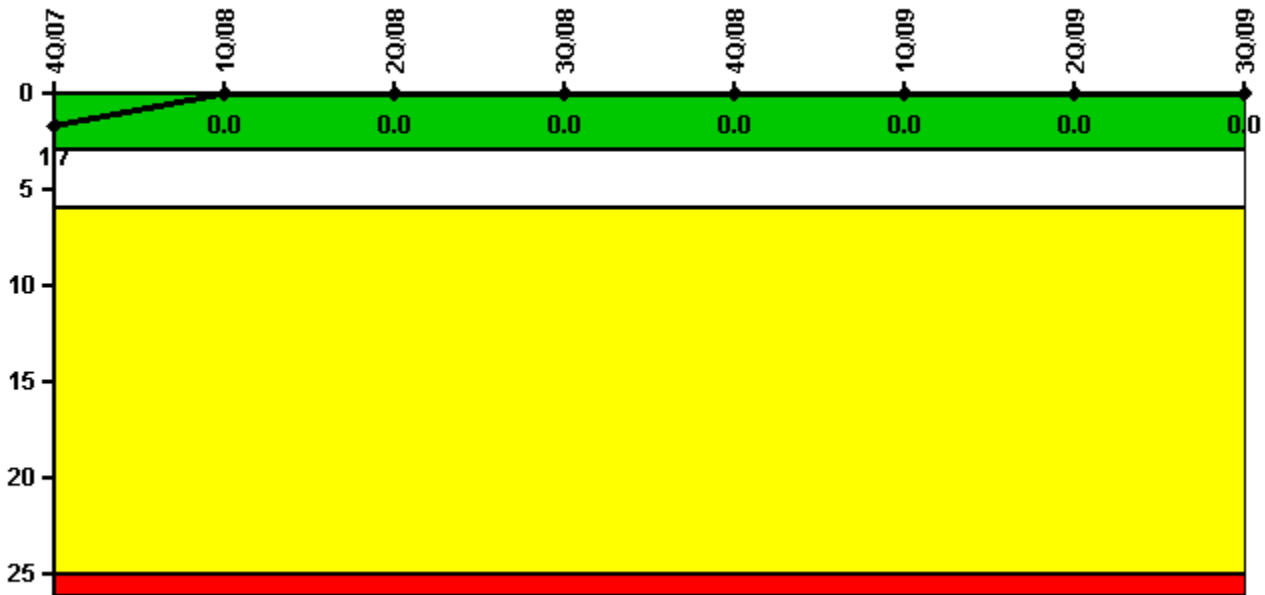


Kewaunee

3Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



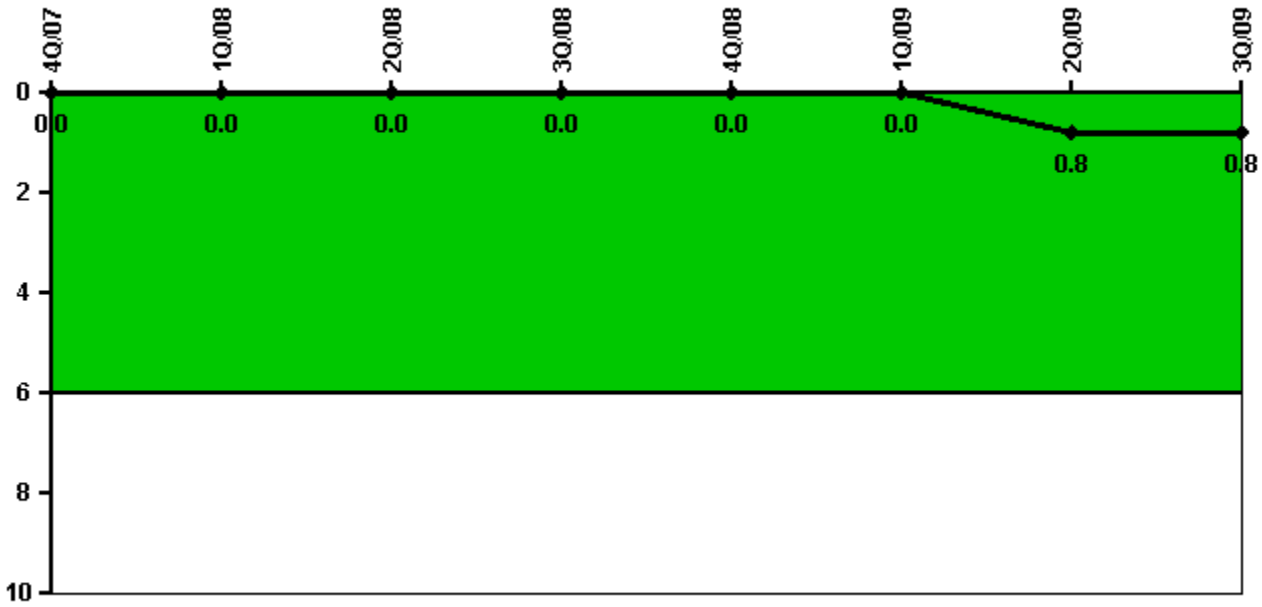
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2025.3	2111.9	1278.5	2208.0	2209.0	2159.0	2106.7	2089.7
Indicator value	1.7	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	1.0	0
Critical hours	2025.3	2111.9	1278.5	2208.0	2209.0	2159.0	2106.7	2089.7
Indicator value	0	0	0	0	0	0	0.8	0.8

