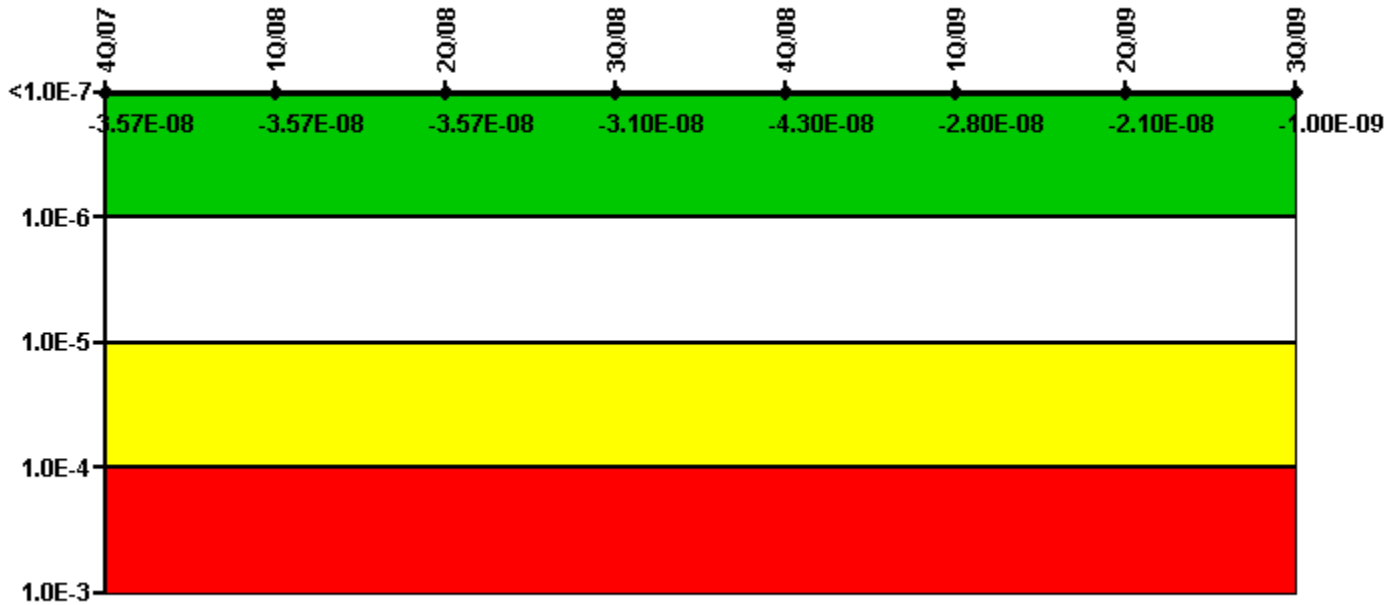
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI ( $\Delta$ CDF)	5.10E-09	-7.50E-11	1.20E-08	-1.50E-09	-1.50E-09	-3.90E-09	-4.30E-09	-9.80E-10
URI ( $\Delta$ CDF)	-9.60E-08	-9.60E-08	-9.60E-08	-5.00E-08	-4.90E-08	-4.80E-08	2.20E-08	2.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.09E-08	-9.61E-08	-8.40E-08	-5.15E-08	-5.05E-08	-5.19E-08	1.77E-08	2.30E-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/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI ( $\Delta$ CDF)	3.40E-10	3.40E-10	3.40E-10	3.30E-08	2.70E-08	4.80E-08	3.20E-08	5.60E-08
URI ( $\Delta$ CDF)	-3.60E-08	-3.60E-08	-3.60E-08	-6.40E-08	-7.00E-08	-7.60E-08	-5.30E-08	-5.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.57E-08	-3.57E-08	-3.57E-08	-3.10E-08	-4.30E-08	-2.80E-08	-2.10E-08	-1.00E-09

