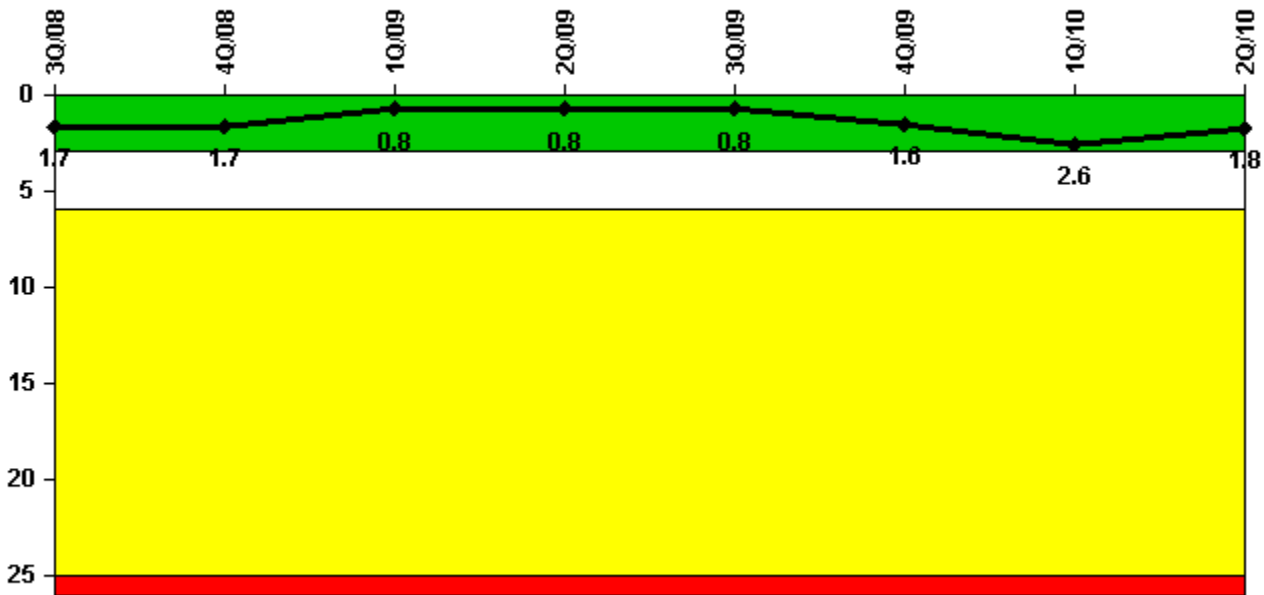


# Indian Point 2

## 2Q/2010 Performance Indicators

Licensee's General Comments: 23 EDG output breaker failed to close on demand during maintenance on March 30, 2010. As no maintenance had been performed on the breaker, the failure was determined to be an MSPI failure.

### Unplanned Scrams per 7000 Critical Hrs



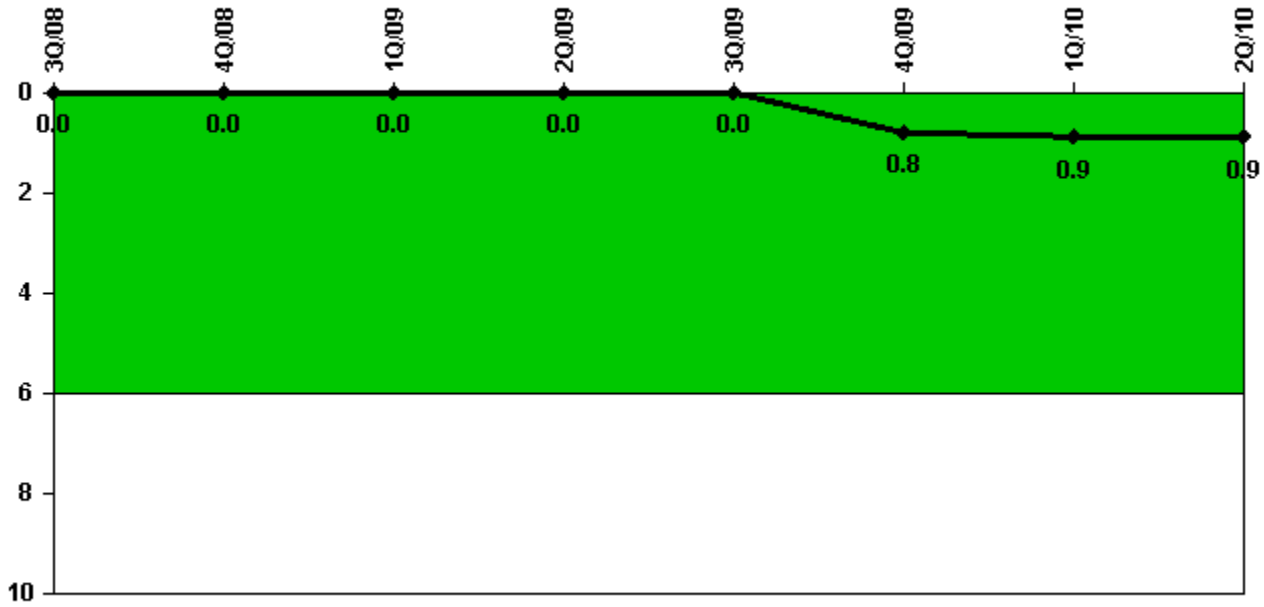
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	1.0	0	1.0	1.0	0
Critical hours	2208.0	2209.0	2159.0	2160.3	2208.0	2177.4	1614.4	1953.4
Indicator value	1.7	1.7	0.8	0.8	0.8	1.6	2.6	1.8

