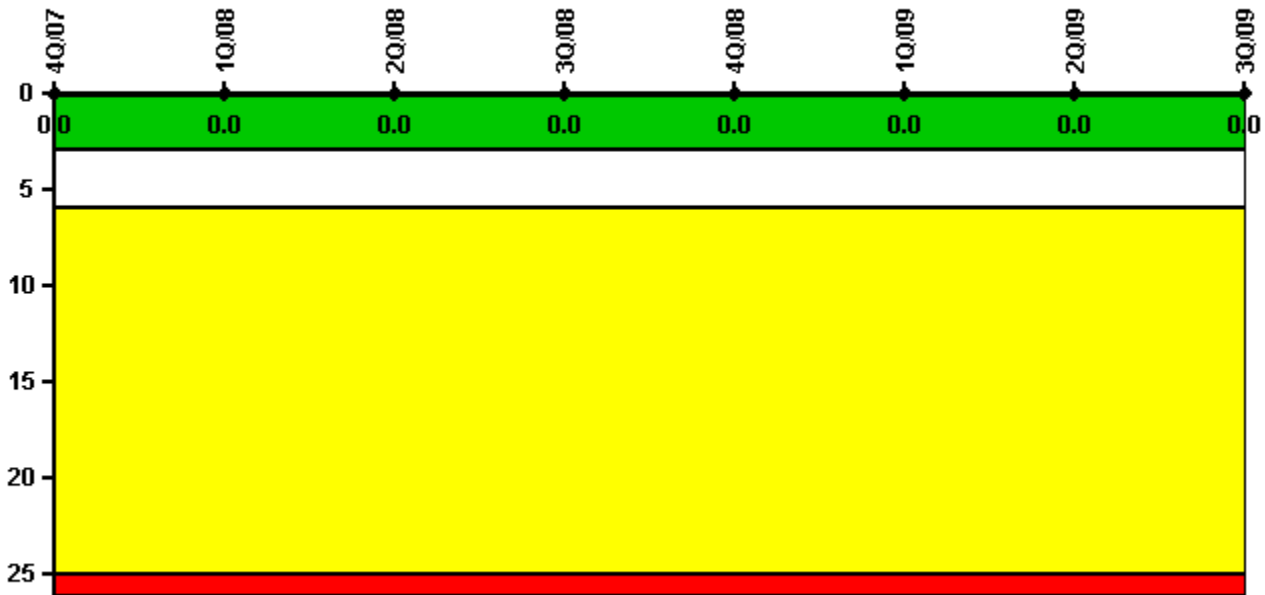


Surry 2

3Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



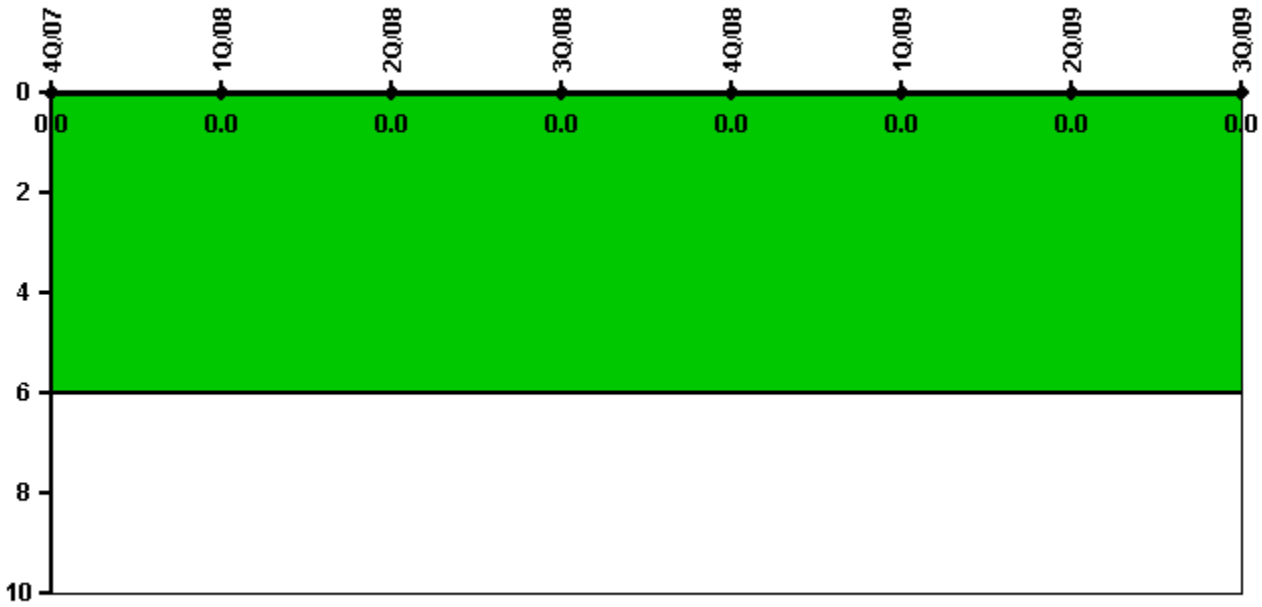
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	0	0
Critical hours	2209.0	2183.0	1622.6	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0
Critical hours	2209.0	2183.0	1622.6	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