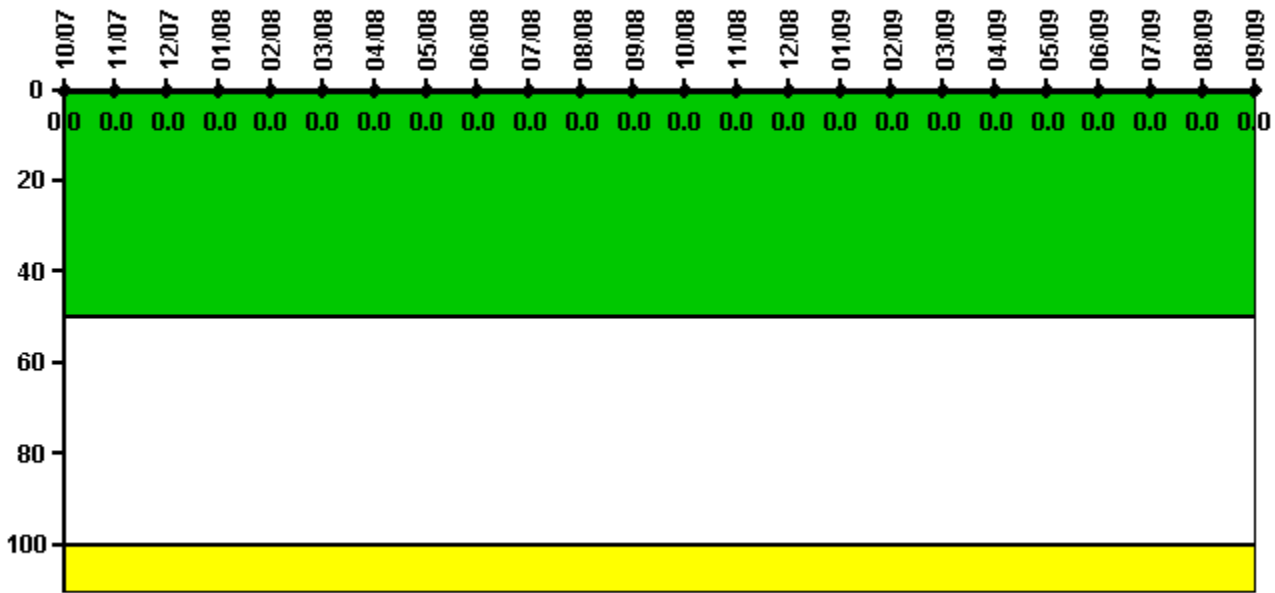
## Licensee Comments:

3Q/09: On October 19, 2007, 1SW-271 failed to auto open after an ESW pump start due to an inadequate clearance. Plant was in Mode 5. Initially the failure was not logged as a MSPI failure due to taking credit for the operator manually opening the valve from the control switch. After further review, it was determined that this should be logged as a MSPI failure. No unavailability of the B ESW train is assigned since the plant was in Mode 5. No color change.

2Q/09: Updated PRA parameters to reflect MSPI Basis Document update to PRA 2007a Model of Record.

3Q/08: MSPI Basis Document updated to reflect 2007 PRA Model of Record. Added two new monitored components: 1SW-39 and 1SW-40.

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

Reactor Coolant System Activity	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum activity	0.000033	0.000041	0.000127	0.000045	0.000081	0.000054	0.000054	0.000056	0.000060	0.000061	0.000066	0.000068
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	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum activity	0.000071	0.000073	0.000079	0.000083	0.000233	0.000095	0.000080	0.000045	0.000056	0.000070	0.000427	0.000089
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	0	0	0	0	0	0	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



