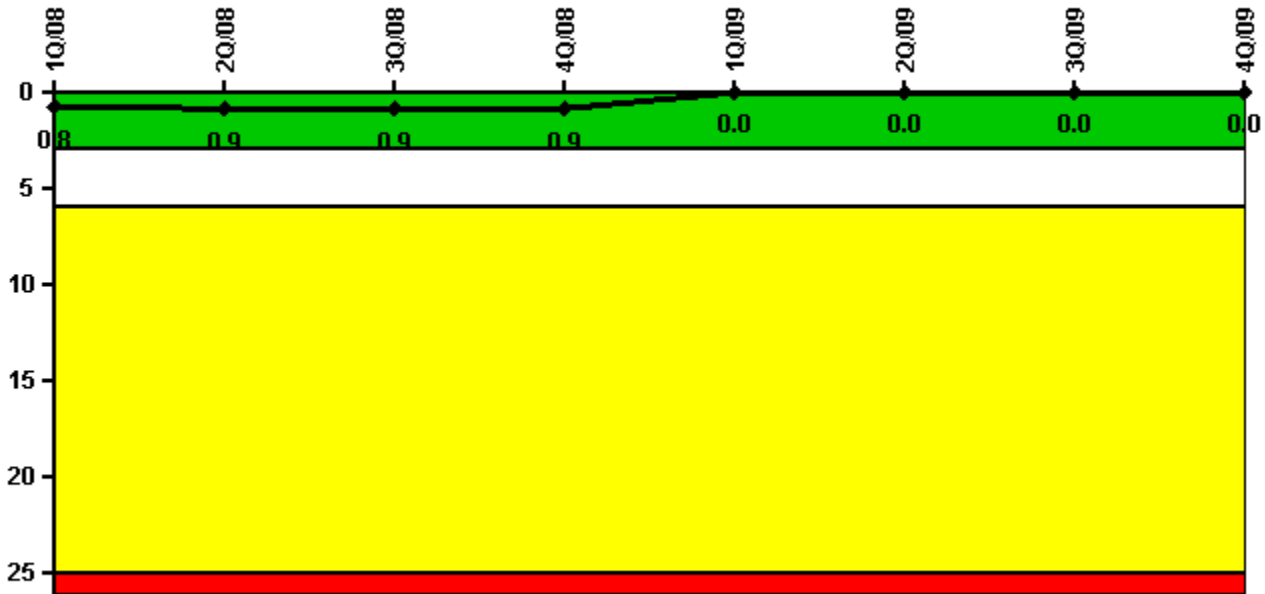


Seabrook 1

4Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



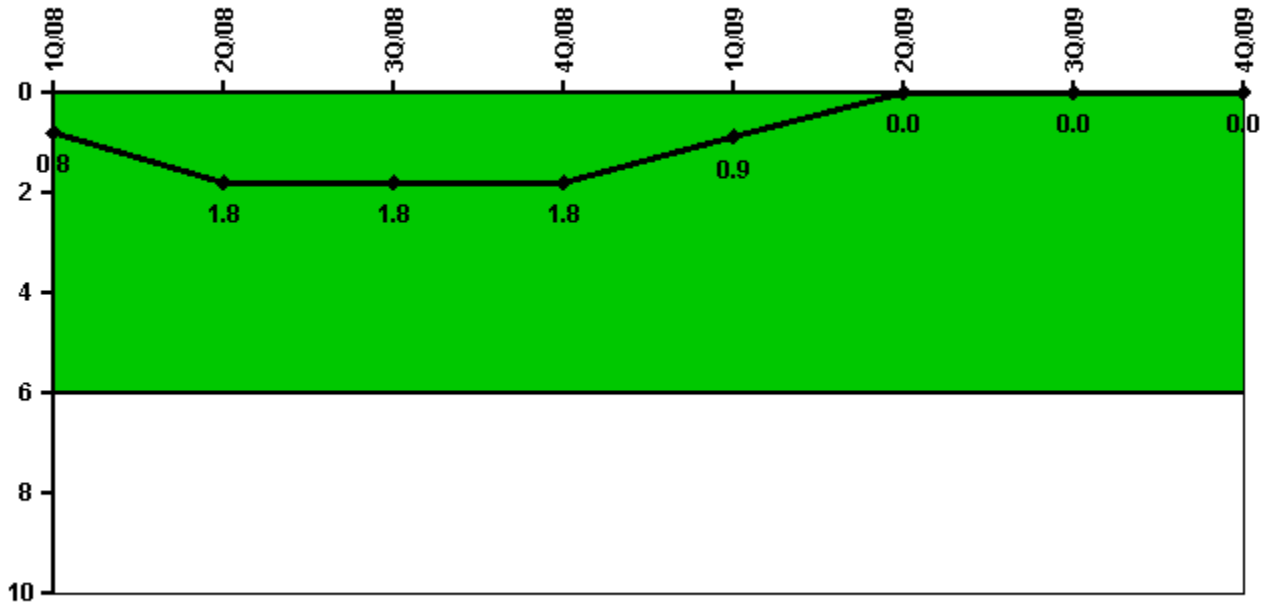
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	1914.0	1305.4	2208.0	2209.0	2159.0	2184.0	2208.0	1028.9
Indicator value	0.8	0.9	0.9	0.9	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	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned power changes	1.0	1.0	0	0	0	0	0	0
Critical hours	1914.0	1305.4	2208.0	2209.0	2159.0	2184.0	2208.0	1028.9
Indicator value	0.8	1.8	1.8	1.8	0.9	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