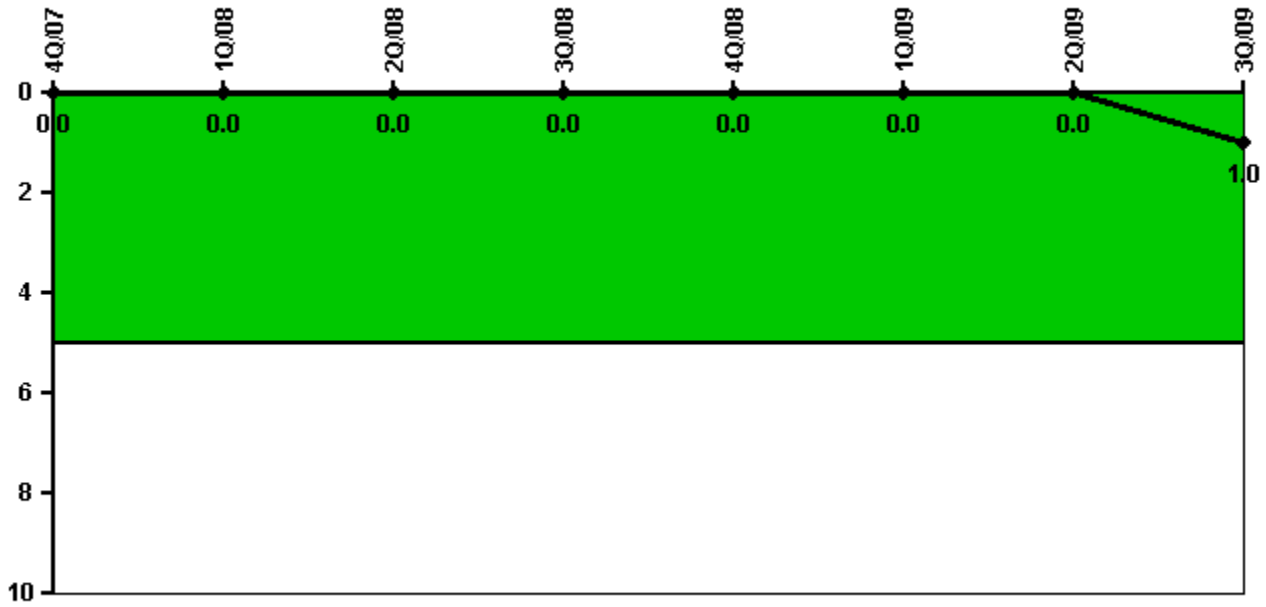
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	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

Safety System Functional Failures (PWR)



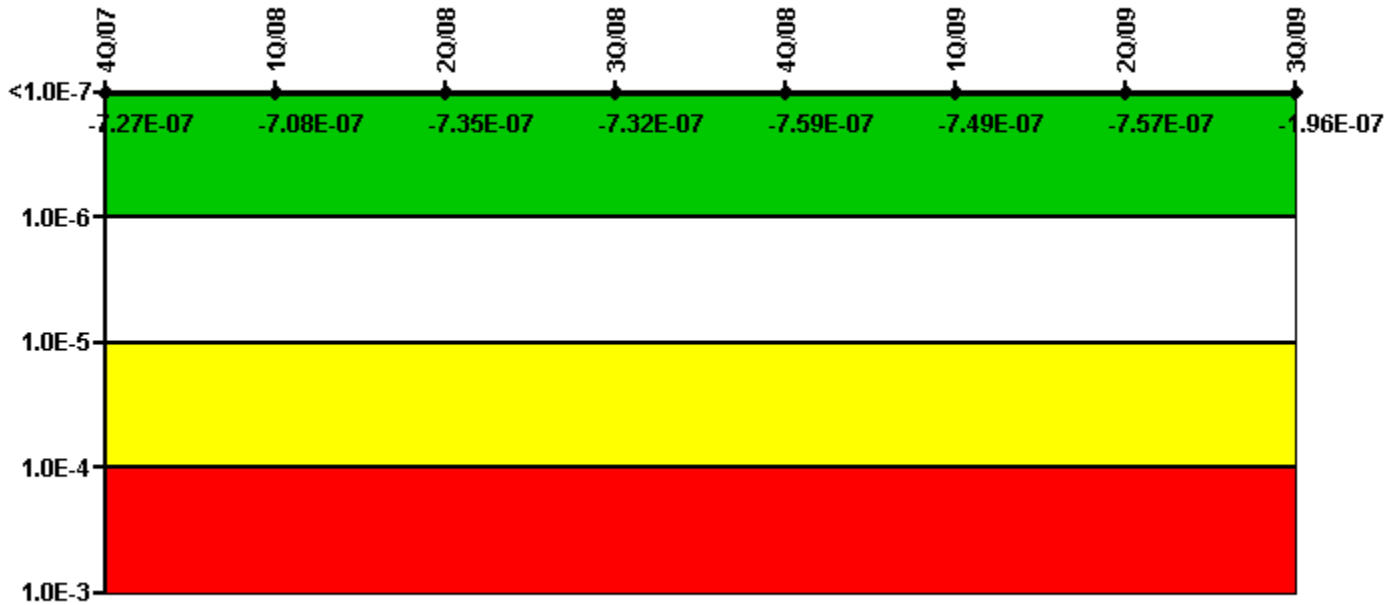
Thresholds: White > 5.0

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	1
Indicator value	0	0	0	0	0	0	0	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