Licensee Comments: none

Unplanned Scrams with Complications



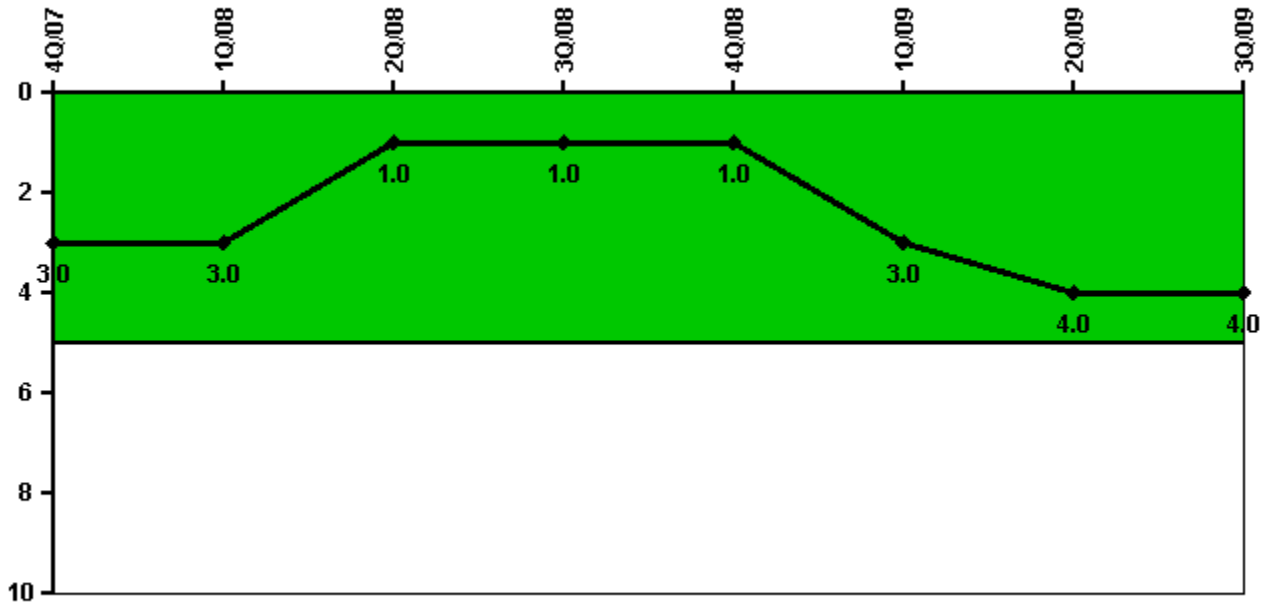
Thresholds: White > 1.0

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

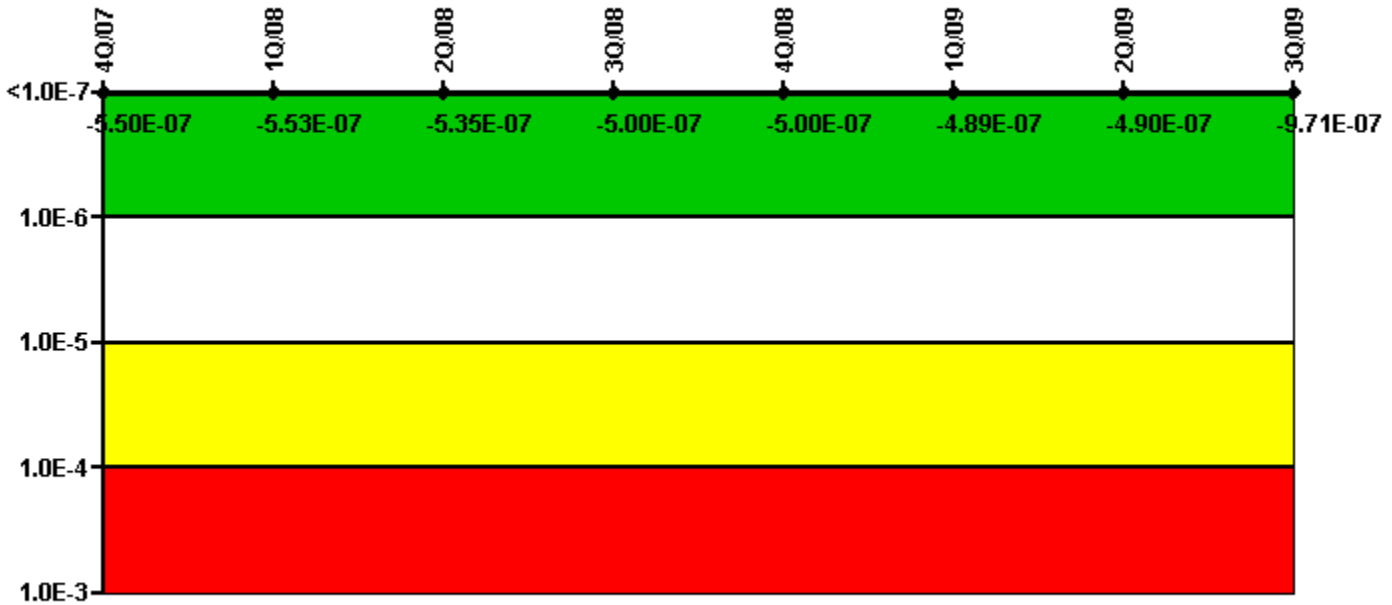
Safety System Functional Failures (PWR)	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Safety System Functional Failures	1	0	0	0	1	2	1	0
Indicator value	3	3	1	1	1	3	4	4

Licensee Comments:

3Q/09: Analysis and testing were performed to determine that the design issue with a steam exclusion door reported in LER 2009-005 would not have prevented the door from performing its safety function. LER 2009-005 was withdrawn on 9/22/09. Therefore, the associate SSFF was also removed for second quarter 2009.