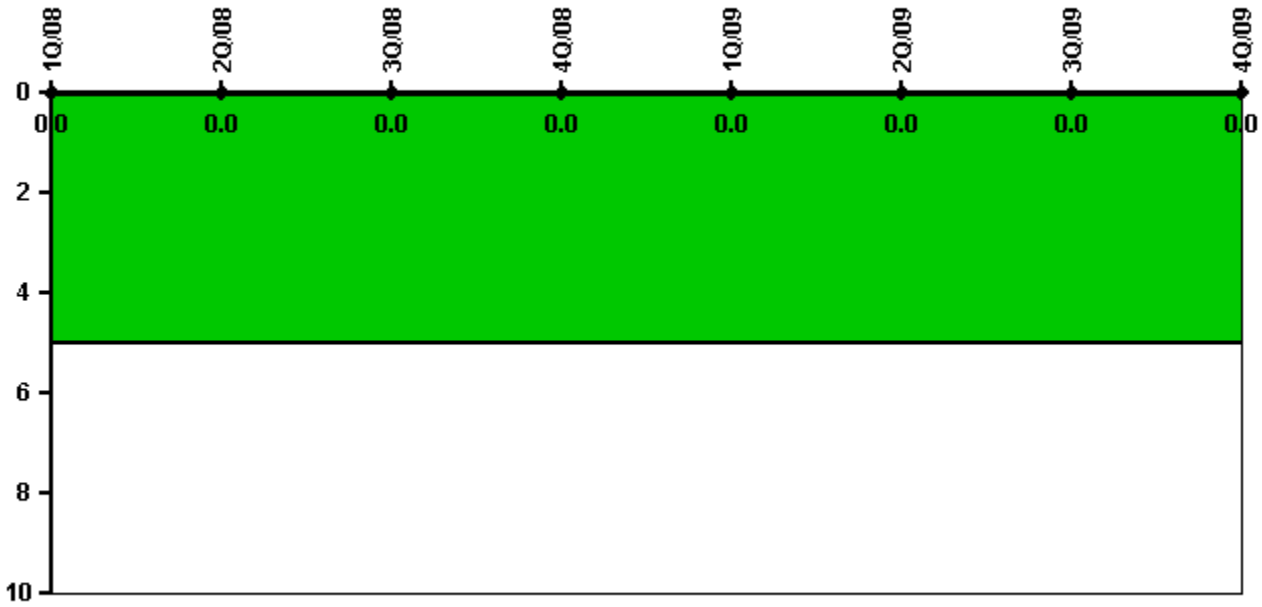
Thresholds: White > 1.0

Notes

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



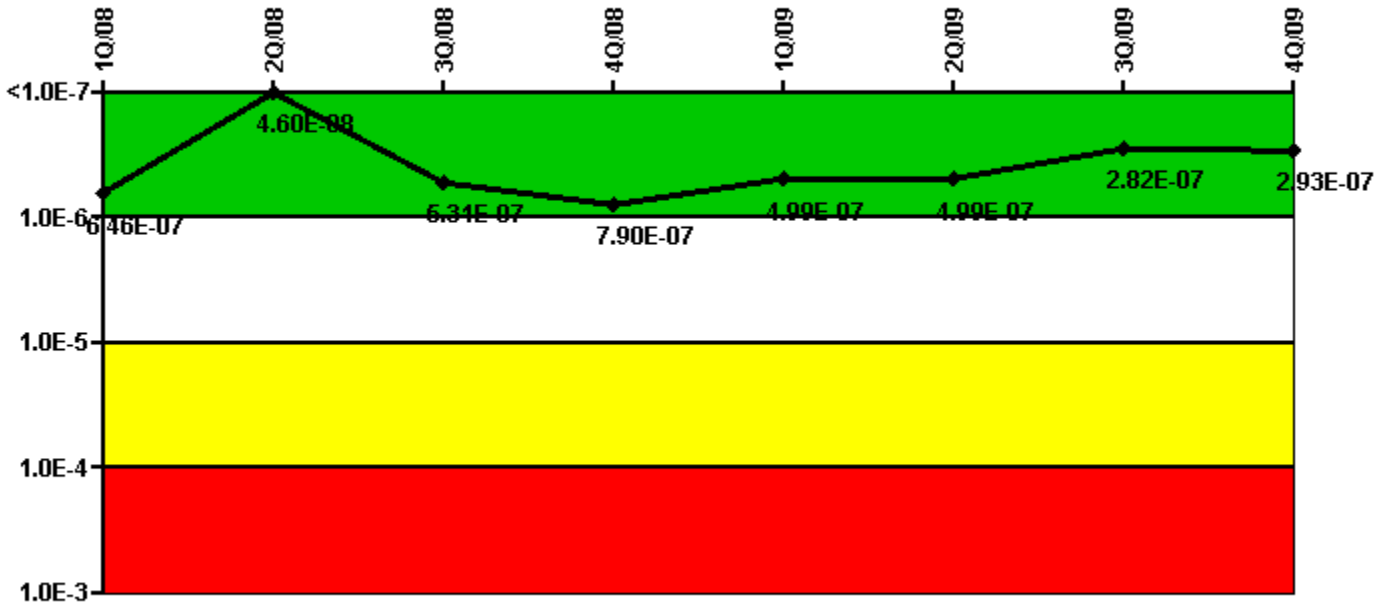
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/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