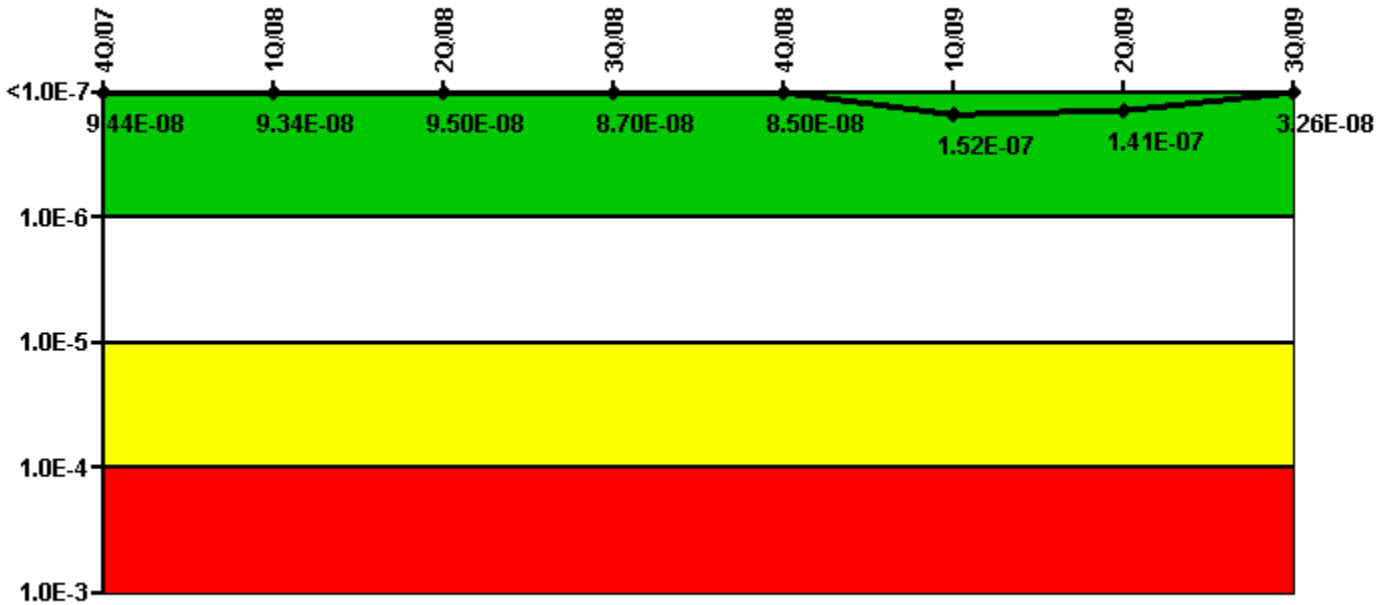
Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	3.30E-08	6.20E-08	4.50E-08	4.80E-08	3.10E-08	3.10E-08	2.30E-08	3.80E-09
URI (Δ CDF)	-7.60E-07	-7.70E-07	-7.80E-07	-7.80E-07	-7.90E-07	-7.80E-07	-7.80E-07	-2.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.27E-07	-7.08E-07	-7.35E-07	-7.32E-07	-7.59E-07	-7.49E-07	-7.57E-07	-1.96E-07

Licensee Comments:

3Q/09: Changed PRA Parameter(s). PRA parameters were updated to reflect plant changes and PRA model improvements.