2Q/09: LER 2009-004 - Failed Backdraft Damper Renders Containment Fan Coil Unit Inoperable. LER 2009-005 - Nonfunctional Steam Exclusion Door Results in Postulated Inoperability of Safety Systems (Door 140) Analysis and testing were performed to determine that the design issue with a steam exclusion door reported in LER 2009-005 would not have prevented the door from performing its safety function. LER 2009-005 was withdrawn on 9/22/09. Therefore, the associate SSFF was also removed for second quarter 2009.

Mitigating Systems Performance Index, Emergency AC Power System



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

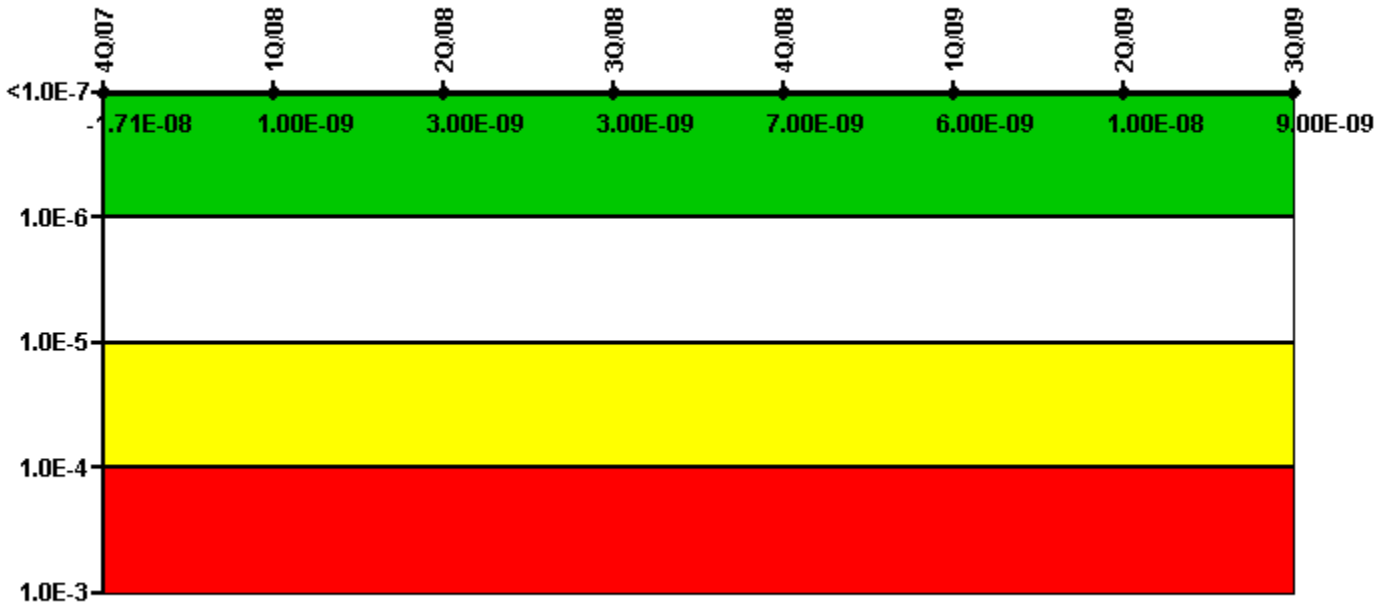
Notes

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)	8.00E-08	8.70E-08	7.50E-08	1.10E-07	1.00E-07	9.10E-08	5.00E-08	2.90E-08
URI (Δ CDF)	-6.30E-07	-6.40E-07	-6.10E-07	-6.10E-07	-6.00E-07	-5.80E-07	-5.40E-07	-1.00E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.50E-07	-5.53E-07	-5.35E-07	-5.00E-07	-5.00E-07	-4.89E-07	-4.90E-07	-9.71E-07

Licensee Comments:

3Q/09: Unavailability for investigation of abnormal lubrication oil indication on a diesel generator was incorrectly categorized as unplanned unavailability. The condition did not render the diesel incapable of performing its monitored function, therefore the unavailability should be correctly reported as planned unavailability per NEI 99-02 section F.1.2.1. 0.37 hours of unplanned unavailability for EAC were revised to planned unavailability for June 2009