Mitigating Systems Performance Index, Emergency AC Power System



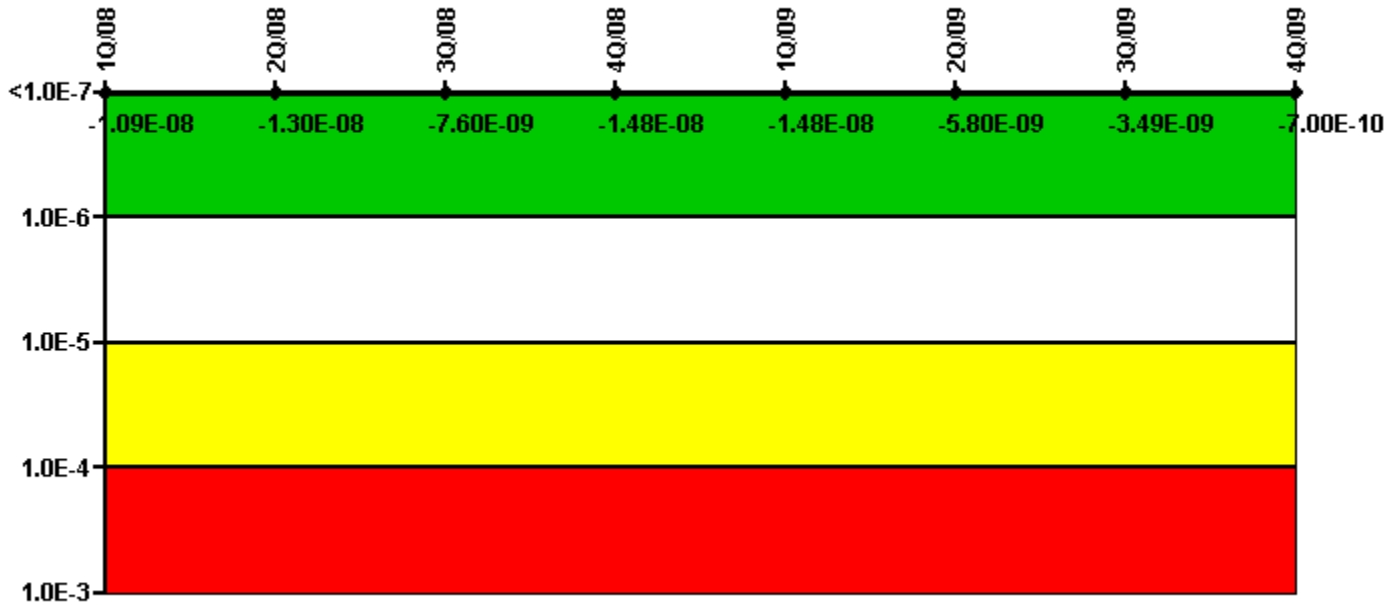
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	-7.40E-08	-7.40E-08	-5.90E-08	-7.00E-08	9.00E-09	9.00E-09	2.40E-09	2.90E-09
URI (Δ CDF)	7.20E-07	1.20E-07	5.90E-07	8.60E-07	4.90E-07	4.90E-07	2.80E-07	2.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.46E-07	4.60E-08	5.31E-07	7.90E-07	4.99E-07	4.99E-07	2.82E-07	2.93E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