Mitigating Systems Performance Index, High Pressure Injection System



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

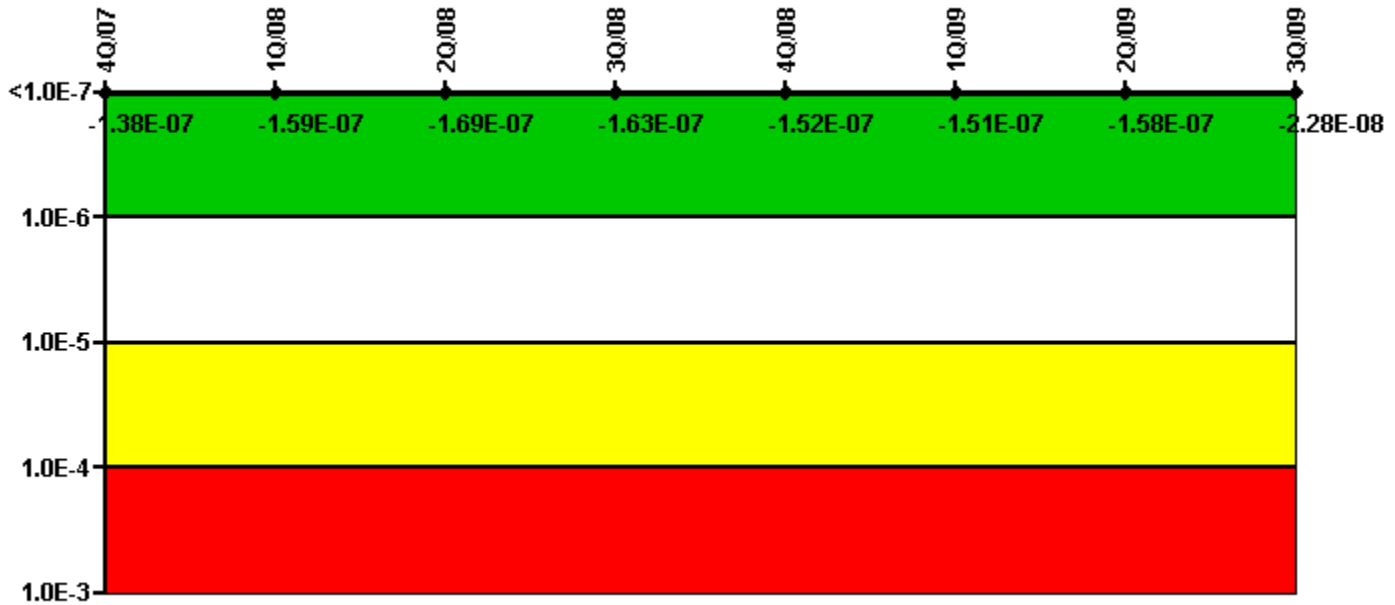
Notes

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 (Δ CDF)	7.40E-09	7.40E-09	1.30E-08	1.30E-08	1.20E-08	1.20E-08	1.10E-08	2.60E-09
URI (Δ CDF)	8.70E-08	8.60E-08	8.20E-08	7.40E-08	7.30E-08	1.40E-07	1.30E-07	3.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	9.44E-08	9.34E-08	9.50E-08	8.70E-08	8.50E-08	1.52E-07	1.41E-07	3.26E-08

Licensee Comments:

3Q/09: Changed PRA Parameter(s). PRA parameters were updated to reflect plant changes and PRA model improvements.

Mitigating Systems Performance Index, Heat Removal System



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

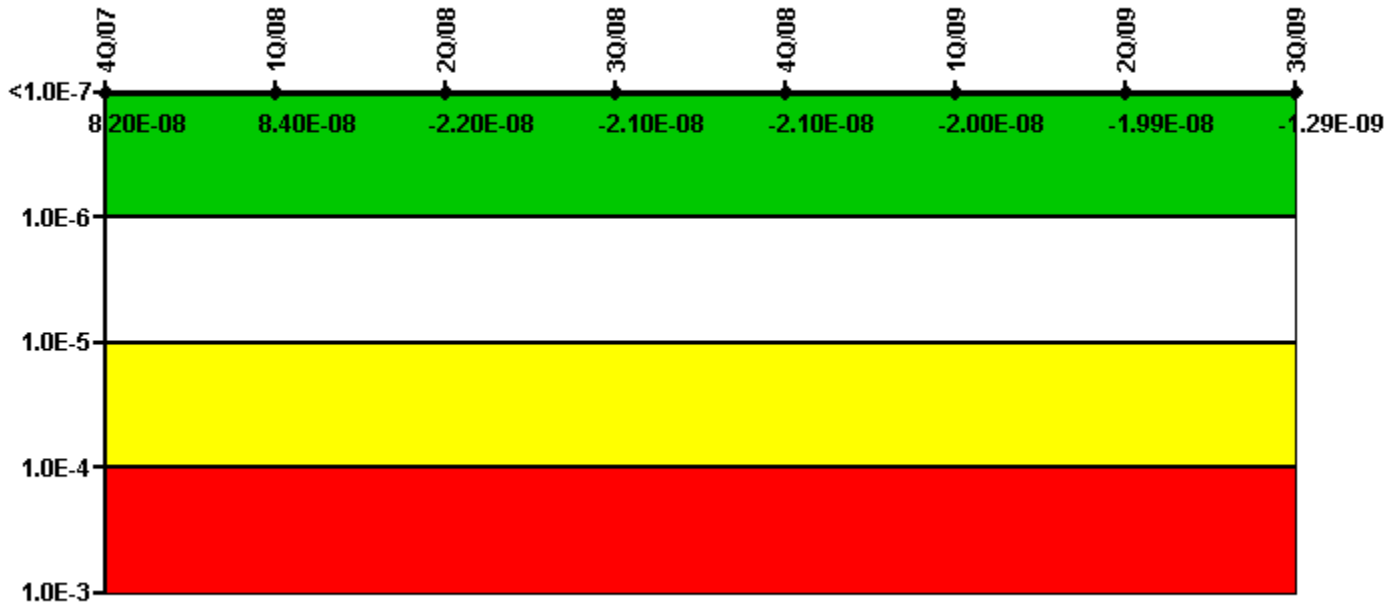
Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	-2.80E-08	-4.90E-08	-4.90E-08	-4.30E-08	-3.20E-08	-3.10E-08	-2.80E-08	-3.80E-09
URI (Δ CDF)	-1.10E-07	-1.10E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.30E-07	-1.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.38E-07	-1.59E-07	-1.69E-07	-1.63E-07	-1.52E-07	-1.51E-07	-1.58E-07	-2.28E-08

Licensee Comments:

3Q/09: Changed PRA Parameter(s). PRA parameters were updated to reflect plant changes and PRA model improvements.