Mitigating Systems Performance Index, High Pressure Injection System



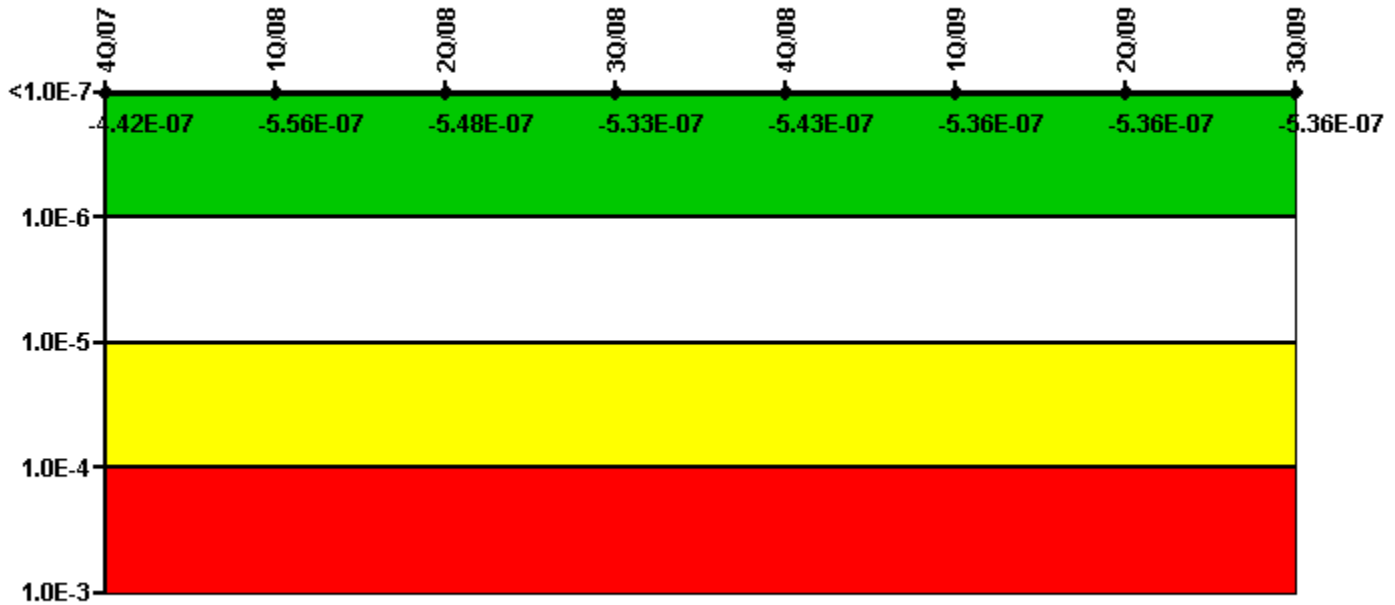
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	2.90E-09	2.30E-08	2.60E-08	2.70E-08	3.00E-08	3.00E-08	3.30E-08	3.10E-08
URI (Δ CDF)	-2.00E-08	-2.20E-08	-2.30E-08	-2.40E-08	-2.30E-08	-2.40E-08	-2.30E-08	-2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.71E-08	1.00E-09	3.00E-09	3.00E-09	7.00E-09	6.00E-09	1.00E-08	9.00E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



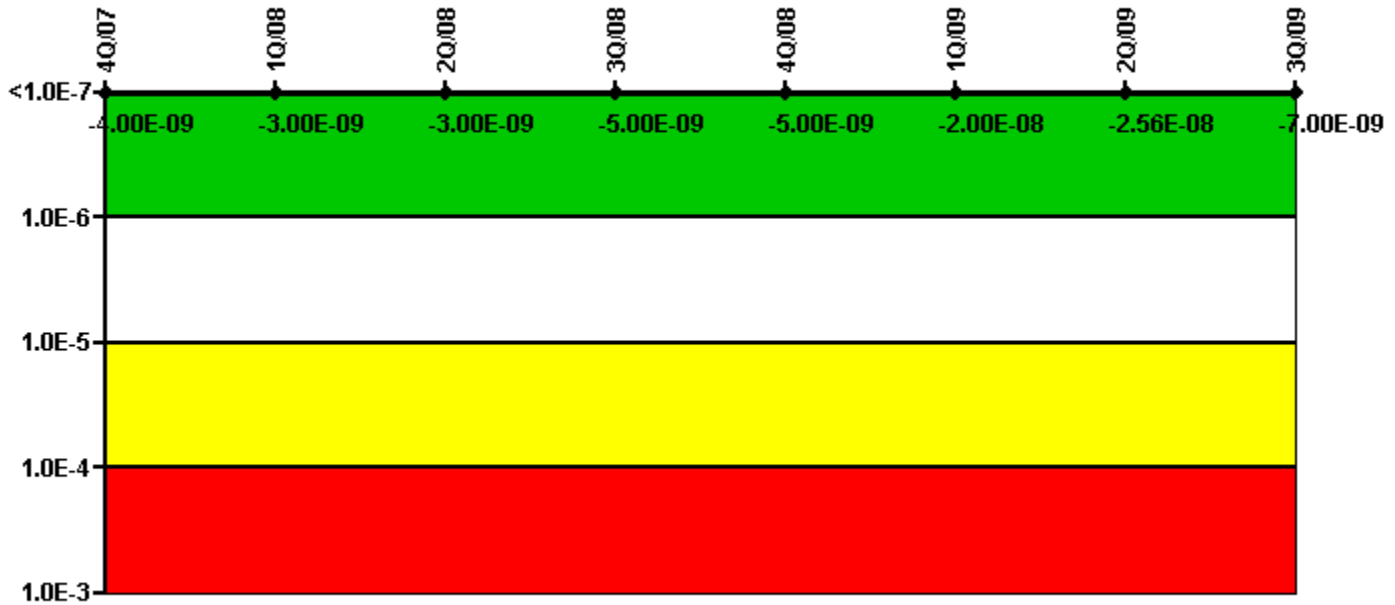
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (Δ CDF)	1.80E-08	-7.60E-08	-7.80E-08	-5.30E-08	-7.30E-08	-7.60E-08	-7.60E-08	-7.60E-08
URI (Δ CDF)	-4.60E-07	-4.80E-07	-4.70E-07	-4.80E-07	-4.70E-07	-4.60E-07	-4.60E-07	-4.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.42E-07	-5.56E-07	-5.48E-07	-5.33E-07	-5.43E-07	-5.36E-07	-5.36E-07	-5.36E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