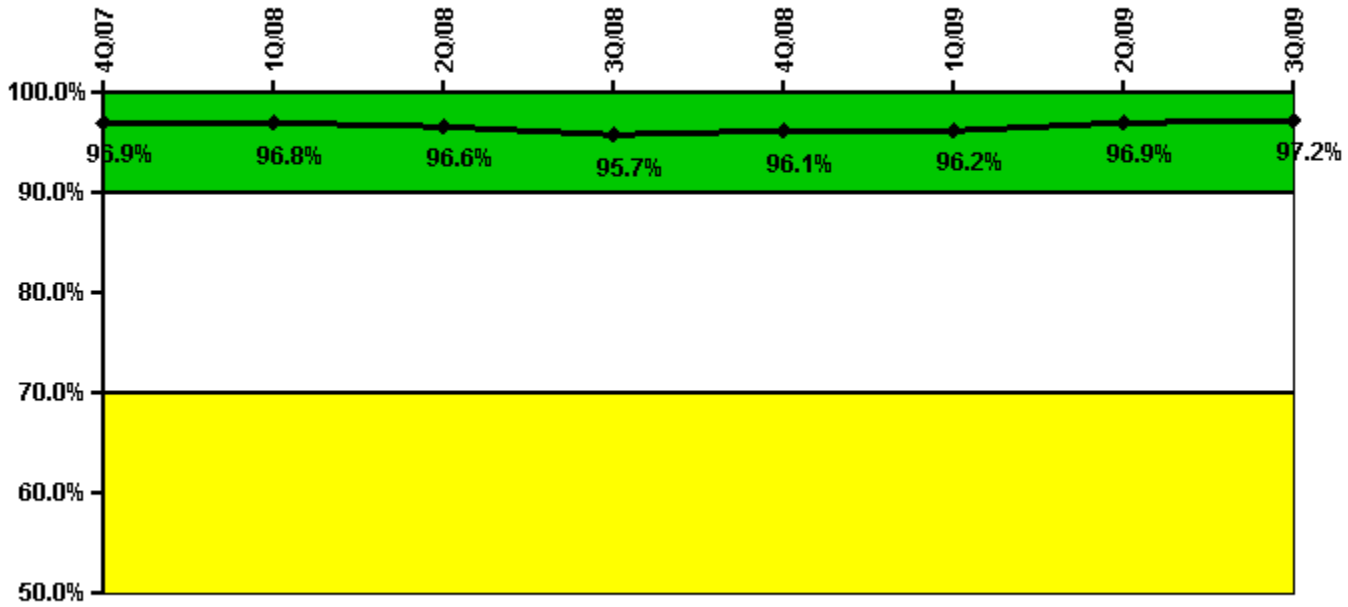
Thresholds: White > 50.0 Yellow > 100.0

### Notes

Reactor Coolant System Leakage	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum leakage	0.010	0.030	0.020	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.050	0.020
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	0.1	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.2
Reactor Coolant System Leakage	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum leakage	0.020	0.030	0.020	0.020	0.020	0.016	0.039	0.030	0.020	0.020	0.020	0.040
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	0.2	0.3	0.2	0.2	0.2	0.2	0.4	0.3	0.2	0.2	0.2	0.4

Licensee Comments: none

## Drill/Exercise Performance



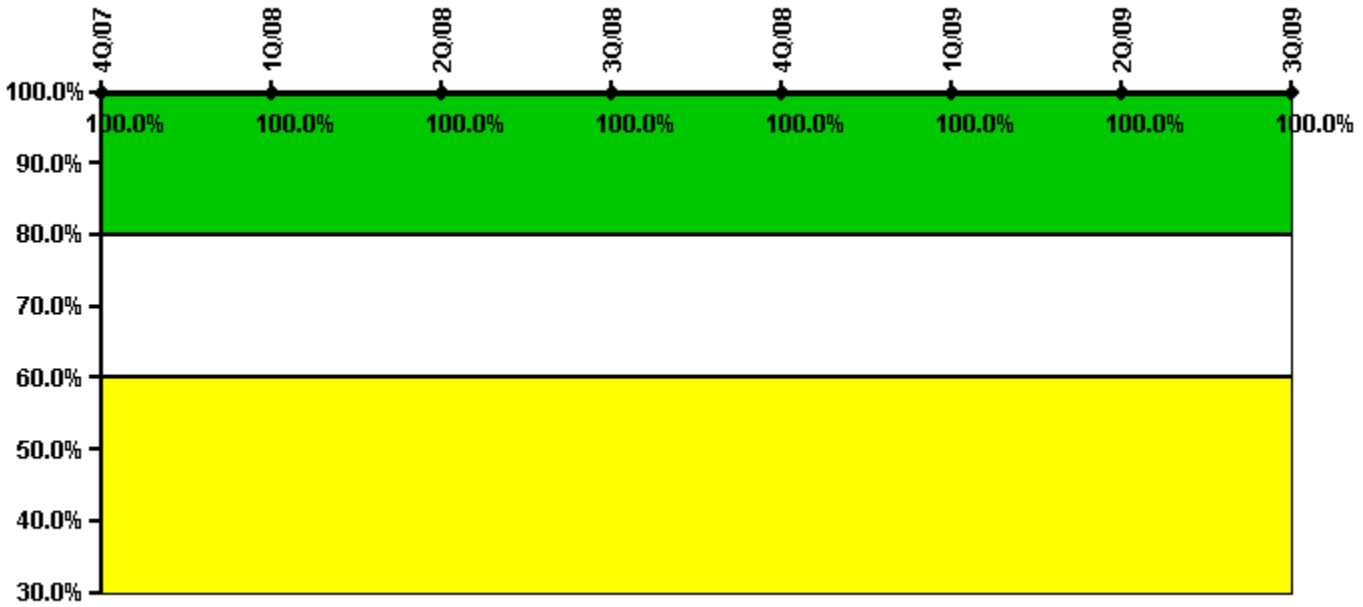
**Thresholds: White < 90.0% Yellow < 70.0%**