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	1.0	0	0
Critical hours	2208.0	2209.0	2159.0	2160.3	2208.0	2177.4	1614.4	1953.4
Indicator value	0	0	0	0	0	0.8	0.9	0.9

Licensee Comments: none

# Unplanned Scrams with Complications



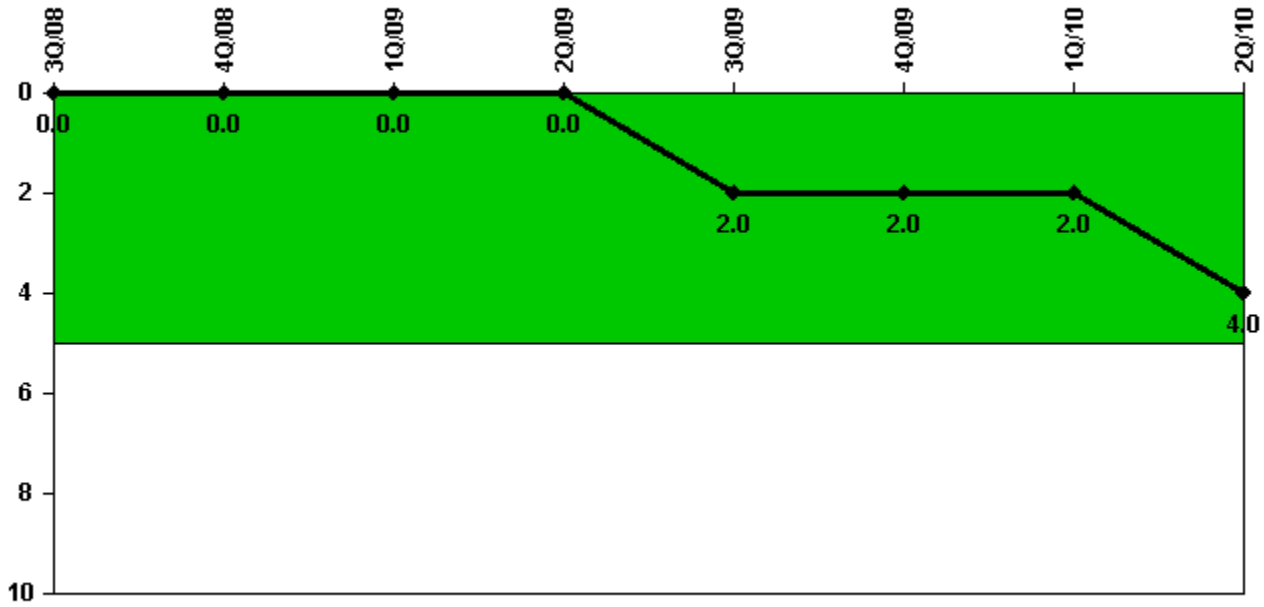
Thresholds: White > 1.0

## 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)



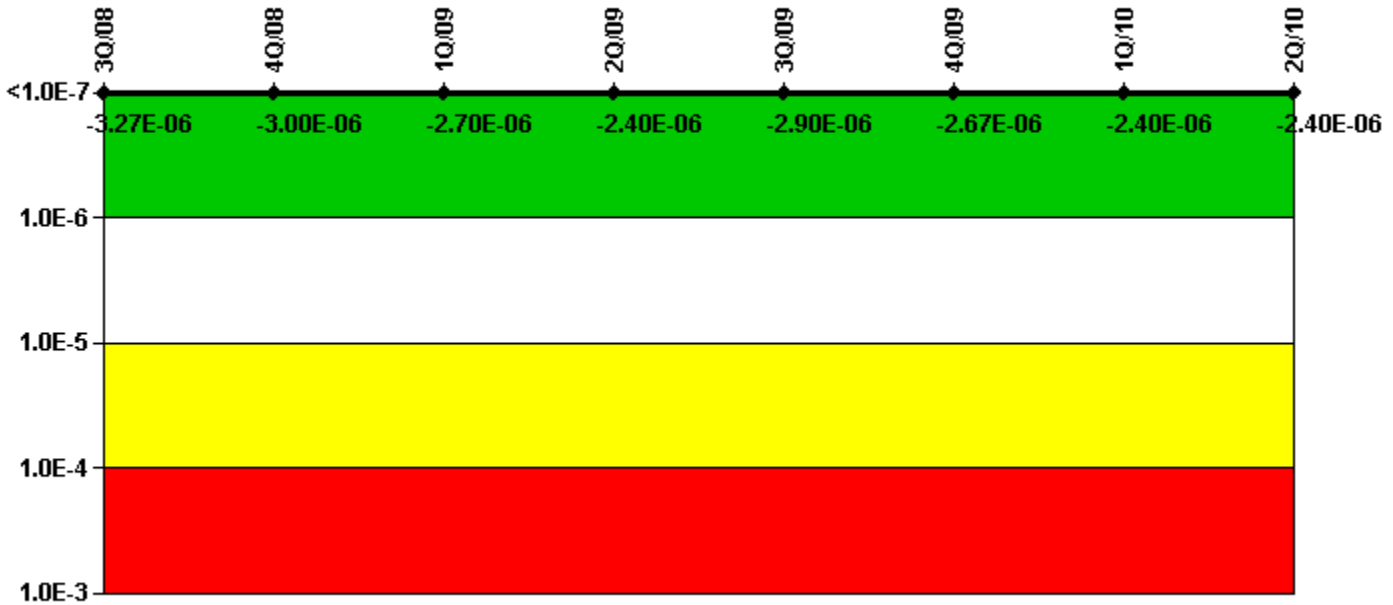
Thresholds: White > 5.0

### 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	0	0	0	0	2	0	0	2
Indicator value	0	0	0	0	2	2	2	4