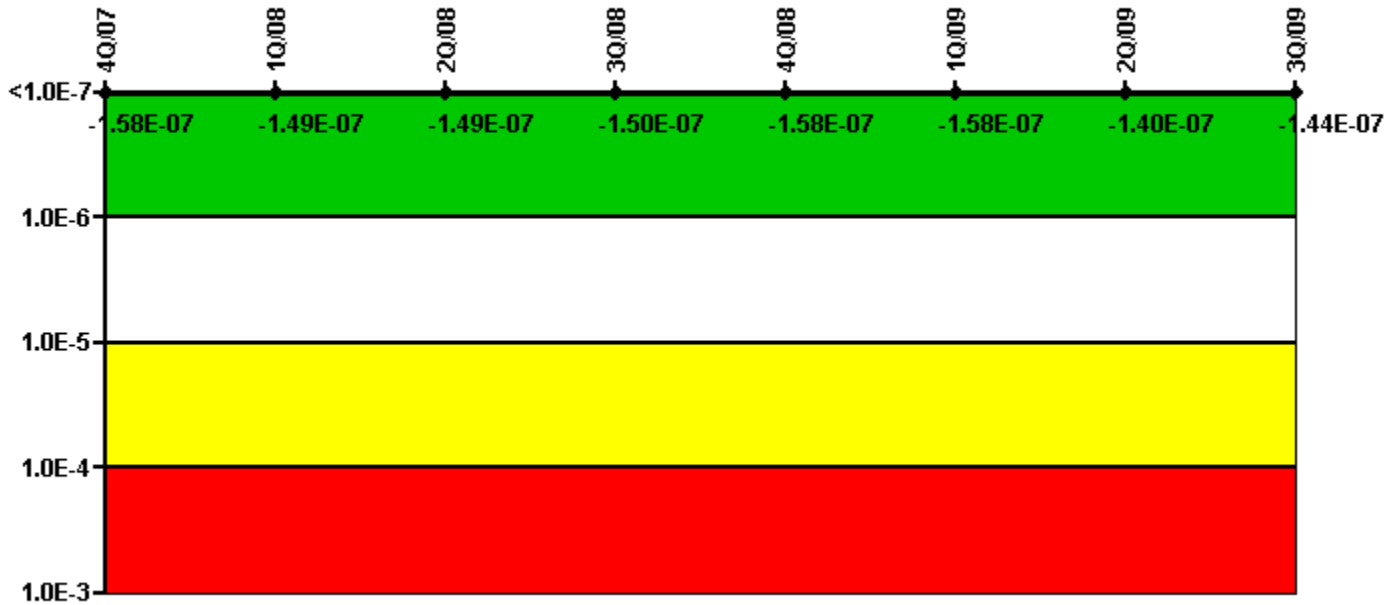
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	3.10E-08	3.10E-08	2.70E-08	2.50E-08	2.60E-08	1.20E-08	4.40E-09	2.30E-08
URI (Δ CDF)	-3.50E-08	-3.40E-08	-3.00E-08	-3.00E-08	-3.10E-08	-3.20E-08	-3.00E-08	-3.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.00E-09	-3.00E-09	-3.00E-09	-5.00E-09	-5.00E-09	-2.00E-08	-2.56E-08	-7.00E-09

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



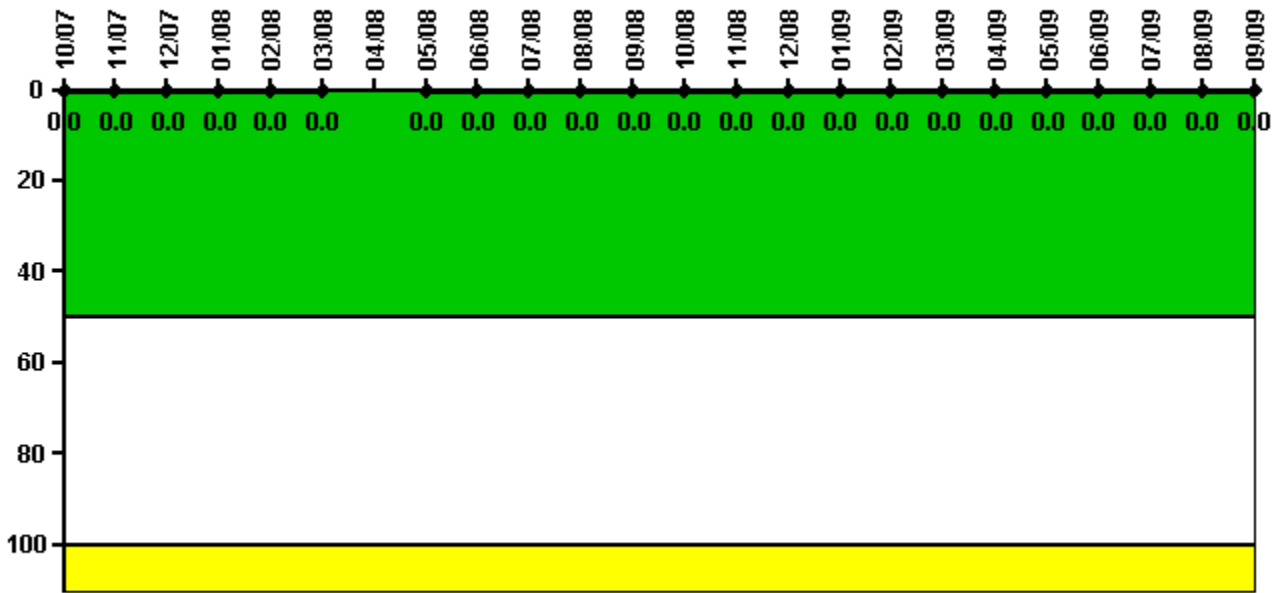
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	-1.10E-07	-1.00E-07	-9.90E-08	-1.00E-07	-1.10E-07	-1.10E-07	-8.90E-08	-9.30E-08
URI (Δ CDF)	-4.80E-08	-4.90E-08	-5.00E-08	-5.00E-08	-4.80E-08	-4.80E-08	-5.10E-08	-5.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.58E-07	-1.49E-07	-1.49E-07	-1.50E-07	-1.58E-07	-1.58E-07	-1.40E-07	-1.44E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