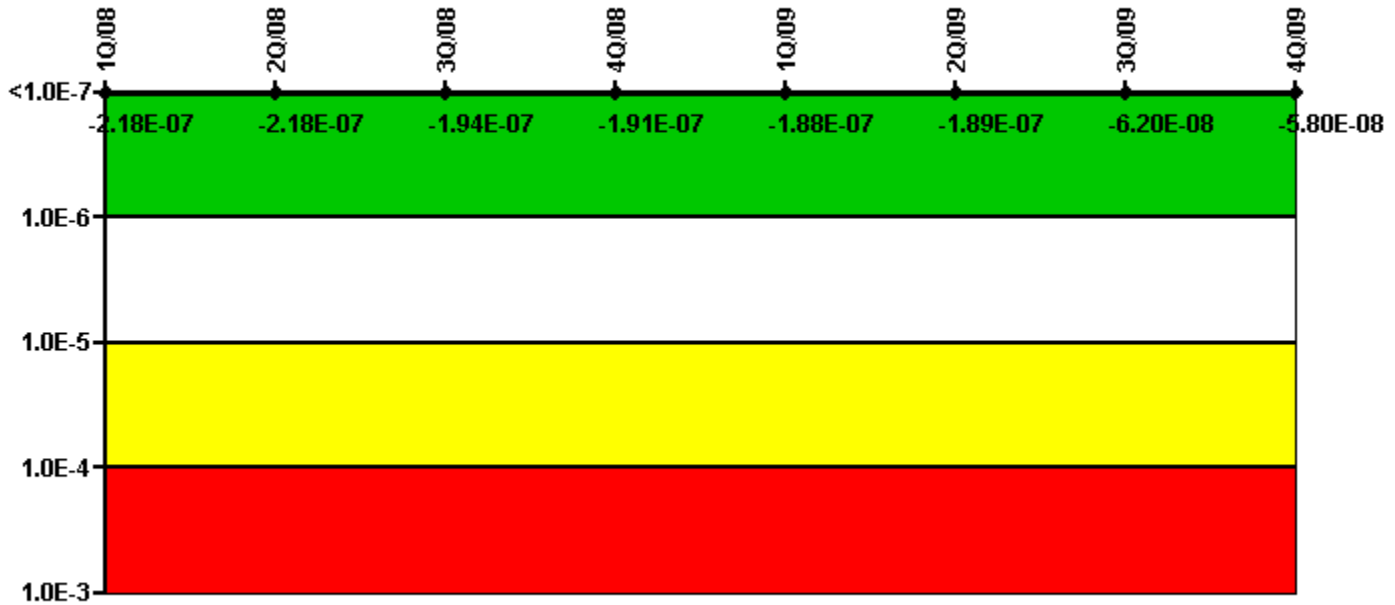
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	-1.90E-09	-4.20E-09	1.10E-09	-6.00E-09	-6.00E-09	3.10E-09	1.10E-10	3.20E-09
URI (Δ CDF)	-9.00E-09	-8.80E-09	-8.70E-09	-8.80E-09	-8.80E-09	-8.90E-09	-3.60E-09	-3.90E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.09E-08	-1.30E-08	-7.60E-09	-1.48E-08	-1.48E-08	-5.80E-09	-3.49E-09	-7.00E-10

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



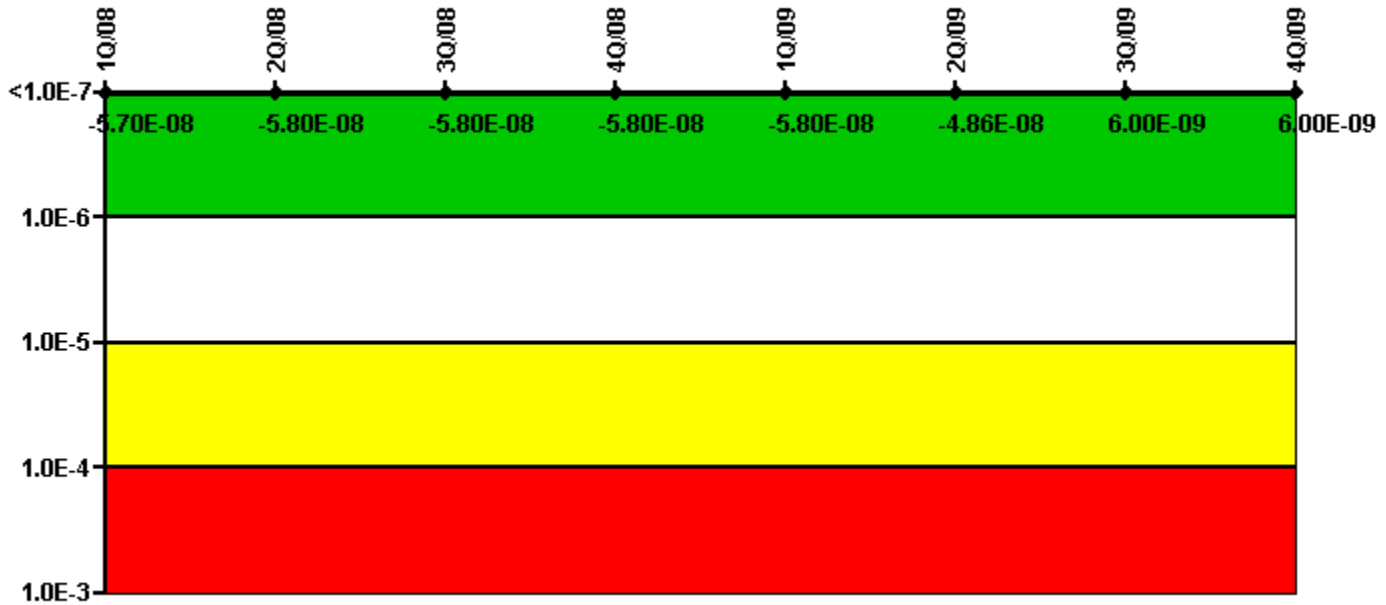
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	-8.80E-08	-8.80E-08	-6.40E-08	-6.10E-08	-5.80E-08	-5.90E-08	-1.40E-08	-1.10E-08
URI (Δ CDF)	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-4.80E-08	-4.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.18E-07	-2.18E-07	-1.94E-07	-1.91E-07	-1.88E-07	-1.89E-07	-6.20E-08	-5.80E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