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

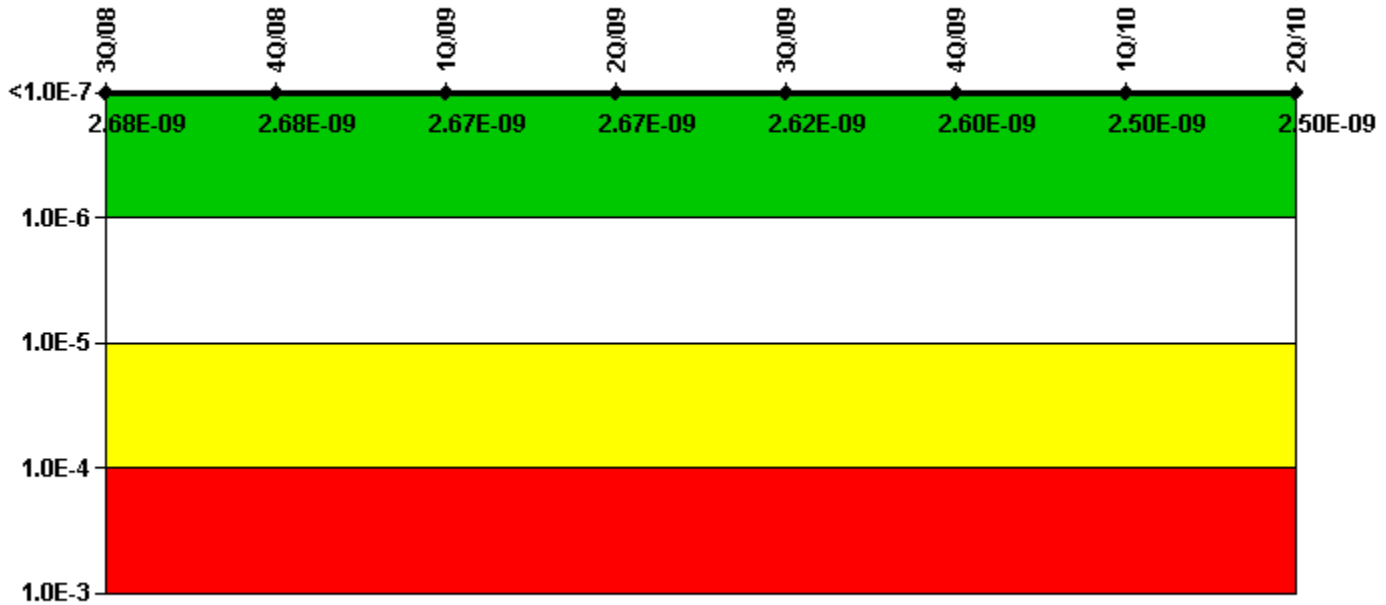
Mitigating Systems Performance Index, Emergency AC Power System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	6.30E-07	8.00E-07	1.10E-06	1.10E-06	6.00E-07	7.30E-07	7.28E-07	6.75E-07
URI ( $\Delta$ CDF)	-3.90E-06	-3.80E-06	-3.80E-06	-3.50E-06	-3.50E-06	-3.40E-06	-3.09E-06	-3.12E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.27E-06	-3.00E-06	-2.70E-06	-2.40E-06	-2.90E-06	-2.67E-06	-2.40E-06	-2.40E-06

Licensee Comments:

2Q/10: Risk Cap Invoked.

1Q/10: Risk Cap Invoked.