Mitigating Systems Performance Index, Residual Heat Removal System



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

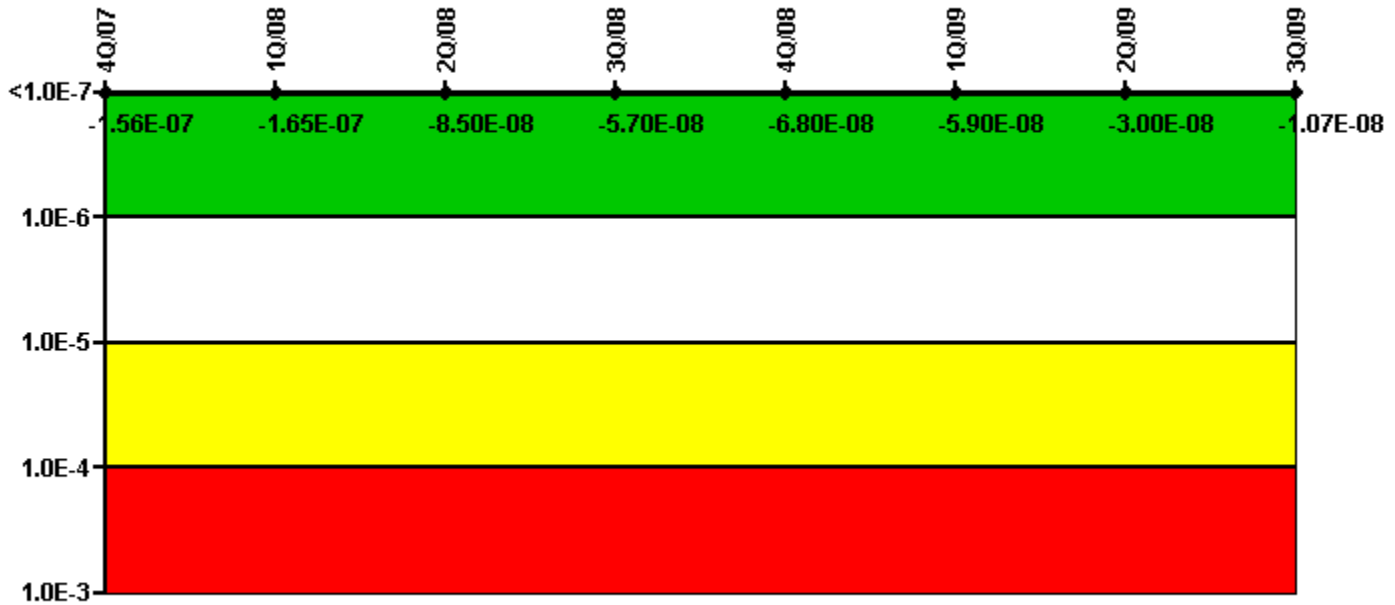
Notes

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 (Δ CDF)	-5.00E-09	-5.00E-09	-5.00E-09	-5.00E-09	-5.00E-09	-5.00E-09	-4.90E-09	-2.90E-10
URI (Δ CDF)	8.70E-08	8.90E-08	-1.70E-08	-1.60E-08	-1.60E-08	-1.50E-08	-1.50E-08	-1.00E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.20E-08	8.40E-08	-2.20E-08	-2.10E-08	-2.10E-08	-2.00E-08	-1.99E-08	-1.29E-09

Licensee Comments:

3Q/09: Changed PRA Parameter(s). PRA parameters were updated to reflect plant changes and PRA model improvements.

Mitigating Systems Performance Index, Cooling Water Systems



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

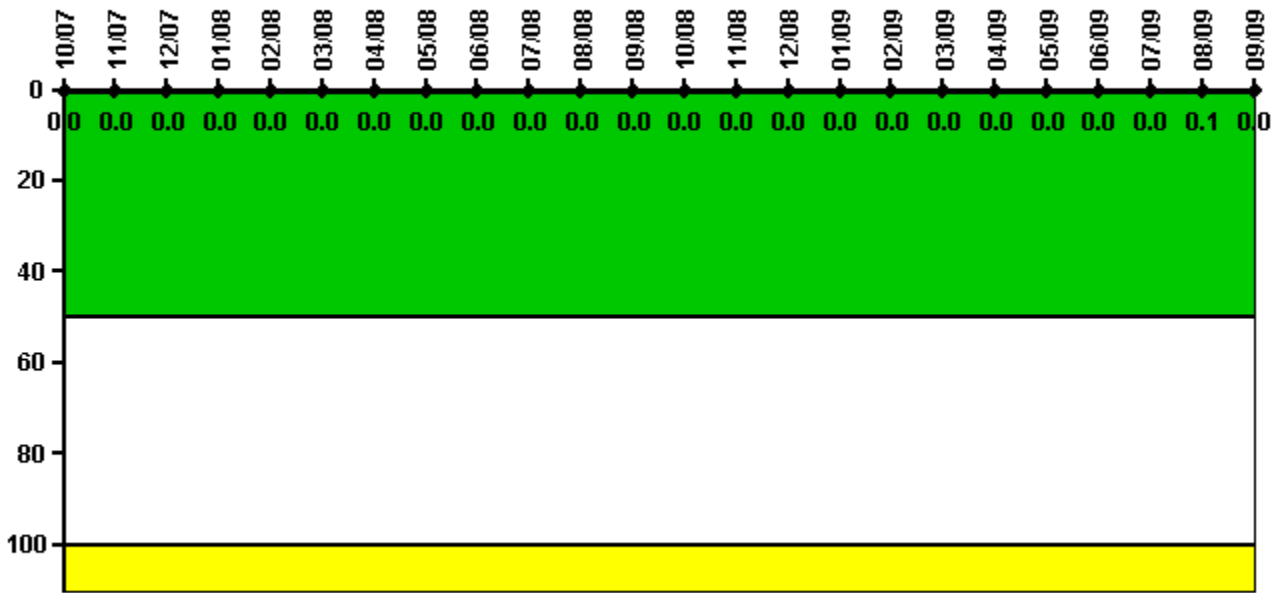
Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	-5.90E-09	-1.50E-08	6.50E-08	9.30E-08	8.20E-08	9.10E-08	1.20E-07	9.30E-09
URI (Δ CDF)	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-2.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.56E-07	-1.65E-07	-8.50E-08	-5.70E-08	-6.80E-08	-5.90E-08	-3.00E-08	-1.07E-08

Licensee Comments:

3Q/09: Changed PRA Parameter(s). PRA parameters were updated to reflect plant changes and PRA model improvements.