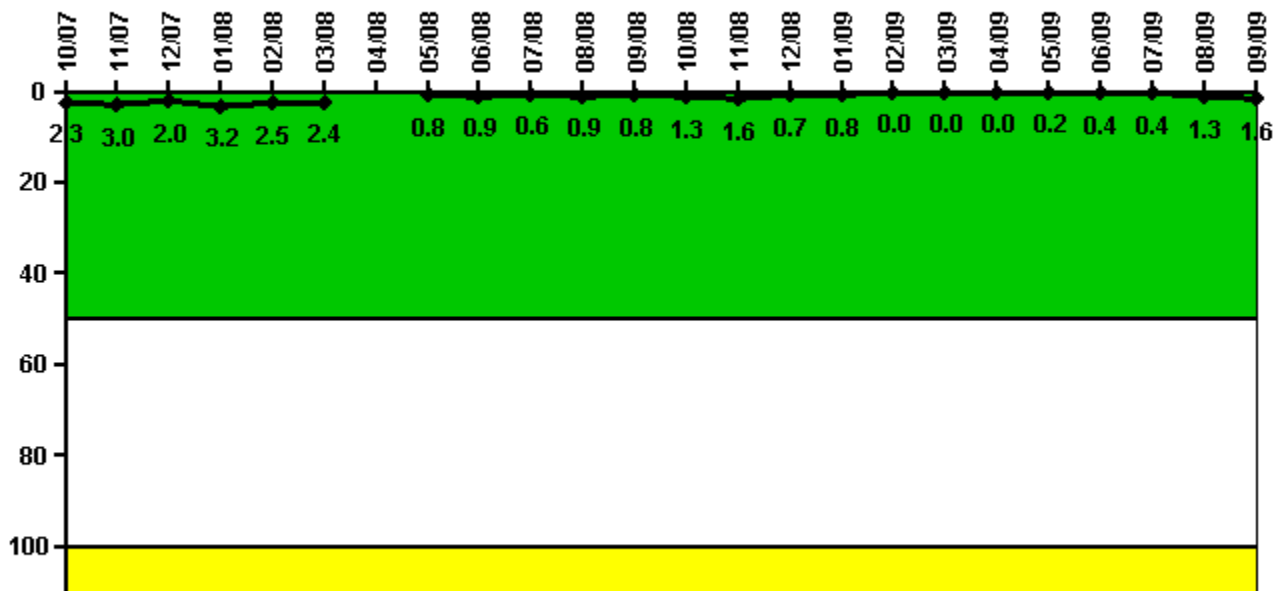
Notes

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	0.000105	0.000111	0.000112	0.000114	0.000121	0.000122	N/A	0.000021	0.000093	0.000099	0.000115	0.000118
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	N/A	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	0.000123	0.000135	0.000132	0.000134	0.000137	0.000167	0.000157	0.000136	0.000156	0.000162	0.000156	0.000164
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	0.231	0.295	0.198	0.316	0.250	0.239	N/A	0.076	0.085	0.059	0.088	0.084
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	2.3	3.0	2.0	3.2	2.5	2.4	N/A	0.8	0.9	0.6	0.9	0.8

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	0.132	0.158	0.069	0.075	0.003	0.003	0.004	0.024	0.035	0.035	0.133	0.159
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	1.3	1.6	0.7	0.8	0	0	0	0.2	0.4	0.4	1.3	1.6