# Mitigating Systems Performance Index, High Pressure Injection System



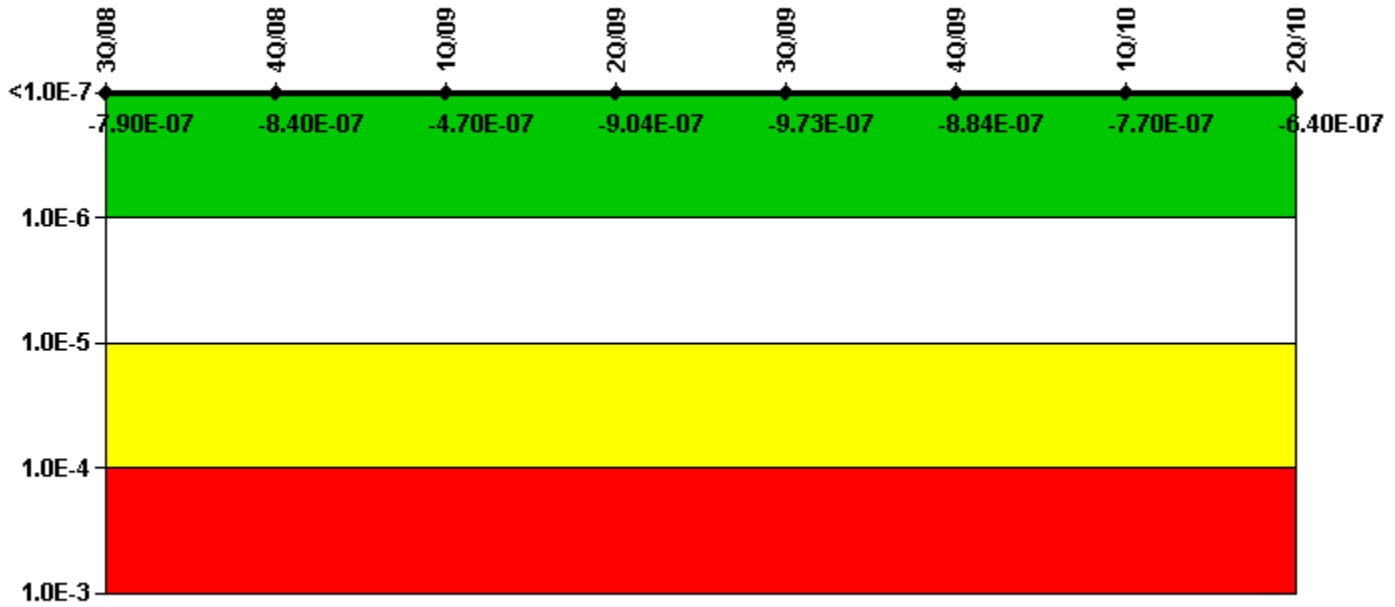
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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)	-1.20E-10	-1.20E-10	-1.30E-10	-1.30E-10	-1.80E-10	-2.00E-10	-2.00E-10	-2.03E-10
URI ( $\Delta$ CDF)	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.74E-09	2.72E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.68E-09	2.68E-09	2.67E-09	2.67E-09	2.62E-09	2.60E-09	2.50E-09	2.50E-09

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



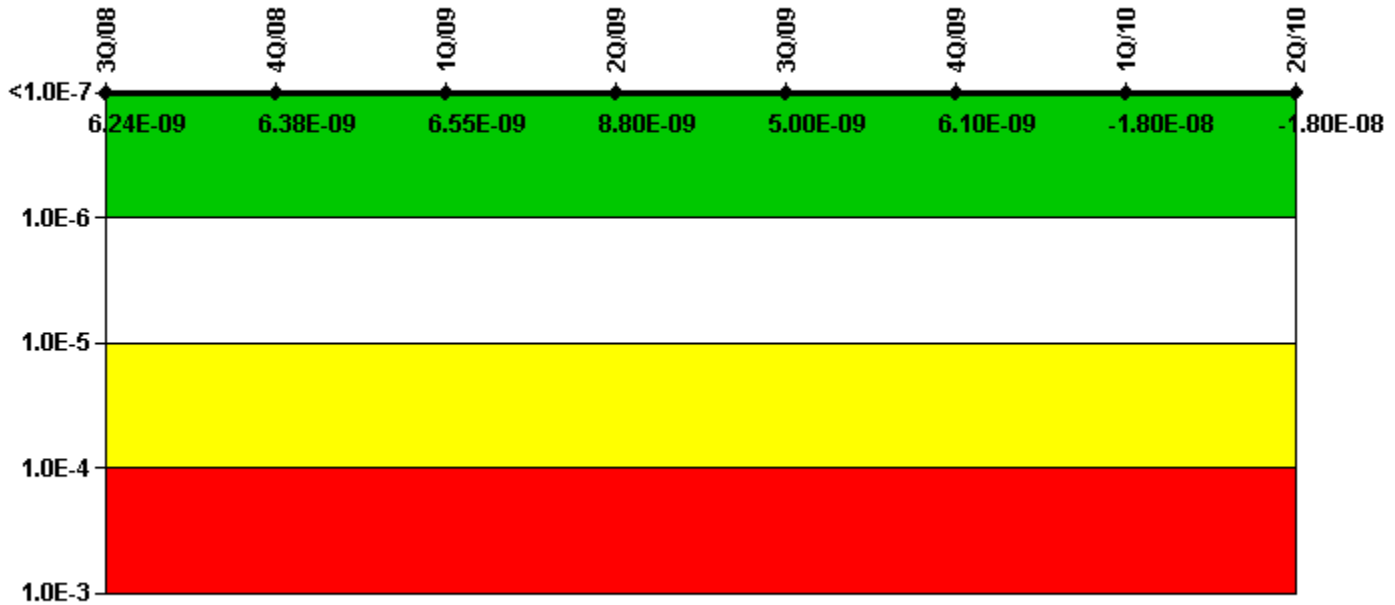
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI ( $\Delta$ CDF)	4.10E-07	3.60E-07	6.30E-07	9.60E-08	-1.30E-08	2.60E-08	1.67E-07	3.61E-07
URI ( $\Delta$ CDF)	-1.20E-06	-1.20E-06	-1.10E-06	-1.00E-06	-9.60E-07	-9.10E-07	-9.36E-07	-1.00E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.90E-07	-8.40E-07	-4.70E-07	-9.04E-07	-9.73E-07	-8.84E-07	-7.70E-07	-6.40E-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