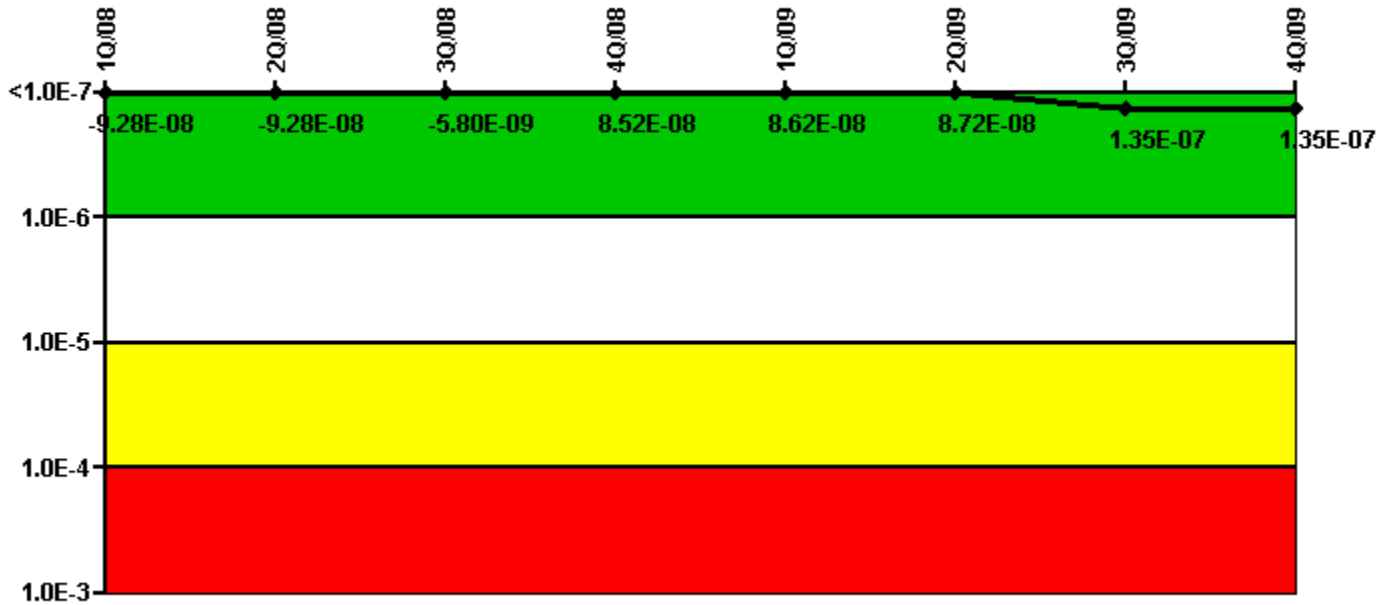
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08	-5.60E-10	3.50E-08	3.50E-08
URI (Δ CDF)	-4.60E-08	-4.70E-08	-4.70E-08	-4.70E-08	-4.70E-08	-4.80E-08	-2.90E-08	-2.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.70E-08	-5.80E-08	-5.80E-08	-5.80E-08	-5.80E-08	-4.86E-08	6.00E-09	6.00E-09

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



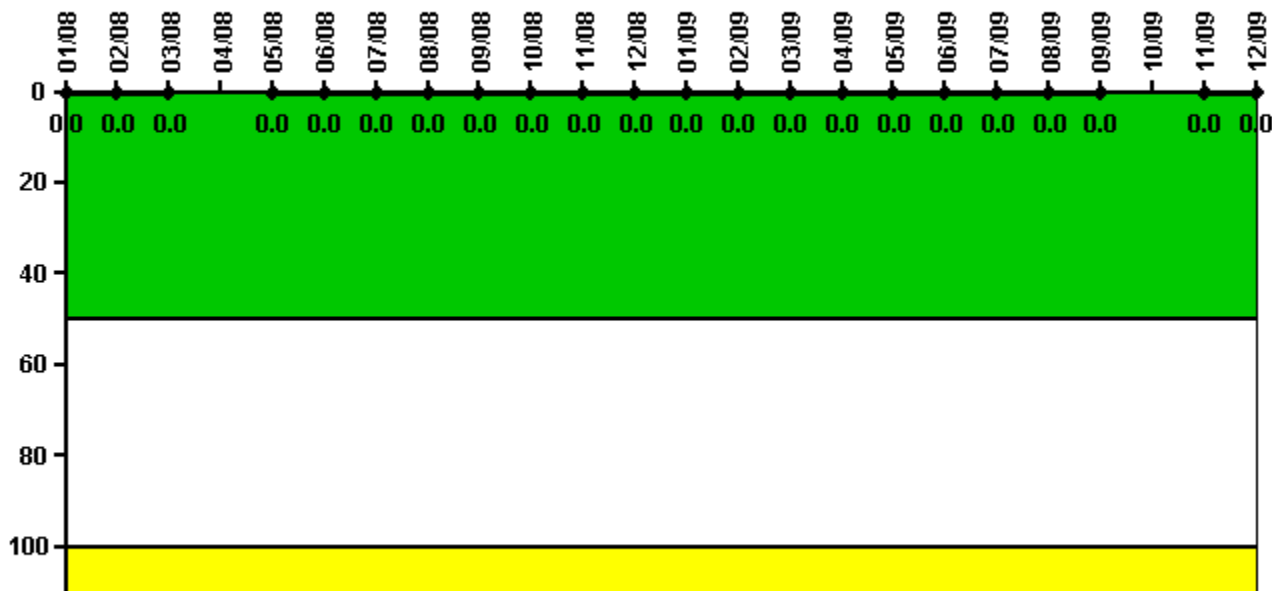
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	7.20E-09	7.20E-09	7.20E-09	7.20E-09	7.20E-09	7.20E-09	5.00E-09	5.00E-09
URI (Δ CDF)	-1.00E-07	-1.00E-07	-1.30E-08	7.80E-08	7.90E-08	8.00E-08	1.30E-07	1.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.28E-08	-9.28E-08	-5.80E-09	8.52E-08	8.62E-08	8.72E-08	1.35E-07	1.35E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