### Notes

Drill/Exercise Performance	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful opportunities	21.0	6.0	31.0	17.0	29.0	54.0	20.0	29.0
Total opportunities	22.0	6.0	33.0	18.0	29.0	55.0	20.0	30.0
Indicator value	96.9%	96.8%	96.6%	95.7%	96.1%	96.2%	96.9%	97.2%

Licensee Comments: none

## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

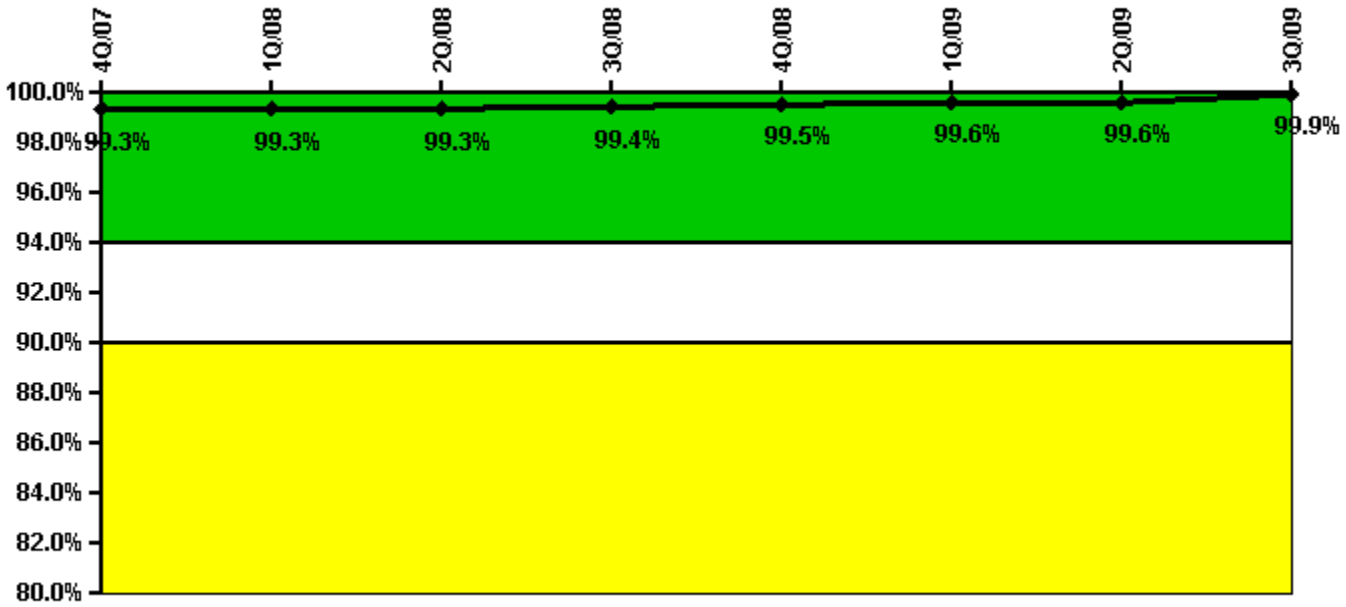
### Notes

ERO Drill Participation	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Participating Key personnel	43.0	42.0	42.0	45.0	43.0	41.0	38.0	47.0
Total Key personnel	43.0	42.0	42.0	45.0	43.0	41.0	38.0	47.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

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# Alert & Notification System