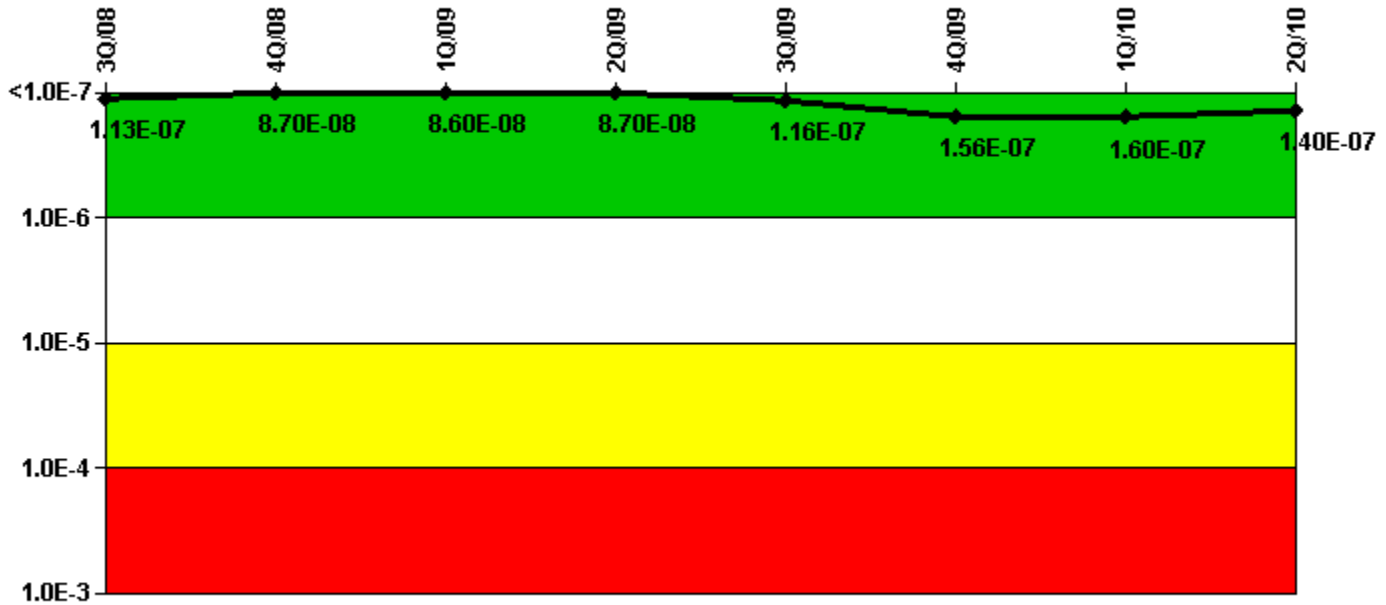
## Notes

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)	-9.60E-10	-9.20E-10	-9.50E-10	-1.20E-09	-6.00E-09	-5.90E-09	-5.84E-09	-5.77E-09
URI ( $\Delta$ CDF)	7.20E-09	7.30E-09	7.50E-09	1.00E-08	1.10E-08	1.20E-08	-1.19E-08	-1.27E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.24E-09	6.38E-09	6.55E-09	8.80E-09	5.00E-09	6.10E-09	-1.80E-08	-1.80E-08

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



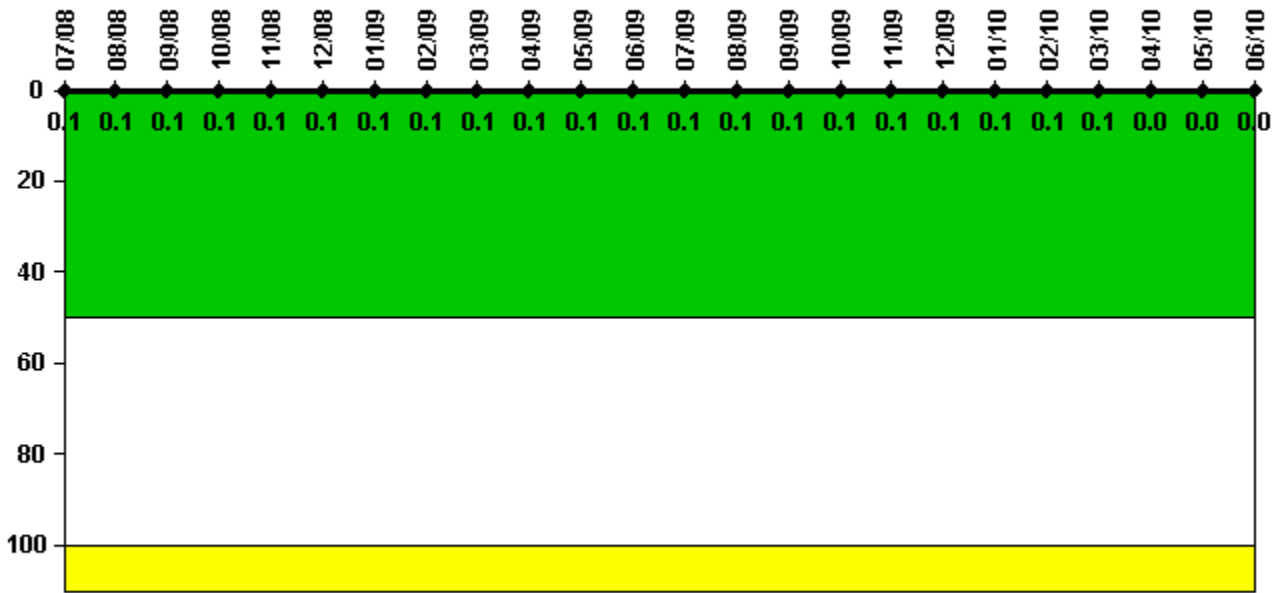
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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)	4.20E-08	1.60E-08	1.50E-08	1.40E-08	1.60E-08	5.70E-08	5.96E-08	7.47E-08
URI ( $\Delta$ CDF)	7.10E-08	7.10E-08	7.10E-08	7.30E-08	1.00E-07	9.90E-08	9.87E-08	6.63E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.13E-07	8.70E-08	8.60E-08	8.70E-08	1.16E-07	1.56E-07	1.60E-07	1.40E-07