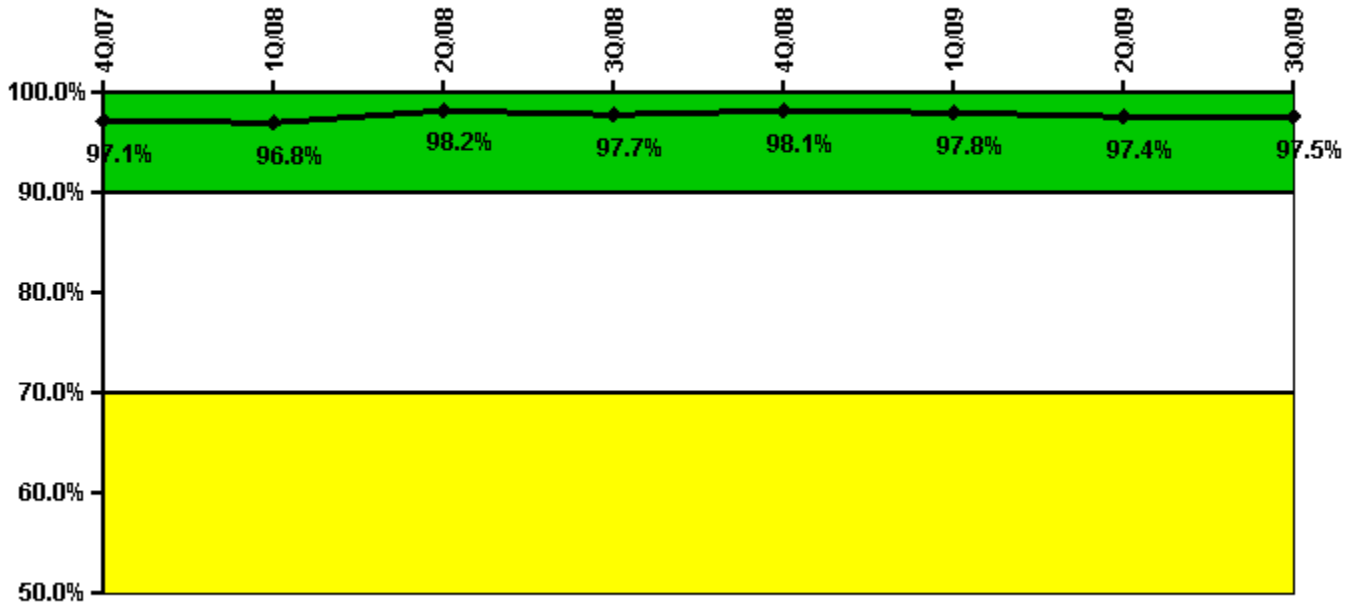
Licensee Comments:

9/09: An error was identified in the reporting of identified RCS leakage. The previously reported leakage included unidentified leakage. The data from January 2009 through July 2009 was revised to include only identified leakage. (CR349015)

6/09: An error was identified in the reporting of identified RCS leakage. The previously reported leakage included unidentified leakage. The data from January 2009 through July 2009 was revised to include only identified leakage. (CR349015)

3/09: An error was identified in the reporting of identified RCS leakage. The previously reported leakage included unidentified leakage. The data from January 2009 through July 2009 was revised to include only identified leakage. (CR349015)

Drill/Exercise Performance



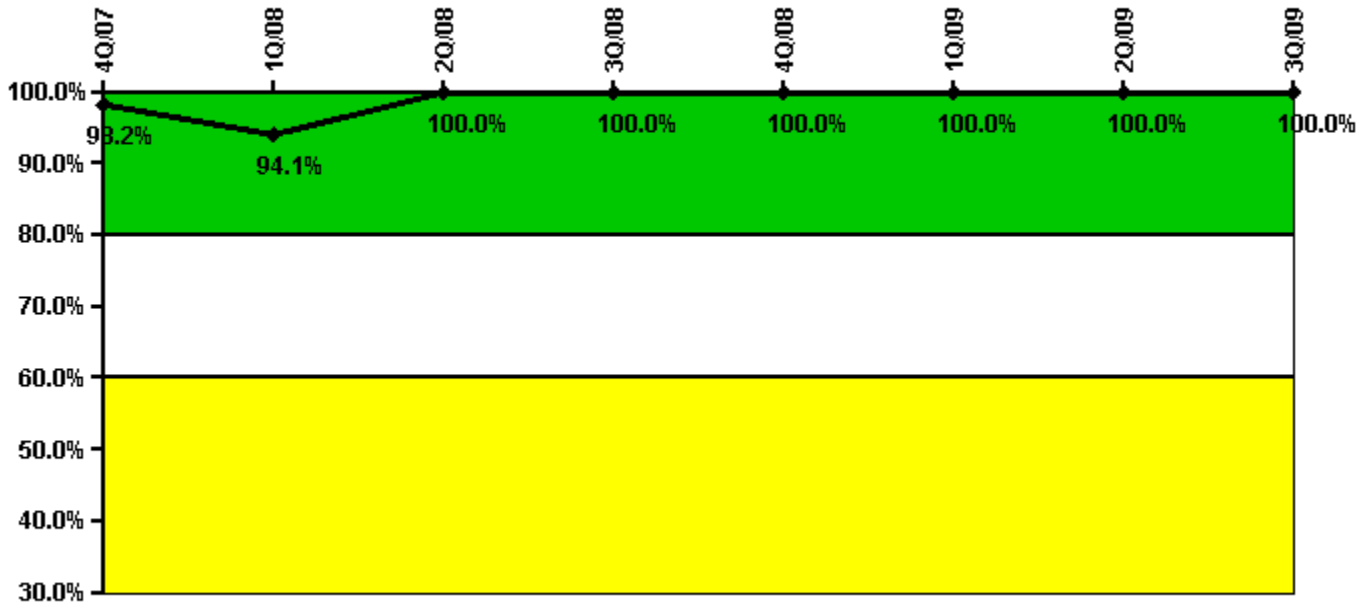
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful opportunities	15.0	32.0	44.0	16.0	55.0	58.0	32.0	20.0
Total opportunities	16.0	33.0	44.0	18.0	55.0	59.0	34.0	20.0
Indicator value	97.1%	96.8%	98.2%	97.7%	98.1%	97.8%	97.4%	97.5%