Reactor Coolant System Activity



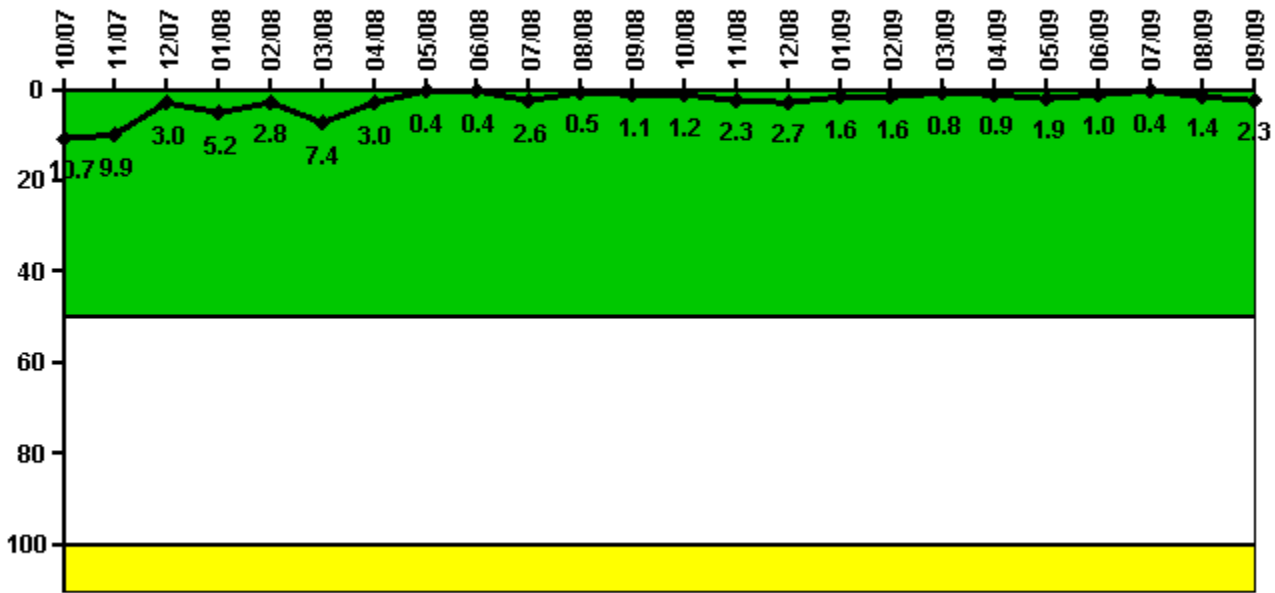
Thresholds: White > 50.0 Yellow > 100.0

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	0.000351	0.000345	0.000397	0.000388	0.000338	0.000415	0.000372	0.000232	0.000330	0.000199	0.000198	0.000168
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	0.000192	0.000197	0.000226	0.000237	0.000229	0.000239	0.000256	0.000234	0.000237	0.000327	0.000572	0.000318
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	0.1	0