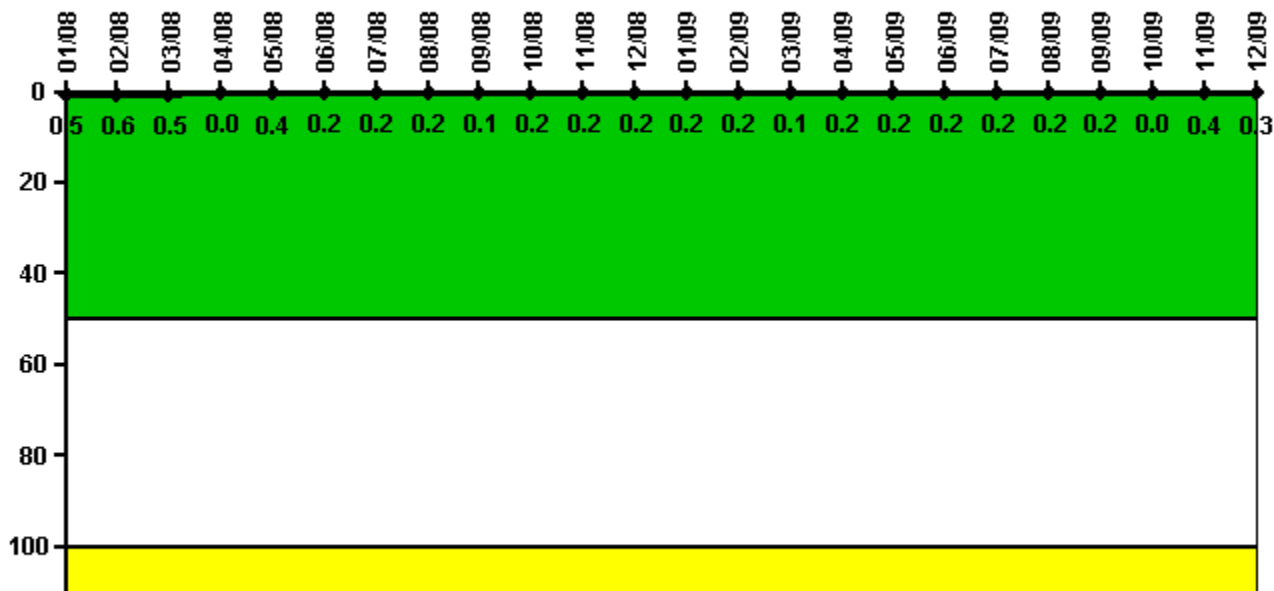
Notes

Reactor Coolant System Activity	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum activity	0.000120	0.000102	0.000148	N/A	0.000055	0.000057	0.000056	0.000066	0.000061	0.000068	0.000071	0.000078
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	N/A	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum activity	0.000080	0.000075	0.000083	0.000090	0.000086	0.000097	0.000102	0.000101	0.000125	N/A	0.000023	0.000054
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	N/A	0	0

Licensee Comments:

12/09: RCSA was not required to be calculated in October 2009 as the unit was in a refueling outage.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