Licensee Comments: none

ERO Drill Participation



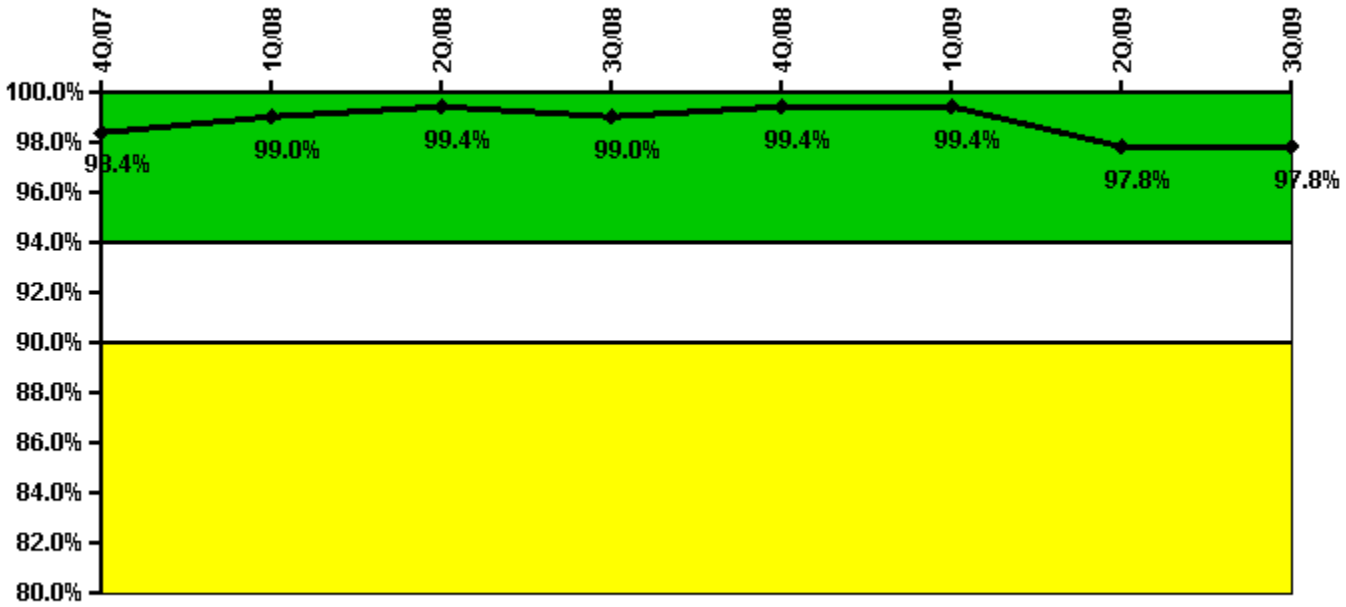
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Participating Key personnel	54.0	48.0	52.0	52.0	57.0	59.0	59.0	65.0
Total Key personnel	55.0	51.0	52.0	52.0	57.0	59.0	59.0	65.0
Indicator value	98.2%	94.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



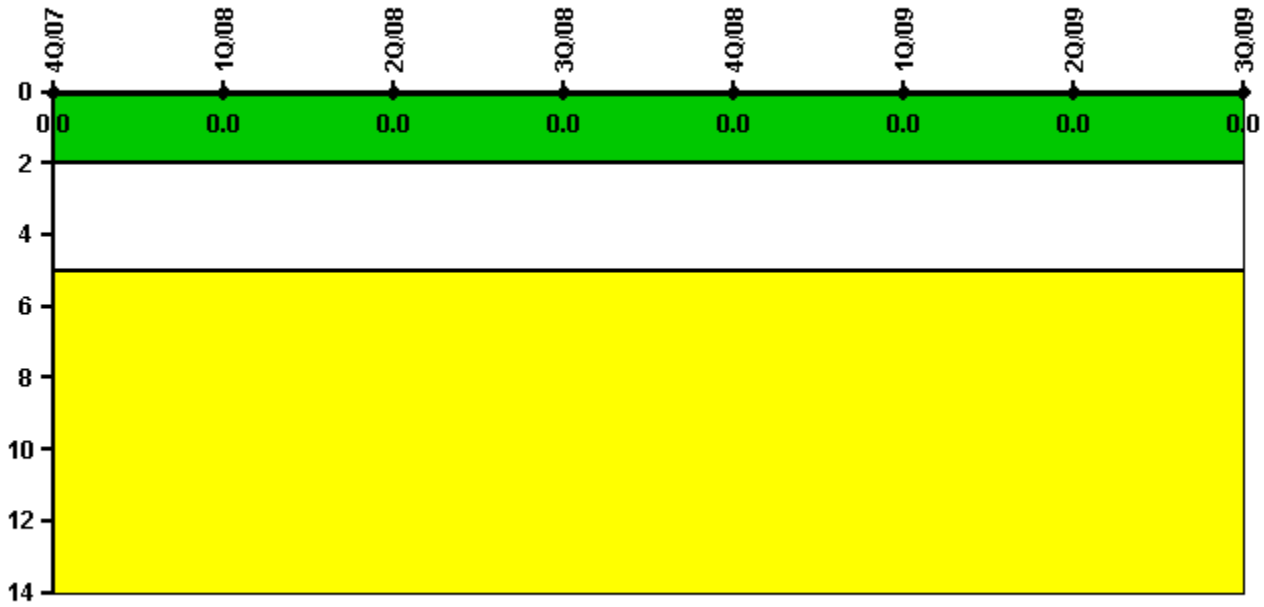
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful siren-tests	77	78	77	77	78	78	72	77
Total sirens-tests	78	78	78	78	78	78	78	78
Indicator value	98.4%	99.0%	99.4%	99.0%	99.4%	99.4%	97.8%	97.8%

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.