Licensee Comments: none

Reactor Coolant System Leakage



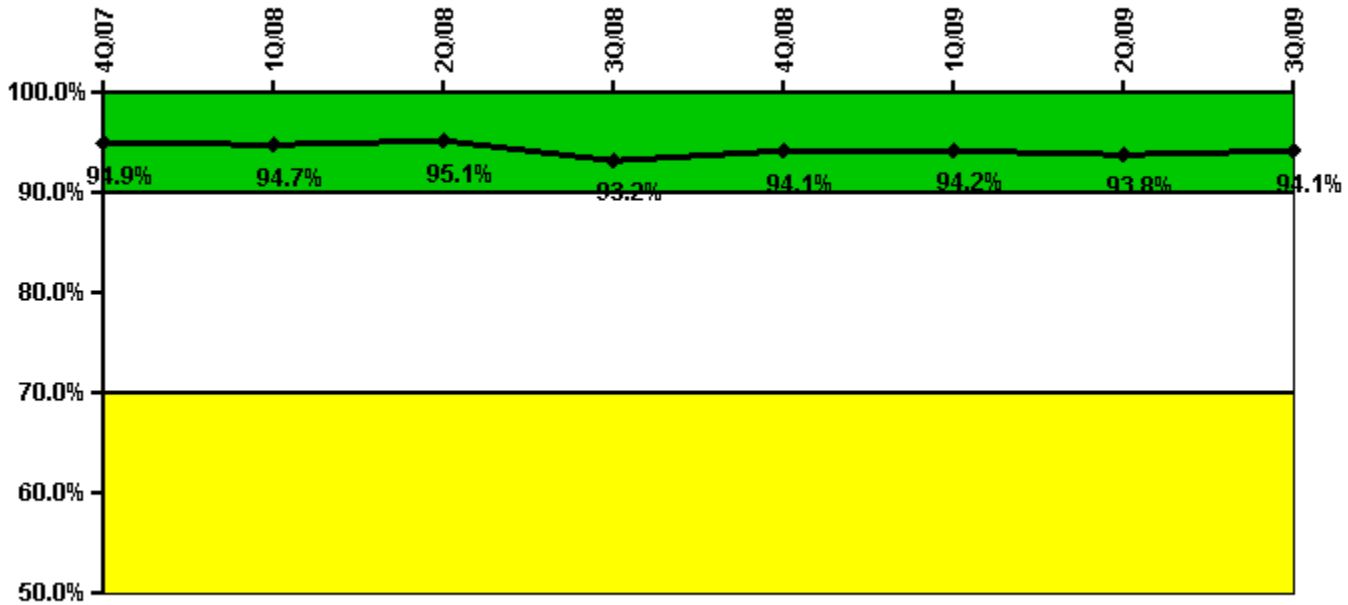
Thresholds: White > 50.0 Yellow > 100.0

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	1.070	0.990	0.300	0.520	0.280	0.740	0.300	0.040	0.040	0.260	0.050	0.110
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	10.7	9.9	3.0	5.2	2.8	7.4	3.0	0.4	0.4	2.6	0.5	1.1
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	0.120	0.230	0.270	0.160	0.160	0.080	0.090	0.190	0.100	0.040	0.140	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	1.2	2.3	2.7	1.6	1.6	0.8	0.9	1.9	1.0	0.4	1.4	2.3

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

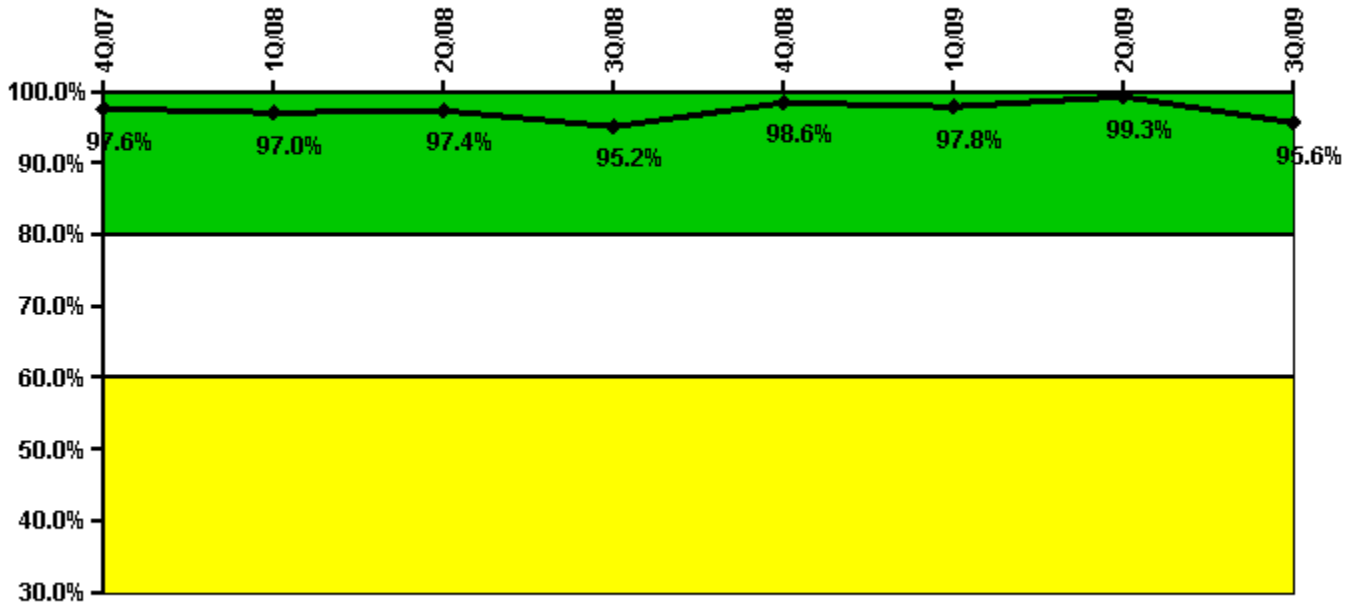
Notes

Drill/Exercise Performance	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful opportunities	24.0	43.0	41.0	37.0	20.0	36.0	36.0	20.0
Total opportunities	24.0	45.0	42.0	43.0	21.0	38.0	39.0	21.0
Indicator value	94.9%	94.7%	95.1%	93.2%	94.1%	94.2%	93.8%	94.1%

Licensee Comments:

3Q/09: An assessment revealed one drill opportunity was not accounted for in May 2009. Historical data was corrected with no change in color.