Licensee Comments: none

# Reactor Coolant System Activity



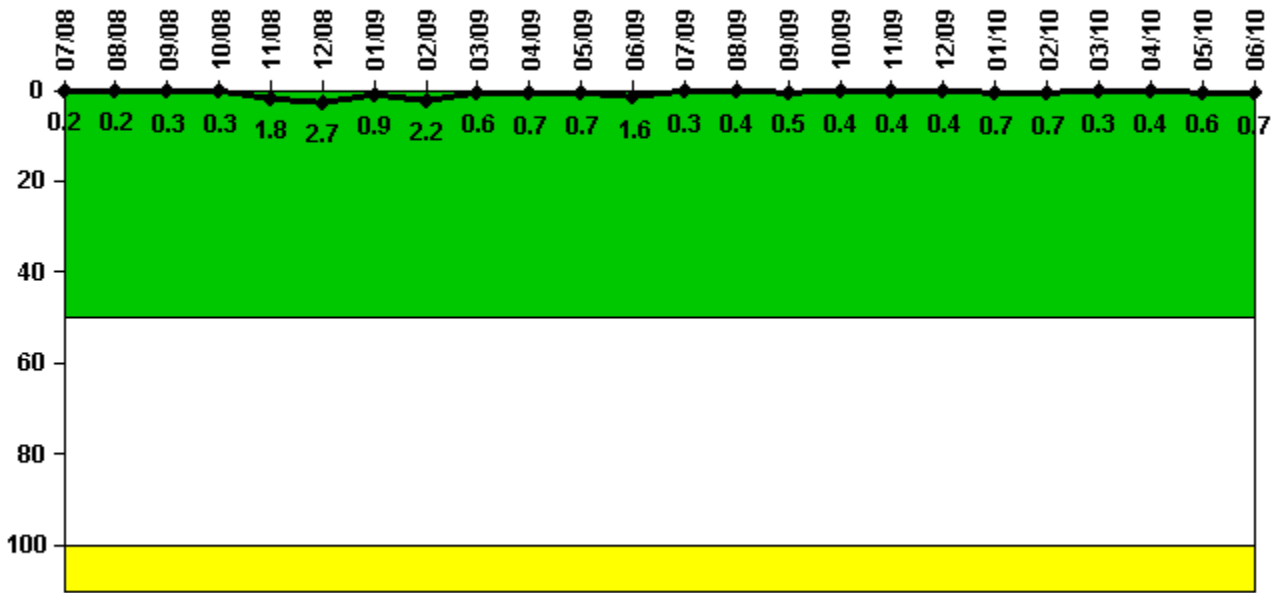
Thresholds: White > 50.0 Yellow > 100.0

## 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	0.000595	0.000579	0.000614	0.000667	0.000608	0.000647	0.000627	0.000653	0.000690	0.000740	0.000733	0.000725
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	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	0.000809	0.000816	0.000795	0.000839	0.000789	0.000918	0.000882	0.000897	0.000936	0.000342	0.000268	0.000286
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	0	0