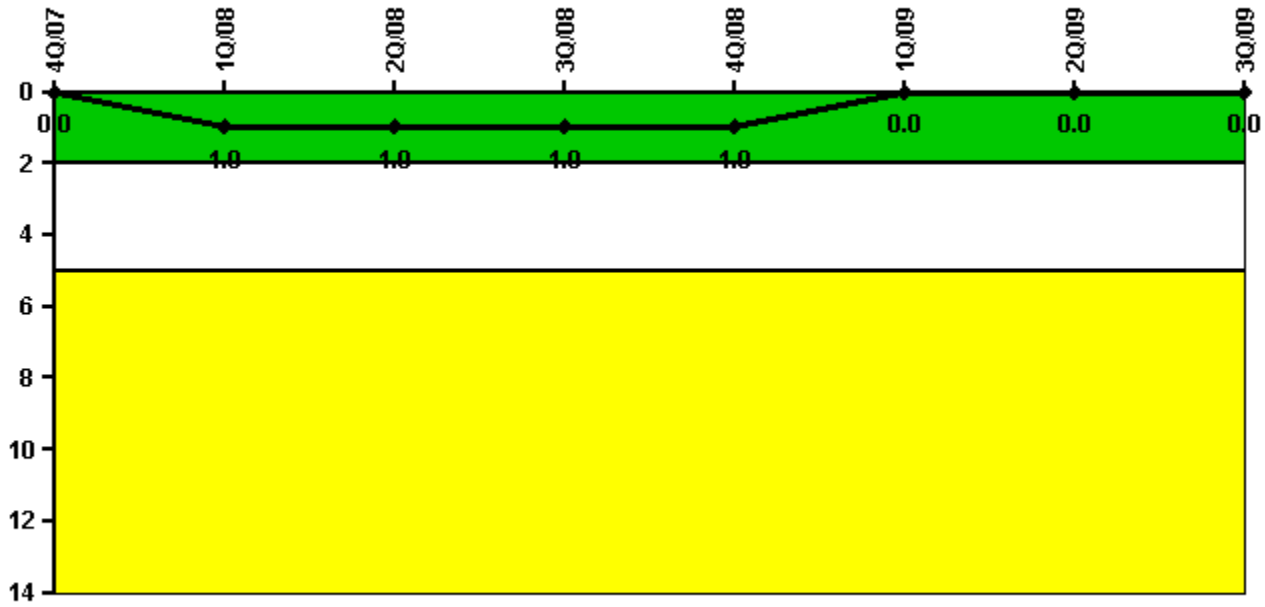
**Thresholds: White < 94.0% Yellow < 90.0%**

## Notes

Alert & Notification System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful siren-tests	563	565	663	657	662	580	664	747
Total sirens-tests	567	567	664	664	664	581	664	747
Indicator value	99.3%	99.3%	99.3%	99.4%	99.5%	99.6%	99.6%	99.9%

Licensee Comments: none

# Occupational Exposure Control Effectiveness



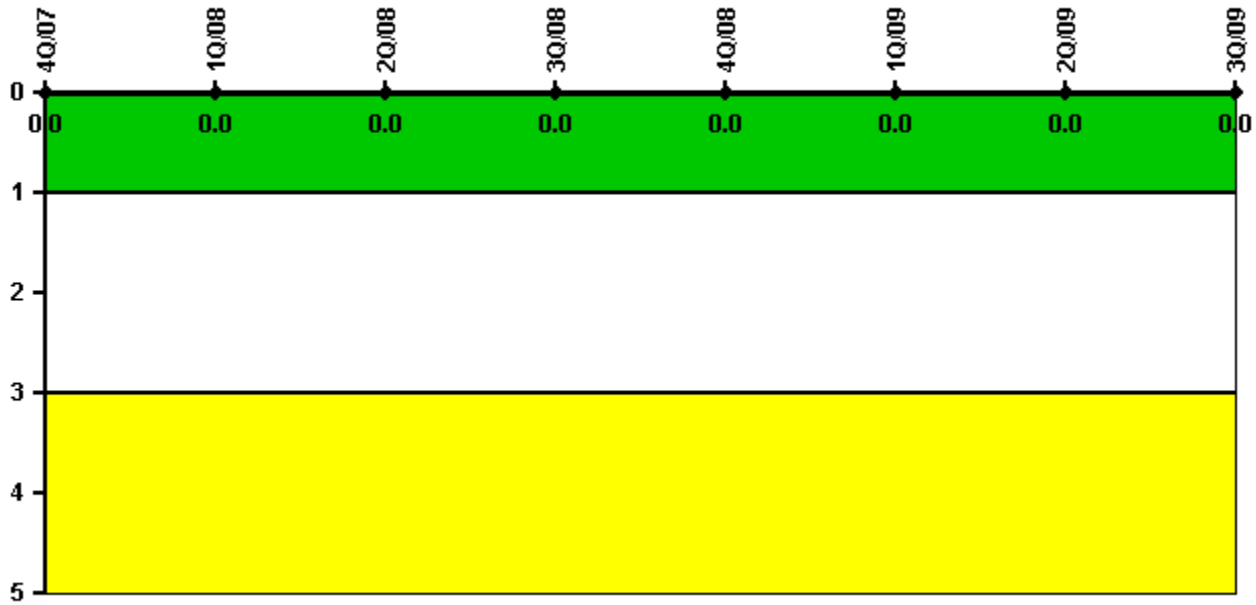
Thresholds: White > 2.0 Yellow > 5.0

## Notes

Occupational Exposure Control Effectiveness	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
High radiation area occurrences	0	1	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>1</b>	<b>1</b>	<b>1</b>	<b>1</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	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/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.