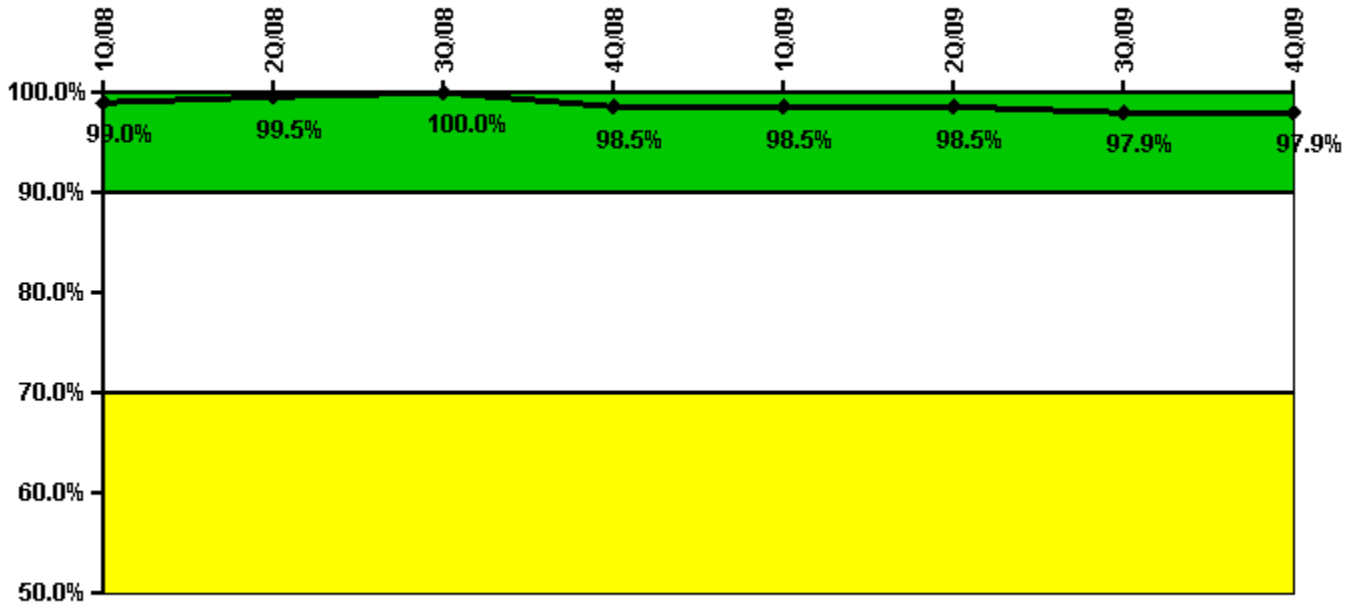
Notes

Reactor Coolant System Leakage	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum leakage	0.045	0.057	0.053	0	0.039	0.018	0.017	0.015	0.013	0.015	0.017	0.016
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	0.5	0.6	0.5	0	0.4	0.2	0.2	0.2	0.1	0.2	0.2	0.2
Reactor Coolant System Leakage	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum leakage	0.016	0.019	0.014	0.019	0.017	0.016	0.017	0.016	0.015	0	0.035	0.029
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	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0	0.4	0.3

Licensee Comments:

12/09: RCSL is 0 for October 2009 as the unit was in a refueling outage.

Drill/Exercise Performance



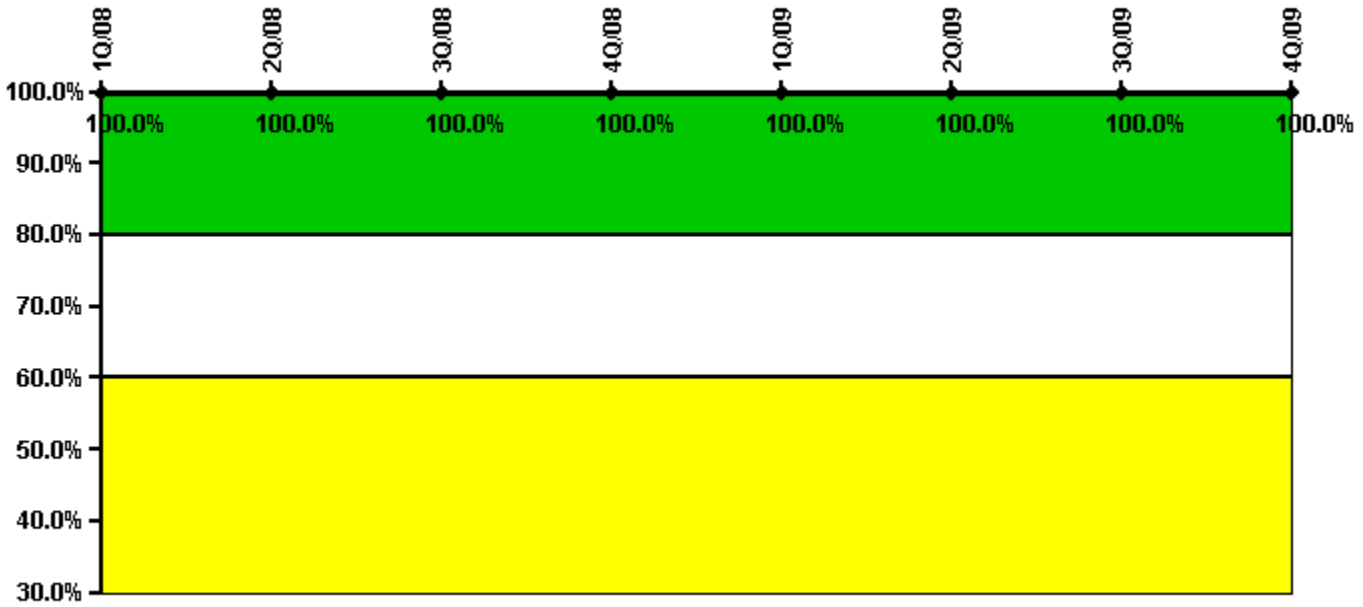
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful opportunities	19.0	16.0	16.0	46.0	18.0	19.0	24.0	26.0
Total opportunities	19.0	16.0	16.0	49.0	18.0	19.0	25.0	26.0
Indicator value	99.0%	99.5%	100.0%	98.5%	98.5%	98.5%	97.9%	97.9%