Licensee Comments: none

## Reactor Coolant System Leakage



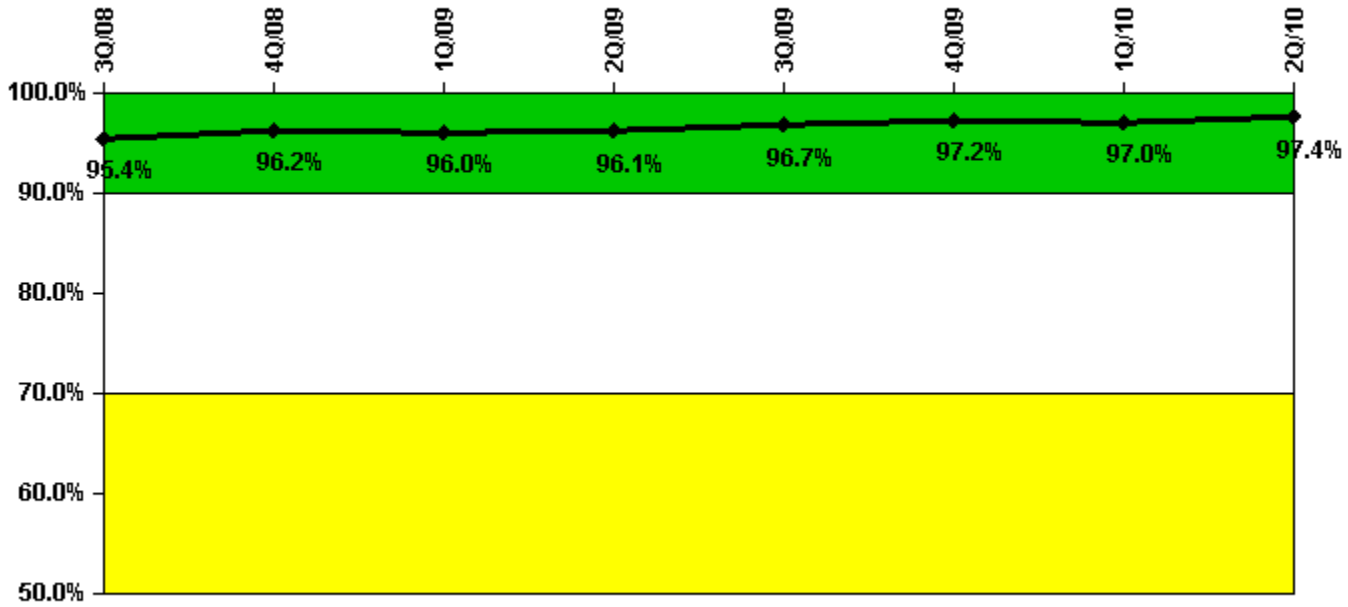
Thresholds: White > 50.0 Yellow > 100.0

### 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	0.020	0.020	0.030	0.030	0.180	0.270	0.090	0.220	0.060	0.070	0.070	0.160
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	0.2	0.3	0.3	1.8	2.7	0.9	2.2	0.6	0.7	0.7	1.6
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	0.030	0.040	0.050	0.040	0.040	0.040	0.070	0.070	0.030	0.040	0.060	0.070
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	0.3	0.4	0.5	0.4	0.4	0.4	0.7	0.7	0.3	0.4	0.6	0.7

Licensee Comments: none

## Drill/Exercise Performance



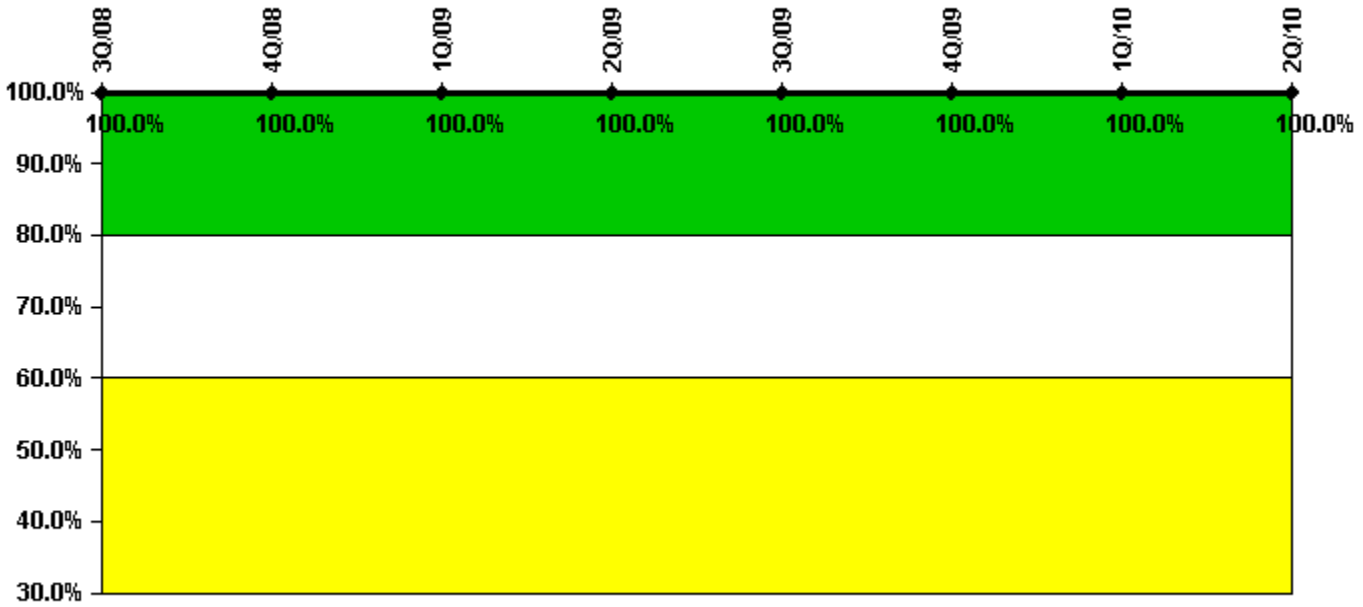
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful opportunities	90.0	74.0	22.0	38.0	95.0	62.0	17.0	46.0
Total opportunities	92.0	76.0	24.0	38.0	96.0	64.0	18.0	48.0
Indicator value	95.4%	96.2%	96.0%	96.1%	96.7%	97.2%	97.0%	97.4%