ERO Drill Participation



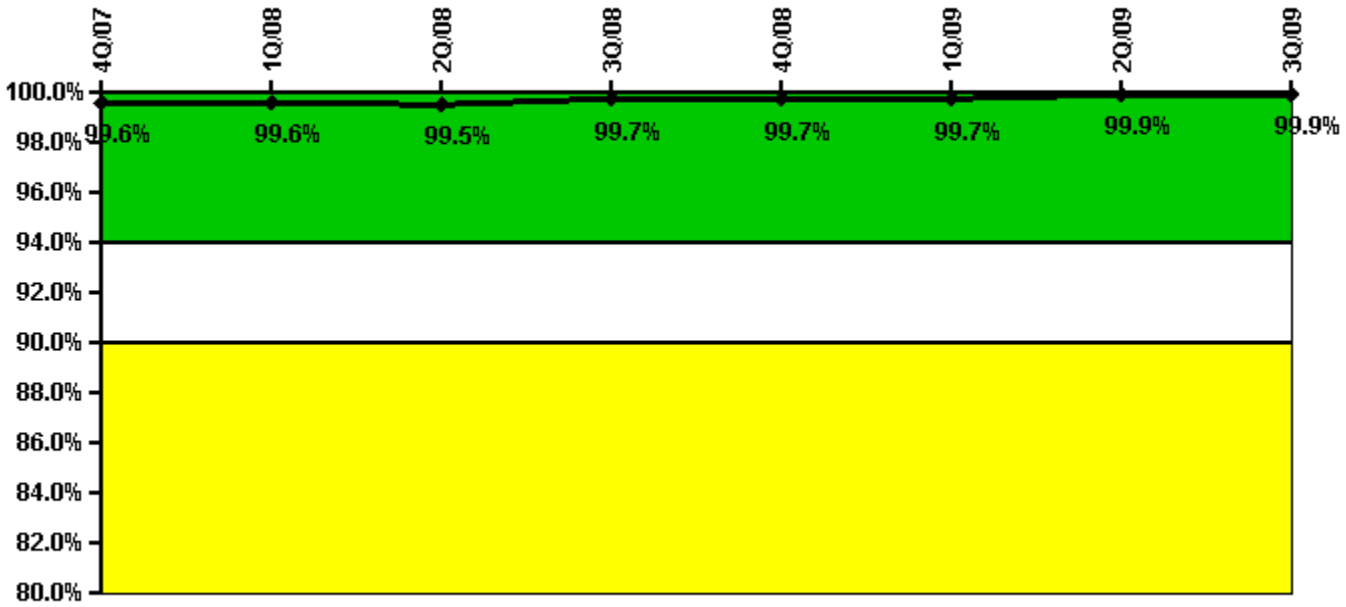
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Participating Key personnel	160.0	128.0	149.0	138.0	144.0	133.0	136.0	130.0
Total Key personnel	164.0	132.0	153.0	145.0	146.0	136.0	137.0	136.0
Indicator value	97.6%	97.0%	97.4%	95.2%	98.6%	97.8%	99.3%	95.6%

Licensee Comments: none

Alert & Notification System



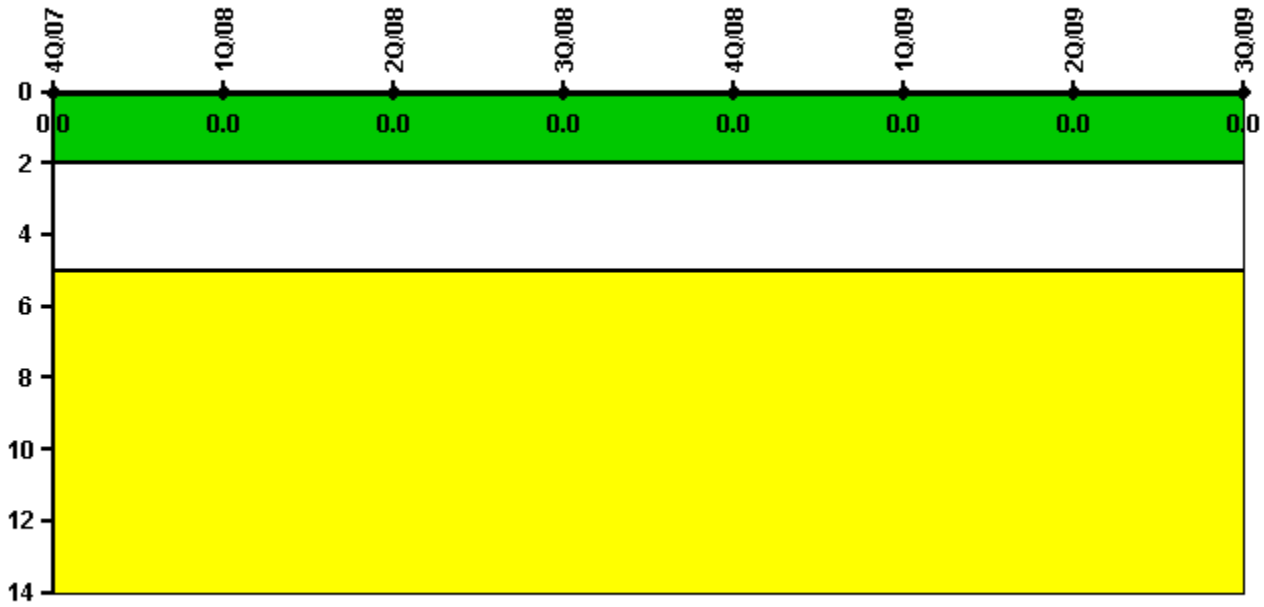
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful siren-tests	476	543	472	475	544	476	475	543
Total sirens-tests	476	544	476	476	544	476	476	544
Indicator value	99.6%	99.6%	99.5%	99.7%	99.7%	99.7%	99.9%	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	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	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.