Licensee Comments: none

ERO Drill Participation



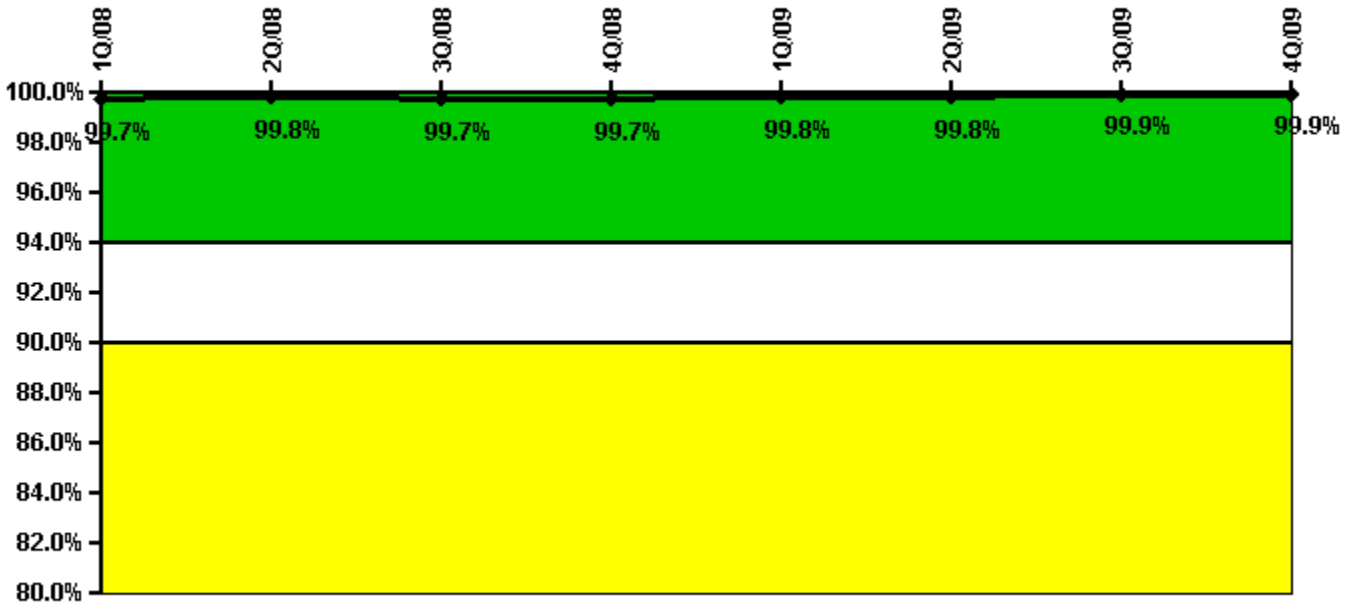
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Participating Key personnel	82.0	81.0	81.0	83.0	84.0	84.0	87.0	82.0
Total Key personnel	82.0	81.0	81.0	83.0	84.0	84.0	87.0	82.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



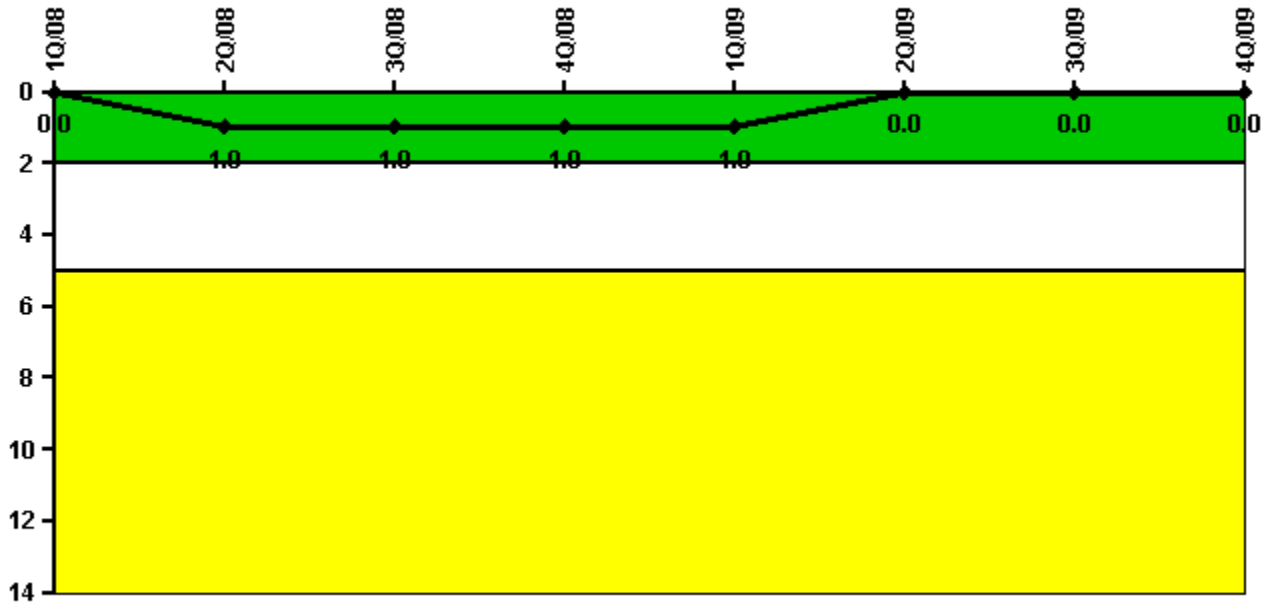
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful siren-tests	845	725	843	725	846	726	846	725
Total sirens-tests	847	726	847	726	847	726	847	726
Indicator value	99.7%	99.8%	99.7%	99.7%	99.8%	99.8%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

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