Licensee Comments: none

# ERO Drill Participation



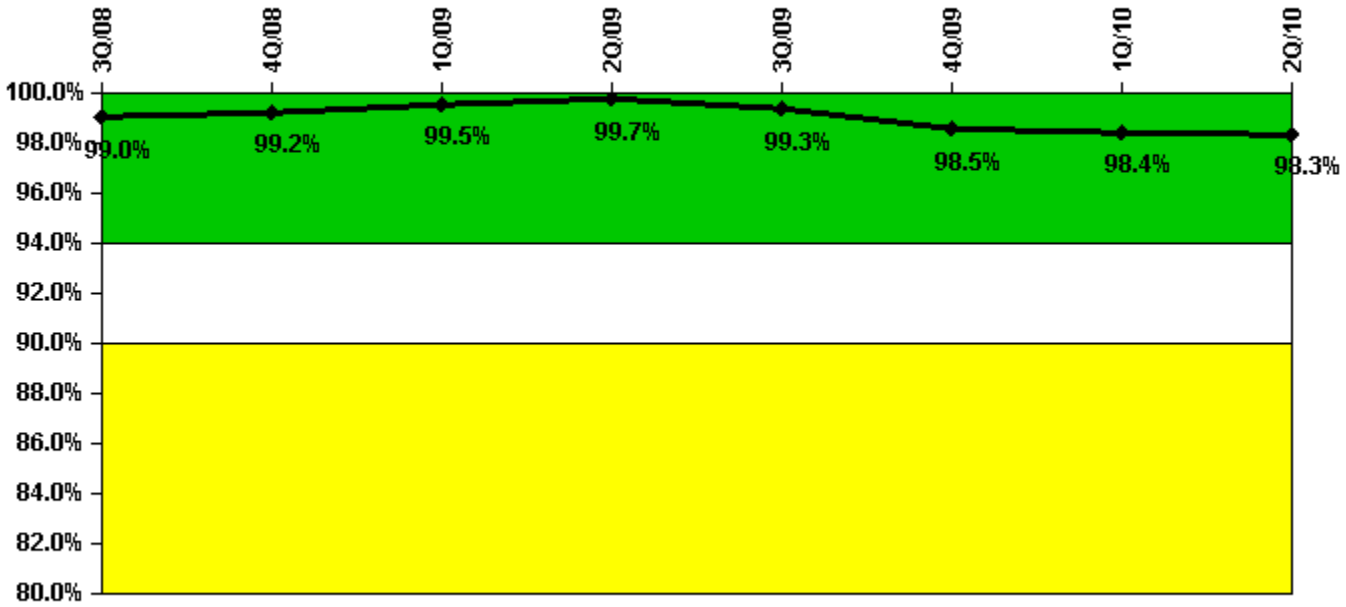
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

ERO Drill Participation	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Participating Key personnel	94.0	93.0	94.0	98.0	100.0	103.0	108.0	113.0
Total Key personnel	94.0	93.0	94.0	98.0	100.0	103.0	108.0	113.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

# Alert & Notification System



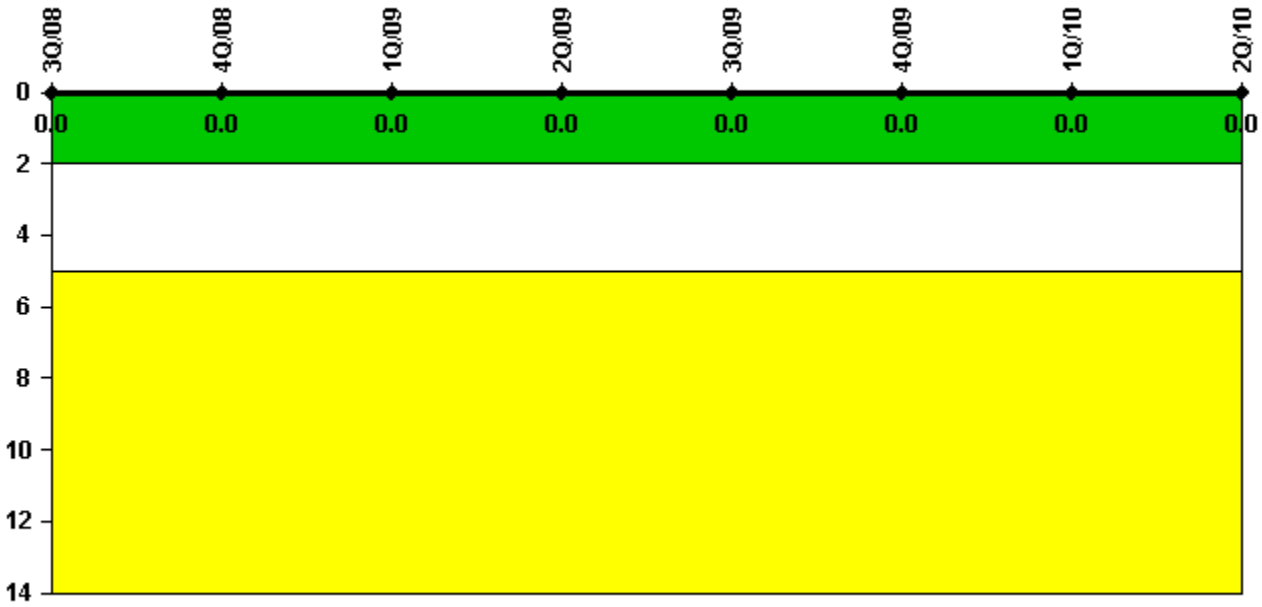
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful siren-tests	486	1220	1156	1200	1159	1121	1014	878
Total sirens-tests	488	1225	1158	1204	1181	1163	1018	881
Indicator value	99.0%	99.2%	99.5%	99.7%	99.3%	98.5%	98.4%	98.3